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2011 Motor Catalog

LOW & MEDIUM VOLTAGE



Power - AC Circuits

$$\text{Efficiency} = \frac{746 \times \text{Output Horsepower}}{\text{Input Watts}}$$

$$\text{Three-Phase KW} = \frac{\text{Volts} \times \text{Amperes} \times \text{Power Factor} \times 1.732}{1000}$$

$$\text{Three-Phase Volt Amperes} = \text{Volt Amperes} \times 1.732$$

$$\text{Three-Phase Power Factor} = \frac{\text{Input Watts}}{\text{Volts} \times \text{Amperes} \times 1.732}$$

$$\text{Three-Phase Efficiency} = \frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Amperes} \times \text{Power Factor} \times 1.732}$$

$$\text{Three-Phase Amperes} = \frac{746 \times \text{Horsepower}}{1.732 \times \text{Volts} \times \text{Efficiency} \times \text{Power Factor}}$$

$$\text{Single-Phase KW} = \frac{\text{Volts} \times \text{Amperes} \times \text{Power Factor}}{1000}$$

$$\text{Single-Phase Amperes} = \frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Efficiency} \times \text{Power Factor}}$$

$$\text{Single-Phase Efficiency} = \frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Amperes} \times \text{Power Factor}}$$

$$\text{Single-Phase Power Factor} = \frac{\text{Input Watts}}{\text{Volts} \times \text{Amperes}}$$

$$\text{Horsepower (Three-Phase)} = \frac{\text{Volts} \times \text{Amperes} \times 1.732 \times \text{Efficiency} \times \text{Power Factor}}{746}$$

$$\text{Horsepower (Single-Phase)} = \frac{\text{Volts} \times \text{Amperes} \times \text{Efficiency} \times \text{Power Factor}}{746}$$

For Pumps

$$\text{Horsepower} = \frac{\text{GPM} \times \text{Head (ft.)} \times \text{Specific Gravity}}{3960 \times \text{Efficiency of Pump}}$$

For Fans and Blowers

$$\text{Horsepower} = \frac{\text{CFM} \times \text{Pressure (lbs./sq.ft.)}}{33,000 \times \text{Efficiency}}$$

Motor Application Equations

$$\text{Torque (lb. ft.)} = \frac{\text{Horsepower} \times 5250}{\text{RPM}}$$

$$\text{Horsepower} = \frac{\text{Torque (lb.ft.)} \times \text{RPM}}{5250}$$

$$\text{KW} = \text{HP} \times 0.746$$

Time for Motor to Reach Operating Speed (Seconds)

$$\text{Seconds} = \frac{\text{WK}^2 \times \text{Speed Change}}{308 \times \text{Average Accelerating Torque}}$$

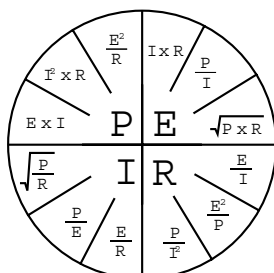
$$\text{WK}^2 = \text{Inertia of Rotor} + \text{Inertia of Load (lb.ft.}^2\text{)}$$

$$\text{Average Accelerating Torque} = \frac{[(\text{FLT} + \text{BDT})/2] + \text{BDT} + \text{LRT}}{3}$$

$$\text{Load WK}^2 \text{ (@ Motor Shaft)} = \frac{\text{WK}^2 \text{ (Load)} \times (\text{Load RPM})^2}{(\text{Motor RPM})^2}$$

$$\text{Shaft Stress (lbs. per in.}^2\text{)} = \frac{\text{HP} \times 321,000}{\text{RPM} \times (\text{Shaft Diameter})^3}$$

Ohm's Law



Notes

1	Motors are Not NAFTA Qualified
2	Motors Provided with Drive-End Roller Bearing as Standard
3	Motors are 1.0 Service Factor
4	Motors are Unidirectional CCW Rotation when Facing Non-Drive End of Motor
5	Motors are Unidirectional CW Rotation when Facing Non-Drive End of Motor
6	Motors are NEMA Design A
7	Totally Enclosed Non-Ventilated (TENV)
8	Ball Bearing Long Shaft as Standard
9	Motors Nameplated Dual Frequency 50/60 Hz
10	Motors will be Obsoleted Once Inventory is Depleted
11	"Dura-Bull TX™" Design
12	Copper Bar Rotor
13	Tophat WPI Design
14	Class F Rise by Resistance at 1.0SF
15	Tophat TEAAC Design
16	Motor has Non-NEMA "BA" Dimension

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Our Company

Toshiba International Corporation (TIC) is a Toshiba America Inc. (TAI) Group Company, a wholly owned subsidiary of Toshiba Corporation. TIC's Industrial Division is headquartered in Houston, Texas and employs approximately 1,000 people. With an extensive product offering ranging from electric motors and adjustable speed drives to LED lighting and super-charge ion batteries, TIC provides application solutions to a wide range of industries. Many of these products are designed, built, and tested in our over 1,000,000 square foot state-of-the-art manufacturing facility in Houston, Texas.

TIC is committed to providing the utmost in quality products and services and strives to uphold Toshiba's worldwide commitment to innovative technology, superior quality, and unmatched reliability. For more information please visit our website at www.toshiba.com/ind.



Our Motors

TIC produces a wide range of general and definite purpose low voltage motors for countless industries and applications. Our low voltage motors products range from 1/2 to 800 HP and 230 to 575 V and our medium voltage motor products range from 100 to 50,000 HP and 2300 to 13,800 V.

Our motor products are robustly built to deliver superior performance in virtually any application. We set a new standard for extreme duty, allowing our products to out-tough even the toughest industries. Even if your motor project requires a customized motor product or integrated system, TIC can deliver a solution to not only meet but exceed your expectations.

This catalog contains all our standard motor offerings. For information on custom projects, please contact the factory directly at (800) 231-1412.



Our Motor Manufacturing

TIC began manufacturing motors in Houston, Texas in 1980 and since then has developed a proud tradition of producing some of the most reliable, robust motors in the market. Today we produce the widest range available of three-phase, industrial grade, low and medium voltage electric motors in our 348,000 sq. ft. motor plant. In addition, our research and development, design, engineering, production and manufacturing, and after-market service and support are all commandeered under one single roof.

Our motors are built using only the highest quality domestic and foreign parts allowing us to in turn deliver the highest quality motors that exceed Toshiba's stringent testing standards as well as domestic and international performance standards.



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All content in this catalog subject to change without notice.



General Purpose CT Series

Open Drip Proof Motors



Toshiba's general purpose CT, open drip proof motors are designed with the cost-conscious consumer in mind and is recommended for use in indoor applications. This product line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price. Our CT open drip proof motors are available in EPACK Efficiency, EPACK Efficiency Rolled Steel, and Premium Efficiency options.

Standard Features:

- Open Drip Proof
- EPACK & Premium Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron or Rolled Steel Frame
- Cast Iron Brackets
- Ball Bearings on all 143T through 326T
- Roller Bearings on all 364T through 449T, 4 & 6-Pole
- Shaft Slinger on the Drive End
- Lithium Base Grease
- 304 Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

Product is available until inventory is depleted.

2 Year
Warranty



Open Drip Proof EPACT Efficiency

The general purpose CT, open drip proof, EPACT Efficiency motor series is Toshiba's most basic general purpose motor product offering. It encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, at a very competitive price. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

- Horsepower: 1 to 200 HP
- Speed: 3600, 1800, or 1200 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Open Drip Proof
- Frame Size: 143T through 447T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.12 Inches/Second or Less
- Insulation: Class F, Meeting NEMA MG1 Part 30 (Inverter Duty)



Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	46	0014DPSA21A-P	2.8/1.4	82.5	1, 10	MCTDPE	\$346
1	1800	575	143T	46	0014DPSC21A-P	1.1	82.5	1, 10	MCTDPE	\$346
1	1200	230/460	145T	55	0016DPSA21A-P	3.8/1.9	80.0	1, 10	MCTDPE	\$455
1	1200	575	145T	55	0016DPSC21A-P	1.5	80.0	1, 10	MCTDPE	\$455
1.5	3600	230/460	143T	51	Y152DPSA21A-P	4.2/2.1	82.5	1, 10	MCTDPE	\$382
1.5	3600	575	143T	51	Y152DPSC21A-P	1.7	82.5	1, 10	MCTDPE	\$382
1.5	1800	230/460	145T	51	Y154DPSA21A-P	4.2/2.1	84.0	1, 10	MCTDPE	\$382
1.5	1800	575	145T	51	Y154DPSC21A-P	1.7	84.0	1, 10	MCTDPE	\$382
1.5	1200	230/460	182T	84	Y156DPSA21A-P	5.2/2.6	84.0	1, 10	MCTDPE	\$500
1.5	1200	575	182T	84	Y156DPSC21A-P	2.1	84.0	1, 10	MCTDPE	\$500
2	3600	230/460	145T	51	0022DPSA21A-P	5.2/2.7	84.0	1, 10	MCTDPE	\$446
2	3600	575	145T	51	0022DPSC21A-P	2.2	84.0	1, 10	MCTDPE	\$446
2	1800	230/460	145T	53	0024DPSA21A-P	5.6/2.8	84.0	1, 10	MCTDPE	\$418
2	1800	575	145T	53	0024DPSC21A-P	2.3	84.0	1, 10	MCTDPE	\$418
2	1200	230/460	184T	95	0026DPSA21A-P	7/3.5	85.5	1, 10	MCTDPE	\$519
2	1200	575	184T	95	0026DPSC21A-P	2.8	85.5	1, 10	MCTDPE	\$519
3	3600	230/460	145T	55	0032DPSA21A-P	8.0/4	84.0	1, 10	MCTDPE	\$500
3	3600	575	145T	55	0032DPSC21A-P	3.2	84.0	1, 10	MCTDPE	\$500
3	1800	230/460	182T	84	0034DPSA21A-P	8.2/4.1	86.5	1, 10	MCTDPE	\$455
3	1800	575	182T	84	0034DPSC21A-P	3.3	86.5	1, 10	MCTDPE	\$455
3	1200	230/460	213T	155	0036DPSA21A-P	9/4.5	86.5	1, 10	MCTDPE	\$720
3	1200	575	213T	155	0036DPSC21A-P	3.6	86.5	1, 10	MCTDPE	\$720
5	3600	230/460	182T	77	0052DPSA21A-P	12.6/6.3	85.5	1, 10	MCTDPE	\$593
5	3600	575	182T	77	0052DPSC21A-P	5.1	85.5	1, 10	MCTDPE	\$593
5	1800	230/460	184T	99	0054DPSA21A-P	13.4/6.7	87.5	1, 10	MCTDPE	\$538
5	1800	575	184T	99	0054DPSC21A-P	5.4	87.5	1, 10	MCTDPE	\$538
5	1200	230/460	215T	184	0056DPSA21A-P	14.2/7.1	87.5	1, 10	MCTDPE	\$984
5	1200	575	215T	184	0056DPSC21A-P	5.7	87.5	1, 10	MCTDPE	\$984

Open Drip Proof EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	101	Y752DPSA21A-P	18/9	87.5	1, 10	MCTDPE	\$737
7.5	3600	575	184T	101	Y752DPSC21A-P	7.2	87.5	1, 10	MCTDPE	\$737
7.5	1800	230/460	213T	150	Y754DPSA21A-P	19/9.5	88.5	1, 10	MCTDPE	\$765
7.5	1800	575	213T	150	Y754DPSC21A-P	7.6	88.5	1, 10	MCTDPE	\$765
7.5	1200	230/460	254T	251	Y756DPSA21A-P	21/10.5	88.5	1, 10	MCTDPE	\$1,230
7.5	1200	575	254T	251	Y756DPSC21A-P	8.4	88.5	1, 10	MCTDPE	\$1,230
10	3600	230/460	213T	165	0102DPSA21A-P	25/12.5	88.5	1, 10	MCTDPE	\$937
10	3600	575	213T	165	0102DPSC21A-P	10	88.5	1, 10	MCTDPE	\$937
10	1800	230/460	215T	174	0104DPSA21A-P	26/13	89.5	1, 10	MCTDPE	\$920
10	1800	575	215T	174	0104DPSC21A-P	10.4	89.5	1, 10	MCTDPE	\$920
10	1200	230/460	256T	295	0106DPSA21A-P	27/13.5	90.2	1, 10	MCTDPE	\$1,430
10	1200	575	256T	295	0106DPSC21A-P	10.8	90.2	1, 10	MCTDPE	\$1,430
15	3600	230/460	215T	198	0152DPSA21A-P	37/18.5	89.5	1, 10	MCTDPE	\$1,284
15	3600	575	215T	198	0152DPSC21A-P	14.8	89.5	1, 10	MCTDPE	\$1,284
15	1800	230/460	254T	276	0154DPSA21A-P	38/19	91.0	1, 10	MCTDPE	\$1,260
15	1800	575	254T	276	0154DPSC21A-P	15.2	91.0	1, 10	MCTDPE	\$1,260
15	1200	230/460	284T	379	0156DPSA21A-P	40.6/20.3	90.2	1, 10	MCTDPE	\$2,012
15	1200	575	284T	379	0156DPSC21A-P	16.3	90.2	1, 10	MCTDPE	\$2,012
20	3600	230/460	254T	276	0202DPSA21A-P	48/24	90.2	1, 10	MCTDPE	\$1,530
20	3600	575	254T	276	0202DPSC21A-P	19.2	90.2	1, 10	MCTDPE	\$1,530
20	1800	230/460	256T	304	0204DPSA21A-P	50/25	91.0	1, 10	MCTDPE	\$1,549
20	1800	575	256T	304	0204DPSC21A-P	20	91.0	1, 10	MCTDPE	\$1,549
20	1200	230/460	286T	406	0206DPSA21A-P	52/26	91.0	1, 10	MCTDPE	\$2,514
20	1200	575	286T	406	0206DPSC21A-P	20.8	91.0	1, 10	MCTDPE	\$2,514
25	3600	230/460	256T	333	0252DPSA21A-P	60/30	91.0	1, 10	MCTDPE	\$1,849
25	3600	575	256T	335	0252DPSC21A-P	24	91.0	1, 10	MCTDPE	\$1,849
25	1800	230/460	284T	366	0254DPSA21A-P	62/31	91.7	1, 10	MCTDPE	\$1,813
25	1800	230/460	284TS	366	0254DPSA21B-P	62/31	91.7	1, 10	MCTDPE	\$1,813
25	1800	575	284T	366	0254DPSC21A-P	24.8	91.7	1, 10	MCTDPE	\$1,813
25	1200	230/460	324T	514	0256DPSA21A-P	62/31	91.7	1, 10	MCTDPE	\$2,904
25	1200	575	324T	514	0256DPSC21A-P	24.8	91.7	1, 10	MCTDPE	\$2,904
30	3600	230/460	284TS	392	0302DPSA21B-P	72/36	91.0	1, 10	MCTDPE	\$2,250
30	3600	575	284TS	392	0302DPSC21B-P	28.8	91.0	1, 10	MCTDPE	\$2,250
30	1800	230/460	286T	423	0304DPSA21A-P	73/36.5	92.4	1, 10	MCTDPE	\$2,113
30	1800	230/460	286TS	423	0304DPSA21B-P	73/36.5	92.4	1, 10	MCTDPE	\$2,113
30	1800	575	286T	423	0304DPSC21A-P	29.2	92.4	1, 10	MCTDPE	\$2,113
30	1200	230/460	326T	597	0306DPSA21A-P	74/37	92.4	1, 10	MCTDPE	\$3,188
30	1200	575	326T	597	0306DPSC21A-P	29.6	92.4	1, 10	MCTDPE	\$3,188
40	3600	230/460	286TS	439	0402DPSA21B-P	96/48	91.7	1, 10	MCTDPE	\$2,841
40	3600	575	286TS	439	0402DPSC21B-P	38.4	91.7	1, 10	MCTDPE	\$2,841
40	1800	230/460	324T	575	0404DPSA21A-P	98/49	93.0	1, 10	MCTDPE	\$2,706
40	1800	230/460	324TS	575	0404DPSA21B-P	98/49	93.0	1, 10	MCTDPE	\$2,706
40	1800	575	324T	575	0404DPSC21A-P	39.2	93.0	1, 10	MCTDPE	\$2,706
40	1200	230/460	364T	772	0406DPSA21A-P	100/50	93.0	1, 10	MCTDPE	\$4,463
40	1200	575	364T	772	0406DPSC21A-P	40	93.0	1, 10	MCTDPE	\$4,463
50	3600	230/460	324TS	602	0502DPSA21B-P	118/59	92.4	1, 10	MCTDPE	\$3,443
50	3600	575	324TS	602	0502DPSC21B-P	47.2	92.4	1, 10	MCTDPE	\$3,443

Open Drip Proof EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1800	230/460	326T	659	0504DPSA21A-P	116/58	93.0	1, 10	MCTDPE	\$3,105
50	1800	230/460	326TS	659	0504DPSA21B-P	116/58	93.0	1, 10	MCTDPE	\$3,105
50	1800	575	326T	659	0504DPSC21A-P	47	93.0	1, 10	MCTDPE	\$3,105
50	1200	230/460	365T	851	0506DPSA21A-P	124/62	93.0	1, 10	MCTDPE	\$5,601
50	1200	575	365T	851	0506DPSC21A-P	49.6	93.0	1, 10	MCTDPE	\$5,601
60	3600	230/460	326TS	690	0602DPSA21B-P	140/70	93.0	1, 10	MCTDPE	\$3,806
60	3600	575	326TS	690	0602DPSC21B-P	56	93.0	1, 10	MCTDPE	\$3,806
60	1800	230/460	364T	772	0604DPSA21A-P	144/72	93.6	1, 10	MCTDPE	\$3,617
60	1800	230/460	364TS	772	0604DPSA21B-P	144/72	93.6	1, 10	MCTDPE	\$3,617
60	1800	575	364T	772	0604DPSC21A-P	57.6	93.6	1, 10	MCTDPE	\$3,617
60	1200	230/460	404T	1032	0606DPSA21A-P	146/73	93.6	1, 10	MCTDPE	\$6,079
60	1200	575	404T	1032	0606DPSC21A-P	58	93.6	1, 10	MCTDPE	\$6,079
75	3600	230/460	364TS	772	0752DPSA21B-P	174/87	93.0	1, 10	MCTDPE	\$5,001
75	3600	575	364TS	772	0752DPSC21B-P	69.6	93.0	1, 10	MCTDPE	\$5,001
75	1800	230/460	365T	851	0754DPSA21A-P	178/89	94.1	1, 10	MCTDPE	\$4,587
75	1800	230/460	365TS	851	0754DPSA21B-P	178/89	94.1	1, 10	MCTDPE	\$4,587
75	1800	575	365T	851	0754DPSC21A-P	71.2	94.1	1, 10	MCTDPE	\$4,587
75	1200	230/460	405T	1139	0756DPSA21A-P	182/91	93.6	1, 10	MCTDPE	\$7,137
75	1200	575	405T	1139	0756DPSC21A-P	73	93.6	1, 10	MCTDPE	\$7,137
100	3600	230/460	365TS	747	1002DPSA21B-P	230/115	93.0	1, 10	MCTDPE	\$6,466
100	3600	575	365TS	747	1002DPSC21B-P	92	93.0	1, 10	MCTDPE	\$6,466
100	1800	230/460	404T	1100	1004DPSA21A-P	234/117	94.1	1, 10	MCTDPE	\$6,008
100	1800	575	404T	1100	1004DPSC21A-P	94	94.1	1, 10	MCTDPE	\$6,008
100	1200	230/460	444T	1406	1006DPSA21A-P	235/117.5	94.1	1, 2, 10	MCTDPE	\$8,772
100	1200	575	444T	1406	1006DPSC21A-P	94	94.1	1, 2, 10	MCTDPE	\$8,772
125	3600	230/460	404TS	1114	1252DPSA21B-P	288/144	93.6	1, 10	MCTDPE	\$8,206
125	3600	575	404TS	1114	1252DPSC21B-P	115	93.6	1, 10	MCTDPE	\$8,206
125	1800	230/460	405T	1209	1254DPSA21A-P	289/144.5	94.5	1, 10	MCTDPE	\$6,756
125	1800	575	405T	1209	1254DPSC21A-P	116	94.5	1, 10	MCTDPE	\$6,756
125	1200	230/460	445T	1507	1256DPSA21A-P	301/150.5	94.1	1, 2, 10	MCTDPE	\$10,267
125	1200	575	445T	1507	1256DPSC21A-P	120	94.1	1, 2, 10	MCTDPE	\$10,267
150	3600	230/460	405TS	1213	1502DPSA21B-P	343/171.5	93.6	1, 10	MCTDPE	\$10,646
150	3600	575	405TS	1213	1502DPSC21B-P	137	93.6	1, 10	MCTDPE	\$10,646
150	1800	230/460	444T	1355	1504DPSA21A-P	345/172.5	95.0	1, 2, 10	MCTDPE	\$9,796
150	1800	575	444T	1355	1504DPSC21A-P	138	95.0	1, 2, 10	MCTDPE	\$9,796
150	1200	460	445T	1617	1506DPSB21A-P	179.5	94.5	1, 2, 10	MCTDPE	\$11,691
150	1200	575	445T	1617	1506DPSC21A-P	144	94.5	1, 2, 10	MCTDPE	\$11,691
200	3600	460	444TS	1520	2002DPSB21B-P	226	94.5	1, 10	MCTDPE	\$13,930
200	3600	575	444TS	1520	2002DPSC21B-P	180	94.5	1, 10	MCTDPE	\$13,930
200	1800	460	445T	1597	2004DPSB21A-P	229	95.0	1, 2, 10	MCTDPE	\$11,677
200	1800	575	445T	1597	2004DPSC21A-P	183	95.0	1, 2, 10	MCTDPE	\$11,677
200	1200	460	447T	2010	2006DPSB21A-P	239	94.5	1, 2, 10	MCTDPE	\$15,888
200	1200	575	447T	2010	2006DPSC21A-P	191	94.5	1, 2, 10	MCTDPE	\$15,888

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Open Drip Proof Rolled Steel EPACT Efficiency



The general purpose CT, open drip proof, EPACT efficiency, Rolled Steel motor series is created as a solution for customers looking for a less costly product and more lightweight design than the typical CT EPACT motor. These motors offer similar features and performance as the CT EPACT, but at a lower price. The Rolled Steel motor series is light in weight, but not light performance, and meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 30 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 286T
Construction:	Rolled Steel
Vibration (Unfiltered):	0.15 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	37	0014DPNA21A-P	3.2/1.6	82.5	1, 10	MCTDPF	\$326
1	1800	575	143T	37	0014DPNC21A-P	1.28	82.5	1, 10	MCTDPF	\$326
1	1200	230/460	145T		0016DPNA21A-P	3.4/1.7	80.0	1, 10	MCTDPF	\$427
1	1200	575	145T		0016DPNC21A-P	1.52	80.0	1, 10	MCTDPF	\$427
1.5	3600	230/460	143T	36	Y152DPNA21A-P	4.2/2.1	82.5	1, 10	MCTDPF	\$360
1.5	3600	575	143T	36	Y152DPNC21A-P	1.68	82.5	1, 10	MCTDPF	\$360
1.5	1800	230/460	145T		Y154DPNA21A-P	5.0/2.5	84.0	1, 10	MCTDPF	\$360
1.5	1800	575	145T		Y154DPNC21A-P	2	84.0	1, 10	MCTDPF	\$360
1.5	1200	230/460	182T		Y156DPNA21A-P	5.2/2.6	84.0	1, 10	MCTDPF	\$470
1.5	1200	575	182T		Y156DPNC21A-P	2.1	84.0	1, 10	MCTDPF	\$470
2	3600	230/460	145T	42	0022DPNA21A-P	5.4/2.7	84.0	1, 10	MCTDPF	\$420
2	3600	575	145T	42	0022DPNC21A-P	2.16	84.0	1, 10	MCTDPF	\$420
2	1800	230/460	145T	40	0024DPNA21A-P	6.4/3.2	84.0	1, 10	MCTDPF	\$393
2	1800	575	145T	40	0024DPNC21A-P	2.56	84.0	1, 10	MCTDPF	\$393
2	1200	230/460	184T		0026DPNA21A-P	7.0/3.5	85.5	1, 10	MCTDPF	\$487
2	1200	575	184T		0026DPNC21A-P	2.8	85.5	1, 10	MCTDPF	\$487
3	3600	230/460	145T	46	0032DPNA21A-P	7.4/3.7	84.0	1, 10	MCTDPF	\$470
3	3600	575	145T	46	0032DPNC21A-P	2.96	84.0	1, 10	MCTDPF	\$470
3	1800	230/460	182T	42	0034DPNA21A-P	8.4/4.2	86.5	1, 10	MCTDPF	\$427
3	1800	575	182T	42	0034DPNC21A-P	3.36	86.5	1, 10	MCTDPF	\$427
3	1200	230/460	213T	112	0036DPNA21A-P	9.0/4.5	86.5	1, 10	MCTDPF	\$677
3	1200	575	213T	112	0036DPNC21A-P	3.36	86.5	1, 10	MCTDPF	\$677
5	3600	230/460	182T		0052DPNA21A-P	12.4/6.2	85.5	1, 10	MCTDPF	\$559
5	3600	575	182T		0052DPNC21A-P	4.96	85.5	1, 10	MCTDPF	\$559
5	1800	230/460	184T	72	0054DPNA21A-P	13.2/6.6	87.5	1, 10	MCTDPF	\$506
5	1800	575	184T	72	0054DPNC21A-P	5.28	87.5	1, 10	MCTDPF	\$506
5	1200	230/460	215T	136	0056DPNA21A-P	14.2/7.1	87.5	1, 10	MCTDPF	\$926
5	1200	575	215T	136	0056DPNC21A-P	5.44	87.5	1, 10	MCTDPF	\$926

LV General Purpose CT

Open Drip Proof Rolled Steel EPACT Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	78	Y752DPNA21A-P	18/9	87.5	1, 10	MCTDPF	\$692
7.5	3600	575	184T	78	Y752DPNC21A-P	7.2	87.5	1, 10	MCTDPF	\$692
7.5	1800	230/460	213T	108	Y754DPNA21A-P	19.4/9.7	88.5	1, 10	MCTDPF	\$720
7.5	1800	575	213T	108	Y754DPNC21A-P	7.76	88.5	1, 10	MCTDPF	\$720
7.5	1200	230/460	254T		Y756DPNA21A-P	22/11	88.5	1, 10	MCTDPF	\$1,157
7.5	1200	575	254T		Y756DPNC21A-P	8.8	88.5	1, 10	MCTDPF	\$1,157
10	3600	230/460	213T	132	0102DPNA21A-P	24.8/12.4	88.5	1, 10	MCTDPF	\$881
10	3600	575	213T	132	0102DPNC21A-P	9.92	88.5	1, 10	MCTDPF	\$881
10	1800	230/460	215T	134	0104DPNA21A-P	16/13	89.5	1, 10	MCTDPF	\$866
10	1800	575	215T	134	0104DPNC21A-P	10.4	89.5	1, 10	MCTDPF	\$866
10	1200	230/460	256T		0106DPNA21A-P	28/14	90.2	1, 10	MCTDPF	\$1,344
10	1200	575	256T		0106DPNC21A-P	11.2	90.2	1, 10	MCTDPF	\$1,344
15	3600	230/460	215T	152	0152DPNA21A-P	36.4/18.2	89.5	1, 10	MCTDPF	\$1,207
15	3600	575	215T	152	0152DPNC21A-P	14.2	89.5	1, 10	MCTDPF	\$1,207
15	1800	230/460	254T	207	0154DPNA21A-P	37/18.5	91.0	1, 10	MCTDPF	\$1,185
15	1800	575	254T	207	0154DPNC21A-P	14.8	91.0	1, 10	MCTDPF	\$1,185
15	1200	230/460	284T		0156DPNA21A-P	40/20	90.2	1, 10	MCTDPF	\$1,892
15	1200	575	284T		0156DPNC21A-P	16	90.2	1, 10	MCTDPF	\$1,892
20	3600	230/460	254T	220	0202DPNA21A-P	48/24	90.2	1, 10	MCTDPF	\$1,438
20	3600	575	254T	220	0202DPNC21A-P	19.2	90.2	1, 10	MCTDPF	\$1,438
20	1800	230/460	256T	219	0204DPNA21A-P	50/25	91.0	1, 10	MCTDPF	\$1,455
20	1800	575	256T	219	0204DPNC21A-P	20	91.0	1, 10	MCTDPF	\$1,455
20	1200	230/460	286T		0206DPNA21A-P	53/26.5	91.0	1, 10	MCTDPF	\$2,364
20	1200	575	286T		0206DPNC21A-P	21	91.0	1, 10	MCTDPF	\$2,364
25	3600	230/460	256T		0252DPNA21A-P	58/29	91.0	1, 10	MCTDPF	\$1,738
25	3600	575	256T		0252DPNC21A-P	23.2	91.0	1, 10	MCTDPF	\$1,738
25	1800	230/460	284T		0254DPNA21A-P	60/30	91.7	1, 10	MCTDPF	\$1,704
25	1800	575	284T		0254DPNC21A-P	24	91.7	1, 10	MCTDPF	\$1,704
30	3600	230/460	284TS		0302DPNA21B-P	72/36	91.0	1, 10	MCTDPF	\$2,115
30	3600	575	284TS		0302DPNC21B-P	29	91.0	1, 10	MCTDPF	\$2,115
30	1800	230/460	286T	309	0304DPNA21A-P	72/36	92.4	1, 10	MCTDPF	\$1,986
30	1800	575	286T	309	0304DPNC21A-P	29	92.4	1, 10	MCTDPF	\$1,986

Please contact Toshiba for information on product availability.

The weights listed above are estimated.

Open Drip Proof Premium Efficiency



The general purpose CT, open drip proof, Premium Efficiency motor series is the general purpose motor product offering that takes energy efficiency in our basic product to the next level. The Premium CT motor line encompasses popular motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a competitive price. The Premium CT motor series also exceeds the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	41	0014DPSA31A-P	3/1.5	84.5	1, 10	MCTDPP	\$450
1	1800	575	143T	41	0014DPSC31A-P			1, 10	MCTDPP	\$450
1	1200	230/460	145T	50	0016DPSA31A-P	3.8/1.9	82.5	1, 10	MCTDPP	\$607
1	1200	575	145T	50	0016DPSC31A-P			1, 10	MCTDPP	\$607
1.5	3600	230/460	143T	41	Y152DPSA31A-P	4.2/2.1	84.0	1, 10	MCTDPP	\$515
1.5	3600	575	143T	41	Y152DPSC31A-P			1, 10	MCTDPP	\$515
1.5	1800	230/460	145T	50	Y154DPSA31A-P	4.4/2.2	86.5	1, 10	MCTDPP	\$502
1.5	1800	575	145T	50	Y154DPSC31A-P			1, 10	MCTDPP	\$502
1.5	1200	230/460	182T	72	Y156DPSA31A-P	5.2/2.6	86.5	1, 10	MCTDPP	\$652
1.5	1200	575	182T	72	Y156DPSC31A-P			1, 10	MCTDPP	\$652
2	3600	230/460	145T	50	0022DPSA31A-P	5.4/2.7	85.5	1, 10	MCTDPP	\$590
2	3600	575	145T	50	0022DPSC31A-P			1, 10	MCTDPP	\$590
2	1800	230/460	145T	50	0024DPSA31A-P	5.4/2.7	85.5	1, 10	MCTDPP	\$541
2	1800	575	145T	50	0024DPSC31A-P			1, 10	MCTDPP	\$541
2	1200	230/460	184T	91	0026DPSA31A-P	6.8/3.4	86.5	1, 10	MCTDPP	\$778
2	1200	575	184T	91	0026DPSC31A-P			1, 10	MCTDPP	\$778
3	3600	230/460	145T	50	0032DPSA31A-P	7.8/3.9	85.5	1, 10	MCTDPP	\$678
3	3600	575	145T	50	0032DPSC31A-P			1, 10	MCTDPP	\$678
3	1800	230/460	182T	72	0034DPSA31A-P	8.0/4.0	89.5	1, 10	MCTDPP	\$568
3	1800	575	182T	72	0034DPSC31A-P			1, 10	MCTDPP	\$568
3	1200	230/460	213T	128	0036DPSA31A-P	9.0/4.5	87.5	1, 10	MCTDPP	\$947
3	1200	575	213T	128	0036DPSC31A-P			1, 10	MCTDPP	\$947
5	3600	230/460	182T	72	0052DPSA31A-P	11.6/5.8	86.5	1, 10	MCTDPP	\$802
5	3600	575	182T	72	0052DPSC31A-P			1, 10	MCTDPP	\$802
5	1800	230/460	184T	91	0054DPSA31A-P	13.2/6.6	88.5	1, 10	MCTDPP	\$731
5	1800	575	184T	91	0054DPSC31A-P			1, 10	MCTDPP	\$731
5	1200	230/460	215T	157	0056DPSA31A-P	14.4/7.2	88.5	1, 10	MCTDPP	\$1,307
5	1200	575	215T	157	0056DPSC31A-P			1, 10	MCTDPP	\$1,307

LV General Purpose CT

Open Drip Proof Premium Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	91	Y752DPSA31A-P	18.0/9.0	88.5	1, 10	MCTDPP	\$1,106
7.5	3600	575	184T	91	Y752DPSC31A-P			1, 10	MCTDPP	\$1,106
7.5	1800	230/460	213T	128	Y754DPSA31A-P	18.8/9.4	90.2	1, 10	MCTDPP	\$1,065
7.5	1800	575	213T	128	Y754DPSC31A-P			1, 10	MCTDPP	\$1,065
7.5	1200	230/460	254T	260	Y756DPSA31A-P	20.4/10.2	90.2	1, 10	MCTDPP	\$1,699
7.5	1200	575	254T	260	Y756DPSC31A-P			1, 10	MCTDPP	\$1,699
10	3600	230/460	213T	128	0102DPSA31A-P	24.8/12.4	89.5	1, 10	MCTDPP	\$1,312
10	3600	575	213T	128	0102DPSC31A-P			1, 10	MCTDPP	\$1,312
10	1800	230/460	215T	157	0104DPSA31A-P	24.4/12.2	90.2	1, 10	MCTDPP	\$1,262
10	1800	575	215T	157	0104DPSC31A-P			1, 10	MCTDPP	\$1,262
10	1200	230/460	256T	297	0106DPSA31A-P	26.6/13.3	91.7	1, 10	MCTDPP	\$2,012
10	1200	575	256T	297	0106DPSC31A-P			1, 10	MCTDPP	\$2,012
15	3600	230/460	215T	157	0152DPSA31A-P	36.8/18.4	90.2	1, 10	MCTDPP	\$1,730
15	3600	575	215T	157	0152DPSC31A-P			1, 10	MCTDPP	\$1,730
15	1800	230/460	254T	230	0154DPSA31A-P	38.2/19.1	93.0	1, 10	MCTDPP	\$1,685
15	1800	575	254T	230	0154DPSC31A-P			1, 10	MCTDPP	\$1,685
15	1200	230/460	284T	394	0156DPSA31A-P	40/20	91.7	1, 10	MCTDPP	\$2,586
15	1200	575	284T	394	0156DPSC31A-P			1, 10	MCTDPP	\$2,586
20	3600	230/460	254T	260	0202DPSA31A-P	47.2/23.6	91.0	1, 10	MCTDPP	\$2,109
20	3600	575	254T	260	0202DPSC31A-P			1, 10	MCTDPP	\$2,109
20	1800	230/460	256T	310	0204DPSA31A-P	50/25	93.0	1, 10	MCTDPP	\$2,167
20	1800	575	256T	310	0204DPSC31A-P			1, 10	MCTDPP	\$2,167
20	1200	230/460	286T	350	0206DPSA31A-P	51.6/25.8	92.4	1, 10	MCTDPP	\$3,293
20	1200	575	286T	350	0206DPSC31A-P			1, 10	MCTDPP	\$3,293
25	3600	230/460	256T	297	0252DPSA31A-P	58/29	91.0	1, 10	MCTDPP	\$2,327
25	3600	575	256T	297	0252DPSC31A-P			1, 10	MCTDPP	\$2,327
25	1800	230/460	284T	374	0254DPSA31A-P	64/32	93.0	1, 10	MCTDPP	\$2,276
25	1800	575	284T	374	0254DPSC31A-P			1, 10	MCTDPP	\$2,276
25	1200	230/460	324T	580	0256DPSA31A-P	67/33.5	93.0	1, 10	MCTDPP	\$3,216
25	1200	575	324T	580	0256DPSC31A-P			1, 10	MCTDPP	\$3,216
30	3600	230/460	284TS	420	0302DPSA31B-P	70.8/35.4	91.7	1, 10	MCTDPP	\$2,786
30	3600	575	284TS	420	0302DPSC31B-P			1, 10	MCTDPP	\$2,786
30	1800	230/460	286T	350	0304DPSA31A-P	72.4/36.2	94.1	1, 10	MCTDPP	\$2,693
30	1800	575	286T	350	0304DPSC31A-P			1, 10	MCTDPP	\$2,693
30	1200	230/460	326T	480	0306DPSA31A-P	80/40	93.6	1, 10	MCTDPP	\$3,675
30	1200	575	326T	480	0306DPSC31A-P			1, 10	MCTDPP	\$3,675
40	3600	230/460	286TS	350	0402DPSA31B-P	93/46.5	92.4	1, 10	MCTDPP	\$3,563
40	3600	575	286TS	350	0402DPSC31B-P			1, 10	MCTDPP	\$3,563
40	1800	230/460	324T	570	0404DPSA31A-P	97/48.5	93.6	1, 10	MCTDPP	\$3,039
40	1800	575	324T	570	0404DPSC31A-P			1, 10	MCTDPP	\$3,039
40	1200	230/460	364T	770	0406DPSA31A-P	98.4/49.2	94.1	1, 10	MCTDPP	\$5,346
40	1200	575	364T	770	0406DPSC31A-P			1, 10	MCTDPP	\$5,346
50	3600	230/460	324TS	606	0502DPSA31B-P	118/59	93.0	1, 10	MCTDPP	\$3,865
50	3600	575	324TS	606	0502DPSC31B-P			1, 10	MCTDPP	\$3,865
50	1800	230/460	326T	639	0504DPSA31A-P	118/59	94.5	1, 10	MCTDPP	\$3,613
50	1800	575	326T	639	0504DPSC31A-P			1, 10	MCTDPP	\$3,613
50	1200	230/460	365T	838	0506DPSA31A-P	123/61.5	93.6	1, 10	MCTDPP	\$6,299

Open Drip Proof Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1200	575	365T	838	0506DPSC31A-P			1, 10	MCTDPP	\$6,299
60	3600	230/460	326TS	692	0602DPSA31B-P	136/68	93.6	1, 10	MCTDPP	\$5,050
60	3600	575	326TS	692	0602DPSC31B-P			1, 10	MCTDPP	\$5,050
60	1800	230/460	364T	770	0604DPSA31A-P	144/72	95.0	1, 10	MCTDPP	\$5,055
60	1800	575	364T	770	0604DPSC31A-P			1, 10	MCTDPP	\$5,055
75	3600	230/460	364TS	686	0752DPSA31B-P			1, 10	MCTDPP	\$6,665
75	3600	575	364TS	686	0752DPSC31B-P			1, 10	MCTDPP	\$6,665
75	1800	230/460	365T	838	0754DPSA31A-P	176/88	95.0	1, 10	MCTDPP	\$6,166
75	1800	575	365T	838	0754DPSC31A-P			1, 10	MCTDPP	\$6,166

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

CT premium refers to premium efficiency motors that exceed EPACT efficiency levels.

- LV General Purpose CT
- LV General Purpose XT
- EQP Global
- LV Definite Purpose CT
- LV Definite Purpose XT
- MV General Purpose XT
- Stock Modifications
- Production Modifications
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- Model No. Index
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General Purpose CT Series

Totally Enclosed Fan Cooled Motors



Toshiba's general purpose CT, totally enclosed fan cooled motors are designed with the cost-conscious consumer in mind, using the CT EPACT motor as a base. This product line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price. This motor series can be used in indoor or outdoor applications. Our CT totally enclosed fan cooled motors are available in EPACT Efficiency, EPACT Efficiency Rolled Steel, EPACT Efficiency C-Face Footed, EPACT Efficiency C-Face Footless, and Premium Efficiency options.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT & Premium Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron Frame
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 143 through 326T Frames
- Roller Bearing on all 364 through 449T, 4 & 6-Pole
- V-Ring Shaft Slinger on the Drive End
- Lithium Base Grease
- 304 Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

Product is available until inventory is depleted

2 Year
Warranty



Totally Enclosed Fan Cooled EPACT Efficiency



The general purpose CT, totally enclosed fan cooled, EPACT Efficiency motor series is Toshiba's most basic general purpose motor product offering. It encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, at a very competitive price. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 200 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 449T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	46	0014FTSA21A-P	2.9/1.45	82.5	1, 10	MCTFCE	\$386
1	1800	575	143T	51	0014FTSC21A-P	1.16	82.5	1, 10	MCTFCE	\$386
1	1200	230/460	145T	55	0016FTSA21A-P	3.4/1.7	80.0	1, 10	MCTFCE	\$466
1	1200	575	145T	55	0016FTSC21A-P	1.4	80.0	1, 10	MCTFCE	\$466
1.5	3600	230/460	143T	53	Y152FTSA21A-P	4.4/2.2	82.5	1, 10	MCTFCE	\$406
1.5	3600	575	143T	55	Y152FTSC21A-P	1.8	82.5	1, 10	MCTFCE	\$406
1.5	1800	230/460	145T	53	Y154FTSA21A-P	4.2/2.1	84.0	1, 10	MCTFCE	\$406
1.5	1800	575	145T	55	Y154FTSC21A-P	1.7	84.0	1, 10	MCTFCE	\$406
1.5	1200	230/460	182T	93	Y156FTSA21A-P	4.6/2.3	85.5	1, 10	MCTFCE	\$519
1.5	1200	575	182T	95	Y156FTSC21A-P	1.84	85.5	1, 10	MCTFCE	\$519
2	3600	230/460	145T	62	0022FTSA21A-P	5.2/2.6	84.0	1, 10	MCTFCE	\$476
2	3600	575	145T	64	0022FTSC21A-P	2.1	84.0	1, 10	MCTFCE	\$476
2	1800	230/460	145T	55	0024FTSA21A-P	5.6/2.8	84.0	1, 10	MCTFCE	\$450
2	1800	575	145T	57	0024FTSC21A-P	2.2	84.0	1, 10	MCTFCE	\$450
2	1200	230/460	184T	104	0026FTSA21A-P	6.2/3.1	86.5	1, 10	MCTFCE	\$588
2	1200	575	184T	108	0026FTSC21A-P	2.48	86.5	1, 10	MCTFCE	\$588
3	3600	230/460	182T	84	0032FTSA21A-P	7.2/3.6	85.5	1, 10	MCTFCE	\$545
3	3600	575	182T	86	0032FTSC21A-P	2.88	85.5	1, 10	MCTFCE	\$545
3	1800	230/460	182T	90	0034FTSA21A-P	8/4	87.5	1, 10	MCTFCE	\$519
3	1800	575	182T	86	0034FTSC21A-P	3.2	87.5	1, 10	MCTFCE	\$519
3	1200	230/460	213T	148	0036FTSA21A-P	8.9/4.45	87.5	1, 10	MCTFCE	\$752
3	1200	575	213T	150	0036FTSC21A-P	3.6	87.5	1, 10	MCTFCE	\$752
5	3600	230/460	184T	101	0052FTSA21A-P	11.8/5.9	87.5	1, 10	MCTFCE	\$675
5	3600	575	184T	97	0052FTSC21A-P	4.72	87.5	1, 10	MCTFCE	\$675
5	1800	230/460	184T	108	0054FTSA21A-P	12.8/6.4	87.5	1, 10	MCTFCE	\$605
5	1800	575	184T	110	0054FTSC21A-P	5.12	85.5	1, 10	MCTFCE	\$605
5	1200	230/460	215T	185	0056FTSA21A-P	14.6/7.3	87.5	1, 10	MCTFCE	\$1,072
5	1200	575	215T	194	0056FTSC21A-P	5.84	87.5	1, 10	MCTFCE	\$1,072

LV General Purpose CT

Totally Enclosed Fan Cooled EPACT Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

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Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213T	154	Y752FTSA21A-P	18.8/9.4	88.5	1, 10	MCTFCE	\$883
7.5	3600	575	213T	157	Y752FTSC21A-P	7.52	88.5	1, 10	MCTFCE	\$883
7.5	1800	230/460	213T	159	Y754FTSA21A-P	18.9/9.45	89.5	1, 10	MCTFCE	\$864
7.5	1800	575	213T	168	Y754FTSC21A-P	7.6	89.5	1, 10	MCTFCE	\$864
7.5	1200	230/460	254T	251	Y756FTSA21A-P	20/10	89.5	1, 10	MCTFCE	\$1,436
7.5	1200	575	254T	238	Y756FTSC21A-P	8.0	89.5	1, 10	MCTFCE	\$1,436
10	3600	230/460	215T	176	0102FTSA21A-P	24/12	89.5	1, 10	MCTFCE	\$1,029
10	3600	575	215T	185	0102FTSC21A-P	9.6	89.5	1, 10	MCTFCE	\$1,029
10	1800	230/460	215T	185	0104FTSA21A-P	25.2/12.6	89.5	1, 10	MCTFCE	\$1,046
10	1800	575	215T	192	0104FTSC21A-P	10.1	89.5	1, 10	MCTFCE	\$1,046
10	1200	230/460	256T	335	0106FTSA21A-P	26.6/13.3	89.5	1, 10	MCTFCE	\$1,826
10	1200	575	256T	313	0106FTSC21A-P	10.6	89.5	1, 10	MCTFCE	\$1,826
15	3600	230/460	254T	287	0152FTSA21A-P	35.2/17.6	90.2	1, 10	MCTFCE	\$1,427
15	3600	575	254T	291	0152FTSC21A-P	14.1	90.2	1, 10	MCTFCE	\$1,427
15	1800	230/460	254T	278	0154FTSA21A-P	36.6/18.3	91.0	1, 10	MCTFCE	\$1,427
15	1800	575	254T	273	0154FTSC21A-P	14.6	91.0	1, 10	MCTFCE	\$1,427
15	1200	230/460	284T	423	0156FTSA21A-P	40/20	90.2	1, 10	MCTFCE	\$2,466
15	1200	575	284T	445	0156FTSC21A-P	16.0	90.2	1, 10	MCTFCE	\$2,466
20	3600	230/460	256T	322	0202FTSA21A-P	47/23.5	90.2	1, 10	MCTFCE	\$1,869
20	3600	575	256T	333	0202FTSC21A-P	18.8	90.2	1, 10	MCTFCE	\$1,869
20	1800	230/460	256T	304	0204FTSA21A-P	49.2/24.6	91.0	1, 10	MCTFCE	\$1,738
20	1800	575	256T	306	0204FTSC21A-P	19.7	91.0	1, 10	MCTFCE	\$1,738
20	1200	230/460	286T	481	0206FTSA21A-P	52/26	90.2	1, 10	MCTFCE	\$2,933
20	1200	575	286T	489	0206FTSC21A-P	20.5	90.2	1, 10	MCTFCE	\$2,933
25	3600	230/460	284TS	448	0252FTSA21B-P	59/29.5	91.0	1, 10	MCTFCE	\$2,241
25	3600	575	284TS	465	0252FTSC21B-P	23.6	91.0	1, 10	MCTFCE	\$2,241
25	1800	230/460	284T	452	0254FTSA21A-P	62/31	92.4	1, 10	MCTFCE	\$2,102
25	1800	230/460	284TS	452	0254FTSA21B-P	62/31	92.4	1, 10	MCTFCE	\$2,102
25	1800	575	284T	485	0254FTSC21A-P	24.8	92.4	1, 10	MCTFCE	\$2,102
25	1200	230/460	324T	573	0256FTSA21A-P	62/31	91.7	1, 10	MCTFCE	\$3,565
25	1200	575	324T	582	0256FTSC21A-P	24.8	91.7	1, 10	MCTFCE	\$3,565
30	3600	230/460	286TS	496	0302FTSA21B-P	70/35	91.0	1, 10	MCTFCE	\$2,552
30	3600	575	286TS	509	0302FTSC21B-P	28.0	91.0	1, 10	MCTFCE	\$2,552
30	1800	230/460	286T	481	0304FTSA21A-P	73/36.5	92.4	1, 10	MCTFCE	\$2,552
30	1800	230/460	286TS	481	0304FTSA21B-P	73/36.5	92.4	1, 10	MCTFCE	\$2,552
30	1800	575	286T	511	0304FTSC21A-P	29.2	92.4	1, 10	MCTFCE	\$2,552
30	1200	230/460	326T	655	0306FTSA21A-P	72/36	91.7	1, 10	MCTFCE	\$4,240
30	1200	575	326T	666	0306FTSC21A-P	28.8	91.7	1, 10	MCTFCE	\$4,240
40	3600	230/460	324TS	595	0402FTSA21B-P	96/48	91.7	1, 10	MCTFCE	\$3,280
40	3600	575	324TS	600	0402FTSC21B-P	38.4	91.7	1, 10	MCTFCE	\$3,280
40	1800	230/460	324T	608	0404FTSA21A-P	96/48	93.0	1, 10	MCTFCE	\$3,244
40	1800	230/460	324TS	608	0404FTSA21B-P	96/48	93.0	1, 10	MCTFCE	\$3,244
40	1800	575	324T	631	0404FTSC21A-P	38.4	93.0	1, 10	MCTFCE	\$3,244
40	1200	230/460	364T	827	0406FTSA21A-P	95.6/47.8	93.0	1, 2, 10	MCTFCE	\$5,554
40	1200	575	364T	825	0406FTSC21A-P	38.2	93.0	1, 2, 10	MCTFCE	\$5,554
50	3600	230/460	326TS	675	0502FTSA21B-P	120/60	92.4	1, 10	MCTFCE	\$4,369
50	3600	575	326TS	701	0502FTSC21B-P	48.0	92.4	1, 10	MCTFCE	\$4,369

Totally Enclosed Fan Cooled EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1800	230/460	326T	714	0504FTSA21A-P	118/59	93.0	1, 10	MCTFCE	\$4,144
50	1800	230/460	326TS	714	0504FTSA21B-P	118/59	93.0	1, 10	MCTFCE	\$4,144
50	1800	575	326T	728	0504FTSC21A-P	47.2	93.0	1, 10	MCTFCE	\$4,144
50	1200	230/460	365T	926	0506FTSA21A-P	116/58	93.0	1, 2, 10	MCTFCE	\$6,498
50	1200	575	365T	946	0506FTSC21A-P	46.4	93.0	1, 2, 10	MCTFCE	\$6,498
60	3600	230/460	364TS	893	0602FTSA21B-P	137/68.5	93.0	1, 10	MCTFCE	\$6,229
60	3600	575	364TS	893	0602FTSC21B-P	54.8	93.0	1, 10	MCTFCE	\$6,229
60	1800	230/460	364T	910	0604FTSA21A-P	144/72	93.6	1, 2, 10	MCTFCE	\$5,779
60	1800	230/460	364TS	910	0604FTSA21B-P	144/72	93.6	1, 10	MCTFCE	\$5,779
60	1800	575	364T	941	0604FTSC21A-P	57.6	93.6	1, 2, 10	MCTFCE	\$5,779
60	1200	230/460	404T	1240	0606FTSA21A-P	140/70	93.6	1, 2, 10	MCTFCE	\$7,345
60	1200	575	404T	1240	0606FTSC21A-P	56.0	93.9	1, 2, 10	MCTFCE	\$7,345
75	3600	230/460	365TS	963	0752FTSA21B-P	166/83	93.0	1, 10	MCTFCE	\$7,501
75	3600	575	365TS	983	0752FTSC21B-P	68.0	93.0	1, 10	MCTFCE	\$7,501
75	1800	230/460	365T	1001	0754FTSA21A-P	178/89	94.1	1, 2, 10	MCTFCE	\$7,312
75	1800	230/460	365TS	1001	0754FTSA21B-P	178/89	94.1	1, 10	MCTFCE	\$7,312
75	1800	575	365T	1001	0754FTSC21A-P	71.2	94.1	1, 2, 10	MCTFCE	\$7,312
75	1200	230/460	405T	1319	0756FTSA21A-P	174/87	93.6	1, 2, 10	MCTFCE	\$8,681
75	1200	575	405T	1319	0756FTSC21A-P	69.6	93.6	1, 2, 10	MCTFCE	\$8,681
100	3600	230/460	405TS	1305	1002FTSA21B-P	230/115	93.6	1, 10	MCTFCE	\$9,948
100	3600	575	405TS	1305	1002FTSC21B-P	92.0	93.6	1, 10	MCTFCE	\$9,948
100	1800	230/460	405T	1370	1004FTSA21A-P	242/121	94.5	1, 2, 10	MCTFCE	\$9,159
100	1800	575	405T	1370	1004FTSC21A-P	96.8	94.5	1, 2, 10	MCTFCE	\$9,159
100	1200	230/460	444T	1786	1006FTSA21A-P	244/122	94.1	1, 2, 10	MCTFCE	\$12,146
100	1200	575	444T	1786	1006FTSC21A-P	97.6	94.1	1, 2, 10	MCTFCE	\$12,146
125	3600	230/460	444TS	1851	1252FTSA21B-P	292/146	94.5	1, 10	MCTFCE	\$13,189
125	3600	575	444TS	1851	1252FTSC21B-P	117.0	94.5	1, 10	MCTFCE	\$13,189
125	1800	230/460	444T	1837	1254FTSA21A-P	290/145	94.5	1, 2, 10	MCTFCE	\$11,525
125	1800	575	444T	1837	1254FTSC21A-P	116.0	94.5	1, 2, 10	MCTFCE	\$11,525
125	1200	230/460	445T	1941	1256FTSA21A-P	302/151	94.1	1, 2, 10	MCTFCE	\$14,234
125	1200	575	445T	1941	1256FTSC21A-P	121.0	94.1	1, 2, 10	MCTFCE	\$14,234
150	3600	230/460	445TS	2016	1502FTSA21B-P	346/173	94.5	1, 10	MCTFCE	\$16,064
150	3600	575	445TS	2016	1502FTSC21B-P	138.0	94.5	1, 10	MCTFCE	\$16,064
150	1800	230/460	445T	2040	1504FTSA21A-P	338/169	95.0	1, 2, 10	MCTFCE	\$13,903
150	1800	575	445T	2040	1504FTSC21A-P	135.0	95.0	1, 2, 10	MCTFCE	\$13,903
150	1200	460	447T	2211	1506FTSB21A-P	179.0	95.0	1, 2, 10	MCTFCE	\$16,456
150	1200	575	447T	2211	1506FTSC21A-P	143.0	95.0	1, 2, 10	MCTFCE	\$16,456
200	3600	460	447TS	2293	2002FTSB21B-P	228.0	95.0	1, 10	MCTFCE	\$20,077
200	3600	575	447TS	2293	2002FTSC21B-P	182.0	95.0	1, 10	MCTFCE	\$20,077
200	1800	460	447T	2375	2004FTSB21A-P	226.0	95.0	1, 2, 10	MCTFCE	\$17,077
200	1800	575	447T	2375	2004FTSC21A-P	180.0	95.0	1, 2, 10	MCTFCE	\$17,077
200	1200	460	449T	2809	2006FTSB21A-P	237.0	95.0	1, 2, 10	MCTFCE	\$21,045
200	1200	575	449T	2809	2006FTSC21A-P	190.0	95.0	1, 2, 10	MCTFCE	\$21,045

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT
 LV General Purpose XT
 EQP Global
 LV Definite Purpose CT
 LV Definite Purpose XT
 MV General Purpose XT
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Totally Enclosed Fan Cooled Rolled Steel EPACT Efficiency



The general purpose CT, totally enclosed fan cooled, EPACT efficiency, Rolled Steel motor series is created as a solution for customers looking for a less costly product and more lightweight design than the typical CT EPACT motor. These motors offer similar features and performance as the CT EPACT, but at a lower price. The Rolled Steel motor series is light in weight, but not light performance, and meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 30 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Rolled Steel
Vibration (Unfiltered):	0.15 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	40	0014FCNA21A-P	3.22/1.61	82.5	1, 10	MCTFCF	\$363
1	1800	575	143T	40	0014FCNC21A-P	1.29	82.5	1, 10	MCTFCF	\$363
1	1200	230/460	145T	45	0016FCNA21A-P	3.5/1.75	80.0	1, 10	MCTFCF	\$438
1	1200	575	145T	45	0016FCNC21A-P	1.4	80.0	1, 10	MCTFCF	\$438
1.5	3600	230/460	143T	43	Y152FCNA21A-P	4.1/2.05	82.5	1, 10	MCTFCF	\$382
1.5	3600	575	143T	43	Y152FCNC21A-P	1.64	82.5	1, 10	MCTFCF	\$382
1.5	1800	230/460	145T	43	Y154FCNA21A-P	4.5/2.25	84.0	1, 10	MCTFCF	\$382
1.5	1800	575	145T	43	Y154FCNC21A-P	1.8	84.0	1, 10	MCTFCF	\$382
1.5	1200	230/460	182T		Y156FCNA21A-P	4.7/2.35	85.5	1, 10	MCTFCF	\$487
1.5	1200	575	182T		Y156FCNC21A-P	1.88	85.5	1, 10	MCTFCF	\$487
2	3600	230/460	145T		0022FCNA21A-P	5.2/2.6	84.0	1, 10	MCTFCF	\$448
2	3600	575	145T		0022FCNC21A-P	2.1	84.0	1, 10	MCTFCF	\$448
2	1800	230/460	145T	44	0024FCNA21A-P	6.0/3.0	84.0	1, 10	MCTFCF	\$423
2	1800	575	145T	44	0024FCNC21A-P	2.4	84.0	1, 10	MCTFCF	\$423
2	1200	230/460	184T		0026FCNA21A-P	6.4/3.2	86.5	1, 10	MCTFCF	\$553
2	1200	575	184T		0026FCNC21A-P	2.56	86.5	1, 10	MCTFCF	\$553
3	3600	230/460	182T	67	0032FCNA21A-P	7.5/3.75	85.5	1, 10	MCTFCF	\$524
3	3600	575	182T	67	0032FCNC21A-P	3	85.5	1, 10	MCTFCF	\$524
3	1800	230/460	182T	71	0034FCNA21A-P	7.9/3.95	87.5	1, 10	MCTFCF	\$497
3	1800	575	182T	71	0034FCNC21A-P	3.16	87.5	1, 10	MCTFCF	\$497
3	1200	230/460	213T	122	0036FCNA21A-P	9.0/4.5	87.5	1, 10	MCTFCF	\$707
3	1200	575	213T	122	0036FCNC21A-P	3.6	87.5	1, 10	MCTFCF	\$707
5	3600	230/460	184T	76	0052FCNA21A-P	12.0/6.0	87.5	1, 10	MCTFCF	\$633
5	3600	575	184T	76	0052FCNC21A-P	4.8	87.5	1, 10	MCTFCF	\$633
5	1800	230/460	184T	82	0054FCNA21A-P	12.6/6.3	87.5	1, 10	MCTFCF	\$570
5	1800	575	184T	82	0054FCNC21A-P	5.04	87.5	1, 10	MCTFCF	\$570
5	1200	230/460	215T	149	0056FCNA21A-P	13.6/6.8	87.5	1, 10	MCTFCF	\$1,008
5	1200	575	215T	149	0056FCNC21A-P	5.4	87.5	1, 10	MCTFCF	\$1,008

Totally Enclosed Fan Cooled Rolled Steel EPACT Efficiency



HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213T	146	Y752FCNA21A-P	18.4/9.2	88.5	1, 10	MCTFCF	\$847
7.5	3600	575	213T	146	Y752FCNC21A-P	7.36	88.5	1, 10	MCTFCF	\$847
7.5	1800	230/460	213T	131	Y754FCNA21A-P	19.2/9.6	89.5	1, 10	MCTFCF	\$812
7.5	1800	575	213T	131	Y754FCNC21A-P	7.68	89.5	1, 10	MCTFCF	\$812
7.5	1200	230/460	254T	234	Y756FCNA21A-P	20/10	89.5	1, 10	MCTFCF	\$1,350
7.5	1200	575	254T	234	Y756FCNC21A-P	8	89.5	1, 10	MCTFCF	\$1,350
10	3600	230/460	215T	154	0102FCNA21A-P	24/12	89.5	1, 10	MCTFCF	\$967
10	3600	575	215T	154	0102FCNC21A-P	9.6	89.5	1, 10	MCTFCF	\$967
10	1800	230/460	215T	149	0104FCNA21A-P	25.2/12.6	89.5	1, 10	MCTFCF	\$984
10	1800	575	215T	149	0104FCNC21A-P	10.1	89.5	1, 10	MCTFCF	\$984
10	1200	230/460	256T	249	0106FCNA21A-P	26//13	89.5	1, 10	MCTFCF	\$1,717
10	1200	575	256T	249	0106FCNC21A-P	10.4	89.5	1, 10	MCTFCF	\$1,717
15	3600	230/460	254T	243	0152FCNA21A-P	36/18	90.2	1, 10	MCTFCF	\$1,340
15	3600	575	254T	243	0152FCNC21A-P	14.4	90.2	1, 10	MCTFCF	\$1,340
15	1800	230/460	254T		0154FCNA21A-P	36/18	91.0	1, 10	MCTFCF	\$1,340
15	1800	575	254T		0154FCNC21A-P	14.4	91.0	1, 10	MCTFCF	\$1,340
15	1200	230/460	284T		0156FCNA21A-P	40/20	90.2	1, 10	MCTFCF	\$2,364
15	1200	575	284T		0156FCNC21A-P	16	90.2	1, 10	MCTFCF	\$2,364
20	3600	230/460	256T		0202FCNA21A-P	46/23	90.2	1, 10	MCTFCF	\$1,757
20	3600	575	256T		0202FCNC21A-P	18.4	90.2	1, 10	MCTFCF	\$1,757
20	1800	230/460	256T		0204FCNA21A-P	48/24	91.0	1, 10	MCTFCF	\$1,633
20	1800	575	256T		0204FCNC21A-P	19.2	91.0	1, 10	MCTFCF	\$1,633
20	1200	230/460	286T		0206FCNA21A-P	52/26	90.2	1, 10	MCTFCF	\$2,811
20	1200	575	286T		0206FCNC21A-P	20.8	90.2	1, 10	MCTFCF	\$2,811
25	3600	230/460	284TS		0252FCNA21B-P	59/29.5	91.0	1, 10	MCTFCF	\$2,106
25	3600	575	284TS		0252FCNC21B-P	23.6	91.0	1, 10	MCTFCF	\$2,106
25	1800	230/460	284T		0254FCNA21A-P	62/31	92.4	1, 10	MCTFCF	\$1,976
25	1800	575	284T		0254FCNC21A-P	62/31	92.4	1, 10	MCTFCF	\$1,976
30	3600	230/460	286TS		0302FCNA21B-P	70/35	91.0	1, 10	MCTFCF	\$2,398
30	3600	575	286TS		0302FCNC21B-P	28	91.0	1, 10	MCTFCF	\$2,398
30	1800	230/460	286T		0304FCNA21A-P	73/36.5	92.4	1, 10	MCTFCF	\$2,398
30	1800	575	286T		0304FCNC21A-P	73/36.5	92.4	1, 10	MCTFCF	\$2,398

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Totally Enclosed Fan Cooled Premium Efficiency

The general purpose CT, totally enclosed fan cooled, Premium Efficiency motor series is Toshiba's general purpose motor offering. This series takes energy efficiency in our basic product to the next level. The Premium CT motor exceeds the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	49	0014FTSA31A-P	3/1.5	84.5	1, 10	MCTFCP	\$483
1	1800	575	143T	49	0014FTSC31A-P	1.2	84.5	1, 10	MCTFCP	\$483
1	1200	230/460	145T	53	0016FTSA31A-P	3.4/1.7	82.5	1, 10	MCTFCP	\$626
1	1200	575	145T	53	0016FTSC31A-P	1.36	82.5	1, 10	MCTFCP	\$626
1.5	3600	230/460	143T	46	Y152FTSA31A-P	3.8/1.9	84.0	1, 10	MCTFCP	\$562
1.5	3600	575	143T	46	Y152FTSC31A-P	1.52	84.0	1, 10	MCTFCP	\$562
1.5	1800	230/460	145T	51	Y154FTSA31A-P	4.2/2.1	86.5	1, 10	MCTFCP	\$562
1.5	1800	575	145T	51	Y154FTSC31A-P	1.68	86.5	1, 10	MCTFCP	\$562
1.5	1200	230/460	182T	93	Y156FTSA31A-P	4.6/2.3	87.5	1, 10	MCTFCP	\$712
1.5	1200	575	182T	93	Y156FTSC31A-P	1.92	87.5	1, 10	MCTFCP	\$712
2	3600	230/460	145T	55	0022FTSA31A-P	5/2.5	85.5	1, 10	MCTFCP	\$607
2	3600	575	145T	55	0022FTSC31A-P	2	85.5	1, 10	MCTFCP	\$607
2	1800	230/460	145T	55	0024FTSA31A-P	5.6/2.8	86.5	1, 10	MCTFCP	\$603
2	1800	575	145T	55	0024FTSC31A-P	2.24	86.5	1, 10	MCTFCP	\$603
2	1200	230/460	184T	101	0026FTSA31A-P	6.0/3.0	88.5	1, 10	MCTFCP	\$813
2	1200	575	184T	101	0026FTSC31A-P	2.6	88.5	1, 10	MCTFCP	\$813
3	3600	230/460	182T	79	0032FTSA31A-P	7.2/3.6	86.5	1, 10	MCTFCP	\$753
3	3600	575	182T	79	0032FTSC31A-P	2.88	86.5	1, 10	MCTFCP	\$753
3	1800	230/460	182T	89	0034FTSA31A-P	7.8/3.9	88.5	1, 10	MCTFCP	\$675
3	1800	575	182T	89	0034FTSC31A-P	3.12	88.5	1, 10	MCTFCP	\$675
3	1200	230/460	213T	143	0036FTSA31A-P	8.6/4.3	88.5	1, 10	MCTFCP	\$1,001
3	1200	575	213T	143	0036FTSC31A-P	3.44	88.5	1, 10	MCTFCP	\$1,001
5	3600	230/460	184T	95	0052FTSA31A-P	11.6/5.8	88.5	1, 10	MCTFCP	\$881
5	3600	575	184T	95	0052FTSC31A-P	4.64	88.5	1, 10	MCTFCP	\$881
5	1800	230/460	184T	101	0054FTSA31A-P	12.8/6.4	88.5	1, 10	MCTFCP	\$787
5	1800	575	184T	101	0054FTSC31A-P	5.1	88.5	1, 10	MCTFCP	\$787
5	1200	230/460	215T	177	0056FTSA31A-P	13.8/6.9	89.5	1, 10	MCTFCP	\$1,376
5	1200	575	215T	177	0056FTSC31A-P	5.52	89.5	1, 10	MCTFCP	\$1,376
7.5	3600	230/460	213T	148	Y752FTSA31A-P	18/9.0	89.5	1, 10	MCTFCP	\$1,162

Totally Enclosed Fan Cooled Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	575	213T	148	Y752FTSC31A-P	7.2	89.5	1, 10	MCTFCP	\$1,162
7.5	1800	230/460	213T	153	Y754FTSA31A-P	18.2/9.1	91.0	1, 10	MCTFCP	\$1,125
7.5	1800	575	213T	153	Y754FTSC31A-P	7.28	91.0	1, 10	MCTFCP	\$1,125
7.5	1200	230/460	254T	254	Y756FTSA31A-P	20.1/10.1	91.0	1, 10	MCTFCP	\$1,886
7.5	1200	575	254T	254	Y756FTSC31A-P	8.08	91.0	1, 10	MCTFCP	\$1,886
10	3600	230/460	215T	172	0102FTSA31A-P	23/11.5	90.2	1, 10	MCTFCP	\$1,369
10	3600	575	215T	172	0102FTSC31A-P	9.2	90.2	1, 10	MCTFCP	\$1,369
10	1800	230/460	215T	176	0104FTSA31A-P	23.8/11.9	91.0	1, 10	MCTFCP	\$1,316
10	1800	575	215T	176	0104FTSC31A-P	10	91.0	1, 10	MCTFCP	\$1,316
10	1200	230/460	256T	291	0106FTSA31A-P	26.4/13.2	91.7	1, 10	MCTFCP	\$2,295
10	1200	575	256T	291	0106FTSC31A-P	10.5	91.0	1, 10	MCTFCP	\$2,295
15	3600	230/460	254T	269	0152FTSA31A-P	34.6/17.3	91.0	1, 10	MCTFCP	\$1,819
15	3600	575	254T	269	0152FTSC31A-P	13.8	91.0	1, 10	MCTFCP	\$1,819
15	1800	230/460	254T	271	0154FTSA31A-P	37/18.5	92.4	1, 10	MCTFCP	\$1,781
15	1800	575	254T	271	0154FTSC31A-P	14.8	92.4	1, 10	MCTFCP	\$1,781
15	1200	230/460	284T	384	0156FTSA31A-P	38.8/19.4	91.0	1, 10	MCTFCP	\$3,075
15	1200	575	284T	384	0156FTSC31A-P	15.5	91.0	1, 10	MCTFCP	\$3,075
20	3600	230/460	256T	291	0202FTSA31A-P	46/23	91.0	1, 10	MCTFCP	\$2,299
20	3600	575	256T	291	0202FTSC31A-P	18.4	91.0	1, 10	MCTFCP	\$2,299
20	1800	230/460	256T	300	0204FTSA31A-P	49/24.5	93.0	1, 10	MCTFCP	\$2,242
20	1800	575	256T	300	0204FTSC31A-P	19.6	93.0	1, 10	MCTFCP	\$2,242
20	1200	230/460	286T	443	0206FTSA31A-P	51/25.5	91.7	1, 10	MCTFCP	\$3,731
20	1200	575	286T	443	0206FTSC31A-P	20.4	91.7	1, 10	MCTFCP	\$3,731
25	3600	230/460	284TS	423	0252FTSA31B-P	57.4/28.7	91.7	1, 10	MCTFCP	\$2,769
25	3600	575	284TS	423	0252FTSC31B-P	23	91.7	1, 10	MCTFCP	\$2,769
25	1800	230/460	284T	419	0254FTSA31A-P	60/30	93.6	1, 10	MCTFCP	\$2,621
25	1800	575	284T	419	0254FTSC31A-P	24	93.6	1, 10	MCTFCP	\$2,621
25	1200	230/460	324T	544	0256FTSA31A-P	64/32	92.4	1, 10	MCTFCP	\$4,463
25	1200	575	324T	544	0256FTSC31A-P	25.6	92.4	1, 10	MCTFCP	\$4,463
30	3600	230/460	286TS	467	0302FTSA31B-P	68.2/34.1	91.7	1, 10	MCTFCP	\$3,244
30	3600	575	286TS	467	0302FTSC31B-P	27.28	91.7	1, 10	MCTFCP	\$3,244
30	1800	230/460	286T	456	0304FTSA31A-P	72/36	93.6	1, 10	MCTFCP	\$3,154
30	1800	575	286T	456	0304FTSC31A-P	30	93.6	1, 10	MCTFCP	\$3,154
30	1200	230/460	326T	606	0306FTSA31A-P	72/36	92.4	1, 10	MCTFCP	\$5,241
30	1200	575	326T	606	0306FTSC31A-P	28.8	92.4	1, 10	MCTFCP	\$5,241
40	3600	230/460	324TS	566	0402FTSA31B-P	93.4/46.7	92.4	1, 10	MCTFCP	\$4,313
40	3600	575	324TS	566	0402FTSC31B-P	37.4	92.4	1, 10	MCTFCP	\$4,313
40	1800	230/460	324T	586	0404FTSA31A-P	94.8/47.4	93.6	1, 10	MCTFCP	\$4,043
40	1800	575	324T	586	0404FTSC31A-P	38	93.6	1, 10	MCTFCP	\$4,043
40	1200	230/460	364T	809	0406FTSA31A-P	97/48.5	93.6	1, 2, 10	MCTFCP	\$6,865
40	1200	575	364T	809	0406FTSC31A-P	38.8	93.6	1, 2, 10	MCTFCP	\$6,865
50	3600	230/460	326TS	674	0502FTSA31B-P	114/57	93.0	1, 10	MCTFCP	\$5,588
50	3600	575	326TS	674	0502FTSC31B-P	45.6	93.0	1, 10	MCTFCP	\$5,588
50	1800	230/460	326T	675	0504FTSA31A-P	116/58	94.1	1, 10	MCTFCP	\$5,063
50	1800	575	326T	675	0504FTSC31A-P	47.2	94.1	1, 10	MCTFCP	\$5,063
50	1200	230/460	365T	886	0506FTSA31A-P	120/60	94.1	1, 2, 10	MCTFCP	\$8,064
50	1200	575	365T	886	0506FTSC31A-P	48	94.1	1, 2, 10	MCTFCP	\$8,064

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Totally Enclosed Fan Cooled Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	3600	230/460	364TS	833	0602FTSA31B-P	136/68	93.6	1, 10	MCTFCP	\$7,366
60	3600	575	364TS	833	0602FTSC31B-P	54.4	93.6	1, 10	MCTFCP	\$7,366
60	1800	230/460	364T	882	0604FTSA31A-P	143/71.5	94.5	1, 2, 10	MCTFCP	\$7,143
60	1800	575	364T	882	0604FTSC31A-P	57	94.5	1, 2, 10	MCTFCP	\$7,143
75	3600	230/460	365TS	886	0752FTSA31B-P	168/84	93.6	1, 10	MCTFCP	\$9,271
75	3600	575	365TS	886	0752FTSC31B-P	67.2	93.6	1, 10	MCTFCP	\$9,271
75	1800	230/460	365T	950	0754FTSA31A-P	176/88	94.5	1, 2, 10	MCTFCP	\$9,037
75	1800	575	365T	950	0754FTSC31A-P	70	94.5	1, 2, 10	MCTFCP	\$9,037

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

CT premium refers to premium efficiency motors that exceed EPACT efficiency levels.

**Totally Enclosed
Fan Cooled
C-Face Footed
EPACT Efficiency**



The general purpose CT, totally enclosed fan cooled, EPACT efficiency, C-Face Footed motor series encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba. This product line meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
1	1800	230/460	143TC	50	0014FTSA22A-P	2.9/1.45	82.5	1, 10	MCTFCE	\$471
1	1800	575	143TC	50	0014FTSC22A-P	1.16	82.5	1, 10	MCTFCE	\$471
1	1200	230/460	145TC	57	0016FTSA22A-P	3.4/1.7	80.0	1, 10	MCTFCE	\$568
1	1200	575	145TC	57	0016FTSC22A-P	1.4	80.0	1, 10	MCTFCE	\$568
1.5	3600	230/460	143TC	50	Y152FTSA22A-P	4.4/2.2	82.5	1, 10	MCTFCE	\$496
1.5	3600	575	143TC	50	Y152FTSC22A-P	1.8	82.5	1, 10	MCTFCE	\$496
1.5	1800	230/460	145TC	57	Y154FTSA22A-P	4.2/2.1	84.0	1, 10	MCTFCE	\$496
1.5	1800	575	145TC	57	Y154FTSC22A-P	1.7	84.0	1, 10	MCTFCE	\$496
1.5	1200	230/460	182TC	91	Y156FTSA22A-P	4.6/2.3	85.5	1, 10	MCTFCE	\$634
1.5	1200	575	182TC	91	Y156FTSC22A-P	1.84	85.5	1, 10	MCTFCE	\$634
2	3600	230/460	145TC	60	0022FTSA22A-P	5.2/2.6	84.0	1, 10	MCTFCE	\$580
2	3600	575	145TC	60	0022FTSC22A-P	2.1	84.0	1, 10	MCTFCE	\$580
2	1800	230/460	145TC	62	0024FTSA22A-P	5.6/2.8	84.0	1, 10	MCTFCE	\$548
2	1800	575	145TC	62	0024FTSC22A-P	2.2	84.0	1, 10	MCTFCE	\$548
2	1200	230/460	184TC	105	0026FTSA22A-P	6.2/3.1	86.5	1, 10	MCTFCE	\$718
2	1200	575	184TC	105	0026FTSC22A-P	2.48	86.5	1, 10	MCTFCE	\$718
3	3600	230/460	182TC	91	0032FTSA22A-P	7.2/3.6	85.5	1, 10	MCTFCE	\$666
3	3600	575	182TC	91	0032FTSC22A-P	2.88	85.5	1, 10	MCTFCE	\$666
3	1800	230/460	182TC	101	0034FTSA22A-P	8/4	87.5	1, 10	MCTFCE	\$634
3	1800	575	182TC	101	0034FTSC22A-P	3.2	87.5	1, 10	MCTFCE	\$634
3	1200	230/460	213TC	180	0036FTSA22A-P	8.9/4.45	87.5	1, 10	MCTFCE	\$916
3	1200	575	213TC	180	0036FTSC22A-P	3.6	87.5	1, 10	MCTFCE	\$916
5	3600	230/460	184TC	108	0052FTSA22A-P	11.8/5.9	87.5	1, 10	MCTFCE	\$823
5	3600	575	184TC	108	0052FTSC22A-P	4.72	87.5	1, 10	MCTFCE	\$823
5	1800	230/460	184TC	115	0054FTSA22A-P	12.8/6.4	87.5	1, 10	MCTFCE	\$737
5	1800	575	184TC	115	0054FTSC22A-P	5.12	85.5	1, 10	MCTFCE	\$737
5	1200	230/460	215TC	180	0056FTSA22A-P	14.6/7.3	87.5	1, 10	MCTFCE	\$1,307

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

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MV General Purpose XT

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Totally Enclosed Fan Cooled C-Face Footed EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
5	1200	575	215TC	180	0056FTSC22A-P	5.84	87.5	1, 10	MCTFCE	\$1,307
7.5	3600	230/460	213TC	170	Y752FTSA22A-P	18.8/9.4	88.5	1, 10	MCTFCE	\$1,077
7.5	3600	575	213TC	170	Y752FTSC22A-P	7.52	88.5	1, 10	MCTFCE	\$1,077
7.5	1800	230/460	213TC	180	Y754FTSA22A-P	18.9/9.45	89.5	1, 10	MCTFCE	\$1,053
7.5	1800	575	213TC	180	Y754FTSC22A-P	7.6	89.5	1, 10	MCTFCE	\$1,053
7.5	1200	230/460	254TC	258	Y756FTSA22A-P	20/10	89.5	1, 10	MCTFCE	\$1,751
7.5	1200	575	254TC	258	Y756FTSC22A-P	8	89.5	1, 10	MCTFCE	\$1,751
10	3600	230/460	215TC	196	0102FTSA22A-P	24/12	89.5	1, 10	MCTFCE	\$1,254
10	3600	575	215TC	196	0102FTSC22A-P	9.6	89.5	1, 10	MCTFCE	\$1,254
10	1800	230/460	215TC	198	0104FTSA22A-P	25.2/12.6	89.5	1, 10	MCTFCE	\$1,275
10	1800	575	215TC	198	0104FTSC22A-P	10.1	89.5	1, 10	MCTFCE	\$1,275
10	1200	230/460	256TC	310	0106FTSA22A-P	26.6/13.3	89.5	1, 10	MCTFCE	\$2,226
10	1200	575	256TC	310	0106FTSC22A-P	10.6	89.5	1, 10	MCTFCE	\$2,226
15	3600	230/460	254TC	295	0152FTSA22A-P	35.2/17.6	90.2	1, 10	MCTFCE	\$1,738
15	3600	575	254TC	295	0152FTSC22A-P	14.1	90.2	1, 10	MCTFCE	\$1,738
15	1800	230/460	254TC	310	0154FTSA22A-P	36.6/18.3	91.0	1, 10	MCTFCE	\$1,738
15	1800	575	254TC	310	0154FTSC22A-P	14.6	91.0	1, 10	MCTFCE	\$1,738
15	1200	230/460	284TC	427	0156FTSA22A-P	40/20	90.2	1, 10	MCTFCE	\$3,005
15	1200	575	284TC	427	0156FTSC22A-P	16	90.2	1, 10	MCTFCE	\$3,005
20	3600	230/460	256TC	310	0202FTSA22A-P	47/23.5	90.2	1, 10	MCTFCE	\$2,280
20	3600	575	256TC	310	0202FTSC22A-P	18.8	90.2	1, 10	MCTFCE	\$2,280
20	1800	230/460	256TC	340	0204FTSA22A-P	49.2/24.6	91.0	1, 10	MCTFCE	\$2,119
20	1800	575	256TC	340	0204FTSC22A-P	19.7	91.0	1, 10	MCTFCE	\$2,119
20	1200	230/460	286TC	427	0206FTSA22A-P	52/26	90.2	1, 10	MCTFCE	\$3,575
20	1200	575	286TC	427	0206FTSC22A-P	20.5	90.2	1, 10	MCTFCE	\$3,575
25	3600	230/460	284TSC	409	0252FTSA22B-P	59/29.5	91.0	1, 10	MCTFCE	\$2,731
25	3600	575	284TSC	409	0252FTSC22B-P	23.6	91.0	1, 10	MCTFCE	\$2,731
25	1800	230/460	284TC	427	0254FTSA22A-P	62/31	92.4	1, 10	MCTFCE	\$2,562
25	1800	575	284TC	427	0254FTSC22A-P	24.8	92.4	1, 10	MCTFCE	\$2,562
25	1200	230/460	324TC	593	0256FTSA22A-P	62/31	91.7	1, 10	MCTFCE	\$4,345
25	1200	575	324TC	593	0256FTSC22A-P	24.8	91.7	1, 10	MCTFCE	\$4,345
30	3600	230/460	286TSC	465	0302FTSA22B-P	70/35	91.0	1, 10	MCTFCE	\$3,110
30	3600	575	286TSC	465	0302FTSC22B-P	28	91.0	1, 10	MCTFCE	\$3,110
30	1800	230/460	286TC	475	0304FTSA22A-P	73/36.5	92.4	1, 10	MCTFCE	\$3,110
30	1800	575	286TC	475	0304FTSC22A-P	29.2	92.4	1, 10	MCTFCE	\$3,110
30	1200	230/460	326TC	593	0306FTSA22A-P	72/36	91.7	1, 10	MCTFCE	\$5,168
30	1200	575	326TC	593	0306FTSC22A-P	28.8	91.7	1, 10	MCTFCE	\$5,168
40	3600	230/460	324TSC	514	0402FTSA22B-P	96/48	91.7	1, 10	MCTFCE	\$3,997
40	3600	575	324TSC	514	0402FTSC22B-P	38.4	91.7	1, 10	MCTFCE	\$3,997
40	1800	230/460	324TC	593	0404FTSA22A-P	96/48	93.0	1, 10	MCTFCE	\$3,955
40	1800	575	324TC	593	0404FTSC22A-P	38.4	93.0	1, 10	MCTFCE	\$3,955
40	1200	230/460	364TC	714	0406FTSA22A-P	95.6/47.8	93.0	1, 10	MCTFCE	\$6,770
40	1200	575	364TC	714	0406FTSC22A-P	38.2	93.0	1, 10	MCTFCE	\$6,770
50	3600	230/460	326TSC	630	0502FTSA22B-P	120/60	92.4	1, 10	MCTFCE	\$5,327
50	3600	575	326TSC	630	0502FTSC22B-P	48	92.4	1, 10	MCTFCE	\$5,327
50	1800	230/460	326TC	634	0504FTSA22A-P	118/59	93.0	1, 10	MCTFCE	\$5,053
50	1800	575	326TC	634	0504FTSC22A-P	47.2	93.0	1, 10	MCTFCE	\$5,053

Totally Enclosed Fan Cooled C-Face Footed EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
50	1200	230/460	365TC	771	0506FTSA22A-P	116/58	93.0	1, 10	MCTFCE	\$7,921
50	1200	575	365TC	771	0506FTSC22A-P	46.4	93.0	1, 10	MCTFCE	\$7,921
60	3600	230/460	364TSC	730	0602FTSA22B-P	137/68.5	93.0	1, 10	MCTFCE	\$7,593
60	3600	575	364TSC	730	0602FTSC22B-P	54.8	93.0	1, 10	MCTFCE	\$7,593
60	1800	230/460	364TC	781	0604FTSA22A-P	144/72	93.6	1, 10	MCTFCE	\$7,045
60	1800	575	364TC	781	0604FTSC22A-P	57.6	93.6	1, 10	MCTFCE	\$7,045
75	3600	230/460	365TSC	773	0752FTSA22B-P	166/83	93.0	1, 10	MCTFCE	\$9,144
75	3600	575	365TSC	773	0752FTSC22B-P	68	93.0	1, 10	MCTFCE	\$9,144
75	1800	230/460	365TC	839	0754FTSA22A-P	178/89	94.1	1, 10	MCTFCE	\$8,914
75	1800	575	365TC	839	0754FTSC22A-P	71.2	94.1	1, 10	MCTFCE	\$8,914

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Appendices

Totally Enclosed Fan Cooled C-Face Footless EPACT Efficiency

The general purpose CT, totally enclosed fan cooled, EPACT efficiency, C-Face Footless motor series encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba. This product line meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143TC	49	0014FTSA24A-P	2.9/1.45	82.5	1	MCTFCE	\$471
1	1800	575	143TC	49	0014FTSC24A-P	1.15	82.5	1	MCTFCE	\$471
1	1200	230/460	145TC	53	0016FTSA24A-P	3.4/1.7	80.0	1	MCTFCE	\$568
1	1200	575	145TC	53	0016FTSC24A-P	1.4	80.0	1	MCTFCE	\$568
1.5	3600	230/460	143TC	53	Y152FTSA24A-P	4.4/2.2	82.5	1	MCTFCE	\$496
1.5	3600	575	143TC	53	Y152FTSC24A-P	1.8	82.5	1	MCTFCE	\$496
1.5	1800	230/460	145TC	62	Y154FTSA24A-P	4.2/2.1	84.0	1	MCTFCE	\$496
1.5	1800	575	145TC	62	Y154FTSC24A-P	1.7	84.0	1	MCTFCE	\$496
1.5	1200	230/460	182TC	99	Y156FTSA24A-P	4.6/2.3	85.5	1	MCTFCE	\$634
1.5	1200	575	182TC	99	Y156FTSC24A-P	1.84	85.5	1	MCTFCE	\$634
2	3600	230/460	145TC	61	0022FTSA24A-P	5.2/2.6	84.0	1	MCTFCE	\$580
2	3600	575	145TC	61	0022FTSC24A-P	2.1	84.0	1	MCTFCE	\$580
2	1800	230/460	145TC	62	0024FTSA24A-P	5.6/2.8	84.0	1	MCTFCE	\$548
2	1800	575	145TC	62	0024FTSC24A-P	2.2	84.0	1	MCTFCE	\$548
2	1200	230/460	184TC	91	0026FTSA24A-P	6.2/3.1	86.5	1	MCTFCE	\$718
2	1200	575	184TC	91	0026FTSC24A-P	2.48	86.5	1	MCTFCE	\$718
3	3600	230/460	182TC	88	0032FTSA24A-P	7.2/3.6	85.5	1	MCTFCE	\$666
3	3600	575	182TC	88	0032FTSC24A-P	2.88	85.5	1	MCTFCE	\$666
3	1800	230/460	182TC	100	0034FTSA24A-P	8/4	87.5	1	MCTFCE	\$634
3	1800	575	182TC	100	0034FTSC24A-P	3.2	87.5	1	MCTFCE	\$634
3	1200	230/460	213TC	180	0036FTSA24A-P	8.9/4.45	87.5	1	MCTFCE	\$916
3	1200	575	213TC	180	0036FTSC24A-P	3.6	87.5	1	MCTFCE	\$916
5	3600	230/460	184TC	101	0052FTSA24A-P	11.8/5.9	87.5	1	MCTFCE	\$823
5	3600	575	184TC	101	0052FTSC24A-P	4.72	87.5	1	MCTFCE	\$823
5	1800	230/460	184TC	112	0054FTSA24A-P	12.8/6.4	87.5	1	MCTFCE	\$737
5	1800	575	184TC	112	0054FTSC24A-P	5.12	85.5	1	MCTFCE	\$737
5	1200	230/460	215TC	206	0056FTSA24A-P	14.6/7.3	87.5	1	MCTFCE	\$1,307
5	1200	575	215TC	206	0056FTSC24A-P	5.84	87.5	1	MCTFCE	\$1,307

Totally Enclosed Fan Cooled C-Face Footless EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213TC	175	Y752FTSA24A-P	18.8/9.4	88.5	1	MCTFCE	\$1,077
7.5	3600	575	213TC	175	Y752FTSC24A-P	7.52	88.5	1	MCTFCE	\$1,077
7.5	1800	230/460	213TC	179	Y754FTSA24A-P	18.9/9.45	89.5	1	MCTFCE	\$1,053
7.5	1800	575	213TC	179	Y754FTSC24A-P	7.6	89.5	1	MCTFCE	\$1,053
7.5	1200	230/460	254TC	310	Y756FTSA24A-P	20/10	89.5	1	MCTFCE	\$1,751
7.5	1200	575	254TC	310	Y756FTSC24A-P	8	89.5	1	MCTFCE	\$1,751
10	3600	230/460	215TC	195	0102FTSA24A-P	24/12	89.5	1	MCTFCE	\$1,254
10	3600	575	215TC	195	0102FTSC24A-P	9.6	89.5	1	MCTFCE	\$1,254
10	1800	230/460	215TC	201	0104FTSA24A-P	25.2/12.6	89.5	1	MCTFCE	\$1,275
10	1800	575	215TC	201	0104FTSC24A-P	10.1	89.5	1	MCTFCE	\$1,275
10	1200	230/460	256TC	315	0106FTSA24A-P	26.6/13.3	89.5	1	MCTFCE	\$2,226
10	1200	575	256TC	315	0106FTSC24A-P	10.6	89.5	1	MCTFCE	\$2,226
15	3600	230/460	254TC	290	0152FTSA24A-P	35.2/17.6	90.2	1	MCTFCE	\$1,738
15	3600	575	254TC	290	0152FTSC24A-P	14.1	90.2	1	MCTFCE	\$1,738
15	1800	230/460	254TC	280	0154FTSA24A-P	36.6/18.3	91.0	1	MCTFCE	\$1,738
15	1800	575	254TC	280	0154FTSC24A-P	14.6	91.0	1	MCTFCE	\$1,738
15	1200	230/460	284TC	425	0156FTSA24A-P	40/20	90.2	1	MCTFCE	\$3,005
15	1200	575	284TC	425	0156FTSC24A-P	16	90.2	1	MCTFCE	\$3,005
20	3600	230/460	256TC	340	0202FTSA24A-P	47/23.5	90.2	1	MCTFCE	\$2,280
20	3600	575	256TC	340	0202FTSC24A-P	18.8	90.2	1	MCTFCE	\$2,280
20	1800	230/460	256TC	327	0204FTSA24A-P	49.2/24.6	91.0	1	MCTFCE	\$2,119
20	1800	575	256TC	327	0204FTSC24A-P	19.7	91.0	1	MCTFCE	\$2,119
20	1200	230/460	286TC	427	0206FTSA24A-P	52/26	90.2	1	MCTFCE	\$3,575
20	1200	575	286TC	427	0206FTSC24A-P	20.5	90.2	1	MCTFCE	\$3,575
25	3600	230/460	284TSC	409	0252FTSA24B-P	59/29.5	91.0	1	MCTFCE	\$2,731
25	3600	575	284TSC	409	0252FTSC24B-P	23.6	91.0	1	MCTFCE	\$2,731
25	1800	230/460	284TC	427	0254FTSA24A-P	62/31	92.4	1	MCTFCE	\$2,562
25	1800	575	284TC	427	0254FTSC24A-P	24.8	92.4	1	MCTFCE	\$2,562
25	1200	230/460	324TC	593	0256FTSA24A-P	62/31	91.7	1	MCTFCE	\$4,345
25	1200	575	324TC	593	0256FTSC24A-P	24.8	91.7	1	MCTFCE	\$4,345
30	3600	230/460	286TSC	432	0302FTSA24B-P	70/35	91.0	1	MCTFCE	\$3,110
30	3600	575	286TSC	432	0302FTSC24B-P	28	91.0	1	MCTFCE	\$3,110
30	1800	230/460	286TC	495	0304FTSA24A-P	73/36.5	92.4	1	MCTFCE	\$3,110
30	1800	575	286TC	495	0304FTSC24A-P	29.2	92.4	1	MCTFCE	\$3,110
30	1200	230/460	326TC	593	0306FTSA24A-P	72/36	91.7	1	MCTFCE	\$5,168
30	1200	575	326TC	593	0306FTSC24A-P	28.8	91.7	1	MCTFCE	\$5,168
40	3600	230/460	324TSC	527	0402FTSA24B-P	96/48	91.7	1	MCTFCE	\$3,997
40	3600	575	324TSC	527	0402FTSC24B-P	38.4	91.7	1	MCTFCE	\$3,997
40	1800	230/460	324TC	593	0404FTSA24A-P	96/48	93.0	1	MCTFCE	\$3,955
40	1800	575	324TC	593	0404FTSC24A-P	38.4	93.0	1	MCTFCE	\$3,955
40	1200	230/460	364TC	714	0406FTSA24A-P	95.6/47.8	93.0	1	MCTFCE	\$6,770
40	1200	575	364TC	714	0406FTSC24A-P	38.2	93.0	1	MCTFCE	\$6,770
50	3600	230/460	326TSC	593	0502FTSA24B-P	120/60	92.4	1	MCTFCE	\$5,327
50	3600	575	326TSC	593	0502FTSC24B-P	48	92.4	1	MCTFCE	\$5,327
50	1800	230/460	326TC	634	0504FTSA24A-P	118/59	93.0	1	MCTFCE	\$5,053
50	1800	575	326TC	634	0504FTSC24A-P	47.2	93.0	1	MCTFCE	\$5,053
50	1200	230/460	365TC	662	0506FTSA24A-P	116/58	93.0	1	MCTFCE	\$7,921

LV General Purpose CT
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**Totally Enclosed Fan Cooled
C-Face Footless
EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1200	575	365TC	662	0506FTSC24A-P	46.4	93.0	1	MCTFCE	\$7,921
60	3600	230/460	364TSC	774	0602FTSA24B-P	137/68.5	93.0	1	MCTFCE	\$7,593
60	3600	575	364TSC	774	0602FTSC24B-P	54.8	93.0	1	MCTFCE	\$7,593
60	1800	230/460	364TC	845	0604FTSA24A-P	144/72	93.6	1	MCTFCE	\$7,045
60	1800	575	364TC	845	0604FTSC24A-P	57.6	93.6	1	MCTFCE	\$7,045
75	3600	230/460	365TSC	793	0752FTSA24B-P	166/83	93.0	1	MCTFCE	\$9,144
75	3600	575	365TSC	793	0752FTSC24B-P	68	93.0	1	MCTFCE	\$9,144
75	1800	230/460	365TC	950	0754FTSA24A-P	178/89	94.1	1	MCTFCE	\$8,914
75	1800	575	365TC	950	0754FTSC24A-P	71.2	94.1	1	MCTFCE	\$8,914

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

General Purpose CT Series



Totally Enclosed Explosion Proof Motors

Toshiba's general purpose CT, totally enclosed explosion proof, EPACT efficiency motors offer the performance and reliability the motor industry has come to expect from Toshiba, but at a very competitive price. These motors meet the UL and CSA Listed Hazardous Locations requirements and designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G. All CT Explosion Proof motors carry a temperature code rating of T3C (160°C), are suitable for indoor and outdoor use, and meet the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.

Standard Features:

- Totally Enclosed Explosion Proof
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 1.15 Service Factor
- 60 Hz
- NEMA Design B
- Class I, Division 1, Group D, Class II, Division 1, Groups E, F, & G
- T3C Temperature Code 160°C
- Class F Insulation
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Non-Sparking Brass Shaft Slingers
- IP55 Protection
- Normally Closed Thermostats
- Ball Bearings on All Motors
- UL Listed File No. E97127
- CSA Certified File No. 058484

Applications:

- Petrochemical & Gas
- Grain & Feed Mills
- Pharmaceuticals
- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- UL & CSA Listed Hazardous Locations

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



Totally Enclosed Explosion Proof EPACT Efficiency



The general purpose CT, totally enclosed explosion proof, EPACT efficiency motor series is designed to meet the UL and CSA Listed Hazardous Locations requirements. It is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G, and carries a temperature code rating of T3C (160°C). This product line is suitable for indoor and outdoor use and offers the performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price.



Product Scope

Horsepower:	1 to 200 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Explosion Proof
Frame Size:	143T through 447T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	79	0014XPEA21A-P	2.9/1.45	82.5	1, 10	MCTXPE	\$726
1	1800	575	143T	79	0014XPEC21A-P	1.16	82.5	1, 10	MCTXPE	\$726
1	1200	230/460	145T	90	0016XPEA21A-P	3.4/1.7	80.0	1, 10	MCTXPE	\$840
1	1200	575	145T	90	0016XPEC21A-P	1.4	80.0	1, 10	MCTXPE	\$840
1.5	3600	230/460	143T	83	Y152XPEA21A-P	4.0/2.0	82.5	1, 10	MCTXPE	\$826
1.5	3600	575	143T	83	Y152XPEC21A-P	1.8	82.5	1, 10	MCTXPE	\$826
1.5	1800	230/460	145T	88	Y154XPEA21A-P	4.2/2.1	84.0	1, 10	MCTXPE	\$816
1.5	1800	575	145T	88	Y154XPEC21A-P	1.7	84.0	1, 10	MCTXPE	\$816
1.5	1200	230/460	182T	142	Y156XPEA21A-P	4.6/2.3	85.5	1, 10	MCTXPE	\$911
1.5	1200	575	182T	142	Y156XPEC21A-P	1.84	85.5	1, 10	MCTXPE	\$911
2	3600	230/460	145T	94	0022XPEA21A-P	6.0/3.0	84.0	1, 10	MCTXPE	\$854
2	3600	575	145T	94	0022XPSC21A-P	2.1	84.0	1, 10	MCTXPE	\$854
2	1800	230/460	145T	90	0024XPEA21A-P	5.6/2.8	84.0	1, 10	MCTXPE	\$822
2	1800	575	145T	90	0024XPSC21A-P	2.2	84.0	1, 10	MCTXPE	\$822
2	1200	230/460	184T	164	0026XPEA21A-P	6.2/3.1	86.5	1, 10	MCTXPE	\$1,053
2	1200	575	184T	164	0026XPSC21A-P	2.48	86.5	1, 10	MCTXPE	\$1,053
3	3600	230/460	182T	135	0032XPEA21A-P	7.2/3.6	85.5	1, 10	MCTXPE	\$985
3	3600	575	182T	135	0032XPEC21A-P	2.88	85.5	1, 10	MCTXPE	\$985
3	1800	230/460	182T	140	0034XPEA21A-P	8.0/4.0	87.5	1, 10	MCTXPE	\$989
3	1800	575	182T	140	0034XPEC21A-P	3.2	87.5	1, 10	MCTXPE	\$989
3	1200	230/460	213T	236	0036XPEA21A-P	8.9/4.45	87.5	1, 10	MCTXPE	\$1,332
3	1200	575	213T	236	0036XPEC21A-P	3.6	87.5	1, 10	MCTXPE	\$1,332

**Totally Enclosed
Explosion Proof
EPACT Efficiency**



LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	3600	230/460	184T	151	0052XPEA21A-P	11.8/5.9	87.5	1, 10	MCTXPE	\$1,216
5	3600	575	184T	151	0052XPEC21A-P	4.72	87.5	1, 10	MCTXPE	\$1,216
5	1800	230/460	184T	162	0054XPEA21A-P	12.8/6.4	87.5	1, 10	MCTXPE	\$1,145
5	1800	575	184T	162	0054XPEC21A-P	5.12	87.5	1, 10	MCTXPE	\$1,145
5	1200	230/460	215T	281	0056XPEA21A-P	14.6/7.3	87.5	1, 10	MCTXPE	\$1,715
5	1200	575	215T	281	0056XPEC21A-P	5.84	87.5	1, 10	MCTXPE	\$1,715
7.5	3600	230/460	213T	256	Y752XPEA21A-P	18.8/9.4	88.5	1, 10	MCTXPE	\$1,647
7.5	3600	575	213T	256	Y752XPEC21A-P	7.52	88.5	1, 10	MCTXPE	\$1,647
7.5	1800	230/460	213T	246	Y754XPEA21A-P	18.9/9.45	89.5	1, 10	MCTXPE	\$1,611
7.5	1800	575	213T	246	Y754XPEC21A-P	7.6	89.5	1, 10	MCTXPE	\$1,611
7.5	1200	230/460	254T	356	Y756XPEA21A-P	20/10	89.5	1, 10	MCTXPE	\$2,239
7.5	1200	575	254T	356	Y756XPEC21A-P	8	89.5	1, 10	MCTXPE	\$2,239
10	3600	230/460	215T	267	0102XPEA21A-P	24/12	89.5	1, 10	MCTXPE	\$1,735
10	3600	575	215T	267	0102XPEC21A-P	9.6	89.5	1, 10	MCTXPE	\$1,735
10	1800	230/460	215T	279	0104XPEA21A-P	25.2/12.6	89.5	1, 10	MCTXPE	\$1,878
10	1800	575	215T	279	0104XPEC21A-P	10.1	89.5	1, 10	MCTXPE	\$1,878
10	1200	230/460	256T	428	0106XPEA21A-P	26.6/13.3	89.5	1, 10	MCTXPE	\$2,743
10	1200	575	256T	428	0106XPEC21A-P	10.6	89.5	1, 10	MCTXPE	\$2,743
15	3600	230/460	254T	401	0152XPEA21A-P	35.2/17.6	90.2	1, 10	MCTXPE	\$2,257
15	3600	575	254T	401	0152XPEC21A-P	14.1	90.2	1, 10	MCTXPE	\$2,257
15	1800	230/460	254T	383	0154XPEA21A-P	36.6/18.3	91.0	1, 10	MCTXPE	\$2,578
15	1800	575	254T	383	0154XPEC21A-P	14.6	91.0	1, 10	MCTXPE	\$2,578
15	1200	230/460	284T	557	0156XPEA21A-P	40/20	90.2	1, 10	MCTXPE	\$3,744
15	1200	575	284T	557	0156XPEC21A-P	16	90.2	1, 10	MCTXPE	\$3,744
20	3600	230/460	256T	454	0202XPEA21A-P	47/23.5	90.2	1, 10	MCTXPE	\$3,042
20	3600	575	256T	454	0202XPEC21A-P	18.8	90.2	1, 10	MCTXPE	\$3,042
20	1800	230/460	256T	421	0204XPEA21A-P	49.2/24.6	91.0	1, 10	MCTXPE	\$3,017
20	1800	575	256T	421	0204XPEC21A-P	19.7	91.0	1, 10	MCTXPE	\$3,017
20	1200	230/460	286T	615	0206XPEA21A-P	52/26	90.2	1, 10	MCTXPE	\$4,442
20	1200	575	286T	615	0206XPEC21A-P	20.5	90.2	1, 10	MCTXPE	\$4,442
25	3600	230/460	284TS	587	0252XPEA21B-P	59/29.5	91.0	1, 10	MCTXPE	\$3,740
25	3600	575	284TS	587	0252XPEC21B-P	23.6	91.0	1, 10	MCTXPE	\$3,740
25	1800	230/460	284T	595	0254XPEA21A-P	62/31	92.4	1, 10	MCTXPE	\$3,874
25	1800	575	284T	595	0254XPEC21A-P	24.8	92.4	1, 10	MCTXPE	\$3,874
25	1200	230/460	324T	770	0256XPEA21A-P	62/31	91.7	1, 10	MCTXPE	\$5,315
25	1200	575	324T	770	0256XPEC21A-P	24.8	91.7	1, 10	MCTXPE	\$5,315
30	3600	230/460	286TS	624	0302XPEA21B-P	70/35	91.0	1, 10	MCTXPE	\$4,207
30	3600	575	286TS	624	0302XPEC21B-P	28	91.0	1, 10	MCTXPE	\$4,207
30	1800	230/460	286T	617	0304XPEA21A-P	73/36.5	92.4	1, 10	MCTXPE	\$4,197
30	1800	575	286T	617	0304XPEC21A-P	29.2	92.4	1, 10	MCTXPE	\$4,197
30	1200	230/460	326T	842	0306XPEA21A-P	72/36	91.7	1, 10	MCTXPE	\$6,367
30	1200	575	326T	842	0306XPEC21A-P	28.8	91.7	1, 10	MCTXPE	\$6,367
40	3600	230/460	324TS	809	0402XPEA21B-P	96/48	91.7	1, 10	MCTXPE	\$5,933
40	3600	575	324TS	809	0402XPEC21B-P	38.4	91.7	1, 10	MCTXPE	\$5,933
40	1800	230/460	324T	807	0404XPEA21A-P	96/48	93.0	1, 10	MCTXPE	\$5,941
40	1800	575	324T	807	0404XPEC21A-P	38.4	93.0	1, 10	MCTXPE	\$5,941
40	1200	230/460	364T	1011	0406XPEA21A-P	95.6/47.8	93.0	1, 10	MCTXPE	\$8,371
40	1200	575	364T	1011	0406XPEC21A-P	38.2	93.0	1, 10	MCTXPE	\$8,371

**Totally Enclosed
Explosion Proof
EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	3600	230/460	326TS	872	0502XPEA21B-P	120/60	92.4	1, 10	MCTXPE	\$7,440
50	3600	575	326TS	872	0502XPEC21B-P	48	92.4	1, 10	MCTXPE	\$7,440
50	1800	230/460	326T	892	0504XPEA21A-P	118/59	93.0	1, 10	MCTXPE	\$6,874
50	1800	575	326T	892	0504XPEC21A-P	47.2	93.0	1, 10	MCTXPE	\$6,874
50	1200	230/460	365T	1127	0506XPEA21A-P	116/58	93.0	1, 10	MCTXPE	\$8,451
50	1200	575	365T	1127	0506XPEC21A-P	46.4	93.0	1, 10	MCTXPE	\$8,451
60	3600	230/460	364TS	1082	0602XPEA21B-P	137/68.5	93.0	1, 10	MCTXPE	\$8,813
60	3600	575	364TS	1082	0602XPEC21B-P	54.8	93.0	1, 10	MCTXPE	\$8,813
60	1800	230/460	364T	1123	0604XPEA21A-P	144/72	93.6	1, 10	MCTXPE	\$8,789
60	1800	575	364T	1123	0604XPEC21A-P	57.6	93.6	1, 10	MCTXPE	\$8,789
60	1200	230/460	404T	1428	0606XPEA21A-P	140/70	93.6	1, 10	MCTXPE	\$12,258
60	1200	575	404T	1428	0606XPEC21A-P	56	93.6	1, 10	MCTXPE	\$12,258
75	3600	230/460	365TS	1168	0752XPEA21B-P	166/83	93.0	1, 10	MCTXPE	\$10,486
75	3600	575	365TS	1168	0752XPEC21B-P	68	93.0	1, 10	MCTXPE	\$10,486
75	1800	230/460	365T	1214	0754XPEA21A-P	178/89	94.1	1, 10	MCTXPE	\$10,300
75	1800	575	365T	1214	0754XPEC21A-P	71.2	94.1	1, 10	MCTXPE	\$10,300
75	1200	230/460	405T	1690	0756XPEA21A-P	174/87	93.6	1, 10	MCTXPE	\$14,399
75	1200	575	405T	1690	0756XPEC21A-P	69.6	93.6	1, 10	MCTXPE	\$14,399
100	3600	230/460	405TS	1674	1002XPEA21B-P	230/115	93.6	1, 10	MCTXPE	\$16,239
100	3600	575	405TS	1674	1002XPEC21B-P	92	93.6	1, 10	MCTXPE	\$16,239
100	1800	230/460	405T	1689	1004XPEA21A-P	242/121	94.5	1, 10	MCTXPE	\$13,996
100	1800	575	405T	1689	1004XPEC21A-P	96.8	94.5	1, 10	MCTXPE	\$13,996
100	1200	230/460	444T	2175	1006XPEA21A-P	244/122	94.1	1, 10	MCTXPE	\$19,038
100	1200	575	444T	2175	1006XPEC21A-P	97.6	94.1	1, 10	MCTXPE	\$19,038
125	3600	230/460	444TS	2194	1252XPEA21B-P	292/146	94.5	1, 10	MCTXPE	\$21,593
125	3600	575	444TS	2194	1252XPEC21B-P	117	94.5	1, 10	MCTXPE	\$21,593
125	1800	230/460	444T	2234	1254XPEA21A-P	290/145	94.5	1, 10	MCTXPE	\$19,490
125	1800	575	444T	2234	1254XPEC21A-P	116	94.5	1, 10	MCTXPE	\$19,490
125	1200	230/460	445T	2546	1256XPEA21A-P	302/151	94.1	1, 10	MCTXPE	\$24,637
125	1200	575	445T	2546	1256XPEC21A-P	121	94.1	1, 10	MCTXPE	\$24,637
150	3600	230/460	445TS	2291	1502XPEA21B-P	346/173	94.5	1, 10	MCTXPE	\$24,366
150	3600	575	445TS	2291	1502XPEC21B-P	138	94.5	1, 10	MCTXPE	\$24,366
150	1800	230/460	445T	2470	1504XPEA21A-P	338/169	95.0	1, 10	MCTXPE	\$23,248
150	1800	575	445T	2470	1504XPEC21A-P	135	95.0	1, 10	MCTXPE	\$23,248
150	1200	460	447T	3022	1506XPEB21A-P	358/179	95.0	1, 10	MCTXPE	\$27,356
150	1200	575	447T	3022	1506XPEC21A-P	143	95.0	1, 10	MCTXPE	\$27,356
200	3600	460	447TSS	2990	2002XPEB21B-P	456/228	95.0	1, 10	MCTXPE	\$28,062
200	3600	575	447TSS	2990	2002XPEC21B-P	182	95.0	1, 10	MCTXPE	\$28,062
200	1800	460	447T	3141	2004XPEB21A-P	452/226	95.0	1, 10	MCTXPE	\$26,473
200	1800	575	447T	3141	2004XPEC21A-P	180	95.0	1, 10	MCTXPE	\$26,473

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

General Purpose XT Series

Open Drip Proof Motors

XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

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Toshiba's general purpose XT, open drip proof motors are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These motors offer some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is recommended for indoor use. Our general purpose, XT open drip proof motors are available in High Efficiency, EPACT Efficiency, and our NEMA Premium® Efficiency motor option, the EQPIII.

Standard Features:

- Open Drip Proof
- High, EPACT, & NEMA Premium® Efficiency
- 230/460, 460, or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- Stamped Steel Conduit Box
- Cast Iron Frame
- Cast Iron Brackets
- Ball Bearing 143T through 405T
- Roller Bearing on All 444T & Above, 4 & 6-Pole
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

3 Year Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

High/EPACT

- From Date of Shipment: 24 Months

Premium

- From Date of Shipment: 36 Months



Open Drip Proof High Efficiency

Toshiba's general purpose XT, open drip proof, High Efficiency motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. This product line offers a high torque and low vibration design leading to longer life and greater reliability.

XT



Product Scope

Horsepower: 250 to 800 HP
 Speed: 3600, 1800, or 1200 RPM (250 to 800 HP)
 900 RPM (250 to 500 HP)
 Voltage: 230/460, 460, or 575 V
 Enclosure: Open Drip Proof
 Frame Size: 143T through 5810US
 Construction: Cast Iron
 Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	230/460	445TS	1517	B2502VLG3UM	570/285	94.1	10	MXTDPS	\$25,361
250	3600	575	445TS	1517	B2502VLG3OS	228	94.1	10	MXTDPS	\$25,361
250	1800	460	447TS	1721	B2504VLG3BM	285	93.6	10	MXTDPS	\$22,406
250	1800	575	447TS	1721	B2504VLG3OM	228	93.6	10	MXTDPS	\$22,406
250	1800	460	447T	1721	B2504VLF4BM	285	93.6	2, 10	MXTDPS	\$22,406
250	1800	575	447T	1721	B2504VLF4OM	228	93.6	2, 10	MXTDPS	\$22,406
250	1200	460	449T	2575	B2506VLF4BME	302	95.0	2, 10	MXTDPS	\$24,801
250	1200	575	449T	2500	B2506VLF4OME	235	95.0	2, 10	MXTDPS	\$24,801
250	1200	460	505US	2072	B2506VLG3BM	309	94.1	10	MXTDPS	\$26,590
250	1200	575	505US	2072	B2506VLG3OM	247	94.1	10	MXTDPS	\$26,590
250	1200	460	505UZ	2072	B2506VLF4BM	309	94.1	2, 10	MXTDPS	\$30,133
250	1200	575	505UZ	2072	B2506VLF4OM	247	94.1	2, 10	MXTDPS	\$30,133
250	900	460	507US	2675	B2508VLG3BM	309	93.6		MXTDPS	\$36,141
250	900	575	507US	2675	B2508VLG3OM	247	93.6		MXTDPS	\$36,141
250	900	460	507UZ	2675	B2508VLF4BD	309	93.6	2	MXTDPS	\$39,685
250	900	575	507UZ	2675	B2508VLF4OD	247	93.6	2	MXTDPS	\$39,685
300	3600	460	445TS	1639	B3002VLG3BM	340	94.5	10	MXTDPS	\$29,783
300	3600	575	445TS	1639	B3002VLG3OM	272	94.5	10	MXTDPS	\$29,783
300	1800	460	447TS	1770	B3004VLG3BM	340	94.5	10	MXTDPS	\$24,855
300	1800	575	447TS	1770	B3004VLG3OM	272	94.5	10	MXTDPS	\$24,855
300	1800	460	447T	1770	B3004VLF4BM	340	94.5	2, 10	MXTDPS	\$24,855
300	1800	575	447T	1770	B3004VLF4OM	272	94.5	2, 10	MXTDPS	\$24,855
300	1200	460	449TS	2510	B3006VKG3BME	358	95.4	10	MXTDPS	\$28,800
300	1200	575	449TS	2510	B3006VKG3OME	285	95.4	10	MXTDPS	\$28,800
300	1200	460	449T	2575	B3006VKF4BME	358	95.4	2, 10	MXTDPS	\$28,800
300	1200	575	449T	2510	B3006VKF4OME	285	95.4	2, 10	MXTDPS	\$28,800

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Open Drip Proof High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	1200	460	507US	2474	B3006VLG3BM	360	95.0	10	MXTDPS	\$30,877
300	1200	575	507US	2474	B3006VLG3OM	288	95.0	10	MXTDPS	\$30,877
300	1200	460	507UZ	2474	B3006VLF4BM	360	95.0	2, 10	MXTDPS	\$34,421
300	1200	575	507UZ	2474	B3006VLF4OM	288	95.0	2, 10	MXTDPS	\$34,421
300	900	460	509US	3250	F3008VLG3BM	368	94.1		MXTDPS	\$39,375
300	900	575	509US	3250	F3008VLG3OM	295	94.1		MXTDPS	\$39,375
300	900	460	509UZ	3250	F3008VLF4BM	368	94.1	2	MXTDPS	\$42,918
300	900	575	509UZ	3250	F3008VLF4OM	295	94.1	2	MXTDPS	\$42,918
350	3600	460	447TS	1864	B3502VLG3BM	390	94.5	10	MXTDPS	\$34,114
350	3600	575	447TS	1864	B3502VLG3OM	312	94.5	10	MXTDPS	\$34,114
350	1800	460	449TS	2695	B3504VLG3BME	283	95.0	10	MXTDPS	\$27,433
350	1800	575	449TS	2695	B3504VLG3OME	296	95.0	10	MXTDPS	\$27,433
350	1800	460	449T	2520	B3504VLF4BME	382	95.0	2, 10	MXTDPS	\$27,433
350	1800	575	449T	2520	B3504VLF4OME	296	95.0	2, 10	MXTDPS	\$27,433
350	1800	460	505US	2054	B3504VLG3BM	395	94.1	10	MXTDPS	\$29,413
350	1800	575	505US	2054	B3504VLG3OM	316	94.1	10	MXTDPS	\$29,413
350	1800	460	505UZ	2054	B3504VLF4BM	395	94.1	2, 10	MXTDPS	\$32,956
350	1800	575	505UZ	2054	B3504VLF4OM	316	94.1	2, 10	MXTDPS	\$32,956
350	1200	460	509US		B3506VLG3BM	406	95.0	10	MXTDPS	\$31,650
350	1200	575	509US		B3506VLG3OM	325	95.0	10	MXTDPS	\$31,650
350	1200	460	509UZ		B3506VLF4BM	406	95.0	2, 10	MXTDPS	\$35,194
350	1200	575	509UZ		B3506VLF4OM	325	95.0	2, 10	MXTDPS	\$35,194
350	900	460	509US		F3508VLG3BM	435	94.1		MXTDPS	\$45,937
350	900	575	509US		F3508VLG3OM	348	94.1		MXTDPS	\$45,937
350	900	460	509UZ		F3508VLF4BM	435	94.1	2	MXTDPS	\$49,481
350	900	575	509UZ		F3508VLF4OM	348	94.1	2	MXTDPS	\$49,481
400	3600	460	447TS	2003	B4002VLG3BM	445	94.5	10	MXTDPS	\$38,817
400	3600	575	447TS	2003	B4002VLG3OM	356	94.5	10	MXTDPS	\$38,817
400	1800	460	449TS	2785	B4004VLG3BME	436	95.0	10	MXTDPS	\$29,112
400	1800	575	449TS	2785	B4004VLG3OME	339	95.0	10	MXTDPS	\$29,112
400	1800	460	449T	2785	B4004VLF4BME	436	95.0	2, 10	MXTDPS	\$29,112
400	1800	575	449T	2785	B4004VLF4OME	339	95.0	2, 10	MXTDPS	\$29,112
400	1800	460	505US	2171	B4004VLG3BM	450	95.0	10	MXTDPS	\$31,213
400	1800	575	505US	2171	B4004VLG3OM	360	95.0	10	MXTDPS	\$31,213
400	1800	460	505UZ	2171	B4004VLF4BM	450	95.0	2, 10	MXTDPS	\$34,757
400	1800	575	505UZ	2171	B4004VLF4OM	360	95.0	2, 10	MXTDPS	\$34,757
400	1200	460	509US		F4006VLG3BM	464	95.0		MXTDPS	\$47,250
400	1200	575	509US		F4006VLG3OM	371	95.0		MXTDPS	\$47,250
400	1200	460	509UZ		F4006VLF4BM	464	95.0	2	MXTDPS	\$50,793
400	1200	575	509UZ		F4006VLF4OM	371	95.0	2	MXTDPS	\$50,793
400	900	460	5810US		F4008VLG3BM	577	94.1		MXTDPS	\$52,500
400	900	575	5810US		F4008VLG3OM	462	94.1		MXTDPS	\$52,500
400	900	460	5810UZ		F4008VLF4BM	577	94.1	2	MXTDPS	\$56,043
400	900	575	5810UZ		F4008VLF4OM	462	94.1	2	MXTDPS	\$56,043
450	3600	460	449TS	2440	B4502VLG3BME	498	95.4	10	MXTDPS	\$39,577
450	3600	575	449TS	2440	B4502VLG3OME	394	95.0	10	MXTDPS	\$39,577
450	3600	460	505USS	2156	B4502VLG3BM	505	94.5	10	MXTDPS	\$42,430

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Open Drip Proof High Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	3600	575	505USS	2156	B4502VLG3OM	404	94.5	10	MXTDPS	\$42,430
450	1800	460	449TS	2710	B4504VKG3BME	497	95.4	10	MXTDPS	\$30,457
450	1800	575	449TS	2710	B4504VKG3OME	387	95.4	10	MXTDPS	\$30,457
450	1800	460	449T	2710	B4504VKF4BME	497	95.4	2, 10	MXTDPS	\$30,457
450	1800	575	449T	2710	B4504VKF4OME	387	95.4	2, 10	MXTDPS	\$30,457
450	1800	460	507US		B4504VLG3BM	490	94.5	10	MXTDPS	\$35,038
450	1800	575	507US		B4504VLG3OM	392	94.5	10	MXTDPS	\$35,038
450	1800	460	507UZ	2171	B4504VLF4BM	490	94.5	2, 10	MXTDPS	\$38,582
450	1800	575	507UZ	2171	B4504VLF4OM	392	94.5	2, 10	MXTDPS	\$38,582
450	1200	460	509US		F4506VLG3BM	523	95.4		MXTDPS	\$53,155
450	1200	575	509US		F4506VLG3OM	418	95.4		MXTDPS	\$53,155
450	1200	460	509UZ		F4506VLF4BM	523	95.4	2	MXTDPS	\$56,700
450	1200	575	509UZ		F4506VLF4OM	418	95.4	2	MXTDPS	\$56,700
450	900	460	5810US		F4508VLG3BM	649	94.1		MXTDPS	\$59,062
450	900	575	5810US		F4508VLG3OM	519	94.1		MXTDPS	\$59,062
450	900	460	5810UZ		F4508VLF4BM	649	94.1	2	MXTDPS	\$62,605
450	900	575	5810UZ		F4508VLF4OM	519	94.1	2	MXTDPS	\$62,605
500	3600	460	449TS	2575	B5002VKG3BME	557	95.0	10	MXTDPS	\$43,023
500	3600	575	449TS	2575	B5002VKG3OME	432	95.0	10	MXTDPS	\$43,023
500	3600	460	505USS	2256	B5002VLG3BM	560	94.5	10	MXTDPS	\$46,128
500	3600	575	505USS	2256	B5002VLG3OM	448	94.5	10	MXTDPS	\$46,128
500	1800	460	449TS	2575	B5004VKG3BME	558	95.4	10	MXTDPS	\$42,300
500	1800	575	449TS	2575	B5004VKG3OME	443	95.4	10	MXTDPS	\$42,300
500	1800	460	449T	2575	B5004VKF4BME	558	95.4	2, 10	MXTDPS	\$42,300
500	1800	575	449T	2575	B5004VKF4OME	443	95.4	2, 10	MXTDPS	\$42,300
500	1800	460	509US	3100	B5004VLG3BM	545	95.0	10	MXTDPS	\$46,532
500	1800	575	509US	3100	B5004VLG3OM	436	95.0	10	MXTDPS	\$46,532
500	1800	460	509UZ	3200	B5004VLF4BM	545	95.0	2, 10	MXTDPS	\$50,075
500	1800	575	509UZ	3200	B5004VLF4OM	436	95.0	2, 10	MXTDPS	\$50,075
500	1200	460	5810US		F5006VLG3BM	683	95.8		MXTDPS	\$59,062
500	1200	575	5810US		F5006VLG3OM	546	95.8		MXTDPS	\$59,062
500	1200	460	5810UZ		F5006VLF4BM	683	95.8	2	MXTDPS	\$62,605
500	1200	575	5810UZ		F5006VLF4OM	546	95.8	2	MXTDPS	\$62,605
500	900	460	5810US		F5008VLG3BM	701	94.1		MXTDPS	\$65,625
500	900	575	5810US		F5008VLG3OM	561	94.1		MXTDPS	\$65,625
500	900	460	5810UZ		F5008VLF4BM	701	94.1	2	MXTDPS	\$69,169
500	900	575	5810UZ		F5008VLF4OM	561	94.1	2	MXTDPS	\$69,169
600	3600	460	449TS	2686	B6002VKG3BME	675	95.0		MXTDPS	\$58,722
600	3600	575	449TS	2686	B6002VKG3OME	432	95.0		MXTDPS	\$58,722
600	3600	460	507USS	2722	F6002VLG3BM	665	94.1		MXTDPS	\$64,467
600	3600	575	507USS	2722	F6002VLG3OM	532	94.1		MXTDPS	\$64,467
600	1800	460	509US		F6004VLG3BM	651	95.4		MXTDPS	\$55,124
600	1800	575	509US		F6004VLG3OM	521	95.4		MXTDPS	\$55,124
600	1800	460	509UZ		F6004VLF4BM	651	95.4	2	MXTDPS	\$58,669
600	1800	575	509UZ		F6004VLF4OM	521	95.4	2	MXTDPS	\$58,669
600	1200	460	5810US		F6006VLG3BM	866	95.4		MXTDPS	\$70,875
600	1200	575	5810US		F6006VLG3OM	693	95.4		MXTDPS	\$70,875

Open Drip Proof High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1200	460	5810UZ		F6006VLF4BM	866	95.4	2	MXTDPS	\$74,418
600	1200	575	5810UZ		F6006VLF4OM	693	95.4	2	MXTDPS	\$74,418
700	3600	460	507USS		F7002VKG3BM	770	94.1	3	MXTDPS	\$68,906
700	3600	575	507USS		F7002VKG3OM	616	94.1	3	MXTDPS	\$68,906
700	3600	460	509USS		F7003VLG3BM	756	96.0	4	MXTDPS	\$68,906
700	3600	575	509USS		F7003VLG3OM	611	96.0	4	MXTDPS	\$68,906
700	3600	460	509USS		F7001VLG3BM	756	96.0	5	MXTDPS	\$68,906
700	3600	575	509USS		F7001VLG3OM	611	96.0	5	MXTDPS	\$68,906
700	1800	460	5810US		F7004VLG3BM	852	95.4		MXTDPS	\$64,312
700	1800	575	5810US		F7004VLG3OM	682	95.4		MXTDPS	\$64,312
700	1800	460	5810UZ		F7004VLF4BM	852	95.4	2	MXTDPS	\$67,855
700	1800	575	5810UZ		F7004VLF4OM	682	95.4	2	MXTDPS	\$67,855
700	1200	460	5810US		F7006VKG3BM	991	95.8	3	MXTDPS	\$82,687
700	1200	575	5810US		F7006VKG3OM	793	95.8	3	MXTDPS	\$82,687
700	1200	460	5810UZ		F7006VKF4BM	991	95.8	2, 3	MXTDPS	\$86,230
700	1200	575	5810UZ		F7006VKF4OM	793	95.8	2, 3	MXTDPS	\$86,230
800	3600	460	509USS		F8003VLG3BM	882	95.8	4	MXTDPS	\$78,749
800	3600	575	509USS		F8003VLG3OM	706	95.8	4	MXTDPS	\$78,749
800	3600	460	509USS		F8001VLG3BM	882	95.8	5	MXTDPS	\$78,749
800	3600	575	509USS		F8001VLG3OM	706	95.8	5	MXTDPS	\$78,749
800	1800	460	5810US		F8004VLG3BM	969	95.4		MXTDPS	\$73,499
800	1800	575	5810US		F8004VLG3OM	775	95.4		MXTDPS	\$73,499
800	1800	460	5810UZ		F8004VLF4BM	969	95.4	2	MXTDPS	\$77,043
800	1800	575	5810UZ		F8004VLF4OM	775	95.4	2	MXTDPS	\$77,043

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

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Open Drip Proof EPACT Efficiency



Toshiba's general purpose XT, open drip proof, EPACT Efficiency motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. It offers a high torque and low vibration design leading to longer life and greater reliability. This product line also meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower: 3/4 to 500 HP
 Speed: 3600, 1800, or 1200 RPM (250 to 500 HP)
 900 RPM (3/4 to 200 HP)
 Voltage: 230/460, 460 or 575 V
 Enclosure: Open Drip Proof
 Frame Size: 143T through 509US
 Construction: Cast Iron
 Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	900	230/460	145T		3/48DPSA21A		74.0		MXTDPE	\$998
0.75	900	575	145T		3/48DPSC21A		74.0		MXTDPE	\$998
1	900	230/460	182T		0018DPSA21A		74.0		MXTDPE	\$1,119
1	900	575	182T		0018DPSC21A		74.0		MXTDPE	\$1,119
1.5	900	230/460	184T		Y158DPSA21A		75.5		MXTDPE	\$1,355
1.5	900	575	184T		Y158DPSC21A		75.5		MXTDPE	\$1,355
2	900	230/460	213T		0028DPSA21A		85.5		MXTDPE	\$1,641
2	900	575	213T		0028DPSC21A		85.5		MXTDPE	\$1,641
3	900	230/460	215T		0038DPSA21A		86.5		MXTDPE	\$2,048
3	900	575	215T		0038DPSC21A		86.5		MXTDPE	\$2,048
5	900	230/460	254T		0058DPSA21A		87.5		MXTDPE	\$2,831
5	900	575	254T		0058DPSC21A		87.5		MXTDPE	\$2,831
7.5	900	230/460	256T		Y758DPSA21A		88.5		MXTDPE	\$3,602
7.5	900	575	256T		Y758DPSC21A		88.5		MXTDPE	\$3,602
10	900	230/460	284T		0108DPSA21A		89.5		MXTDPE	\$4,272
10	900	575	284T		0108DPSC21A		89.5		MXTDPE	\$4,272
15	900	230/460	286T		0158DPSA21A		89.5		MXTDPE	\$5,615
15	900	575	286T		0158DPSC21A		89.5		MXTDPE	\$5,615
20	900	230/460	324T		0208DPSA21A		90.2		MXTDPE	\$6,764
20	900	575	324T		0208DPSC21A		90.2		MXTDPE	\$6,764
25	900	230/460	326T		0258DPSA21A		90.2		MXTDPE	\$8,011
25	900	575	326T		0258DPSC21A		90.2		MXTDPE	\$8,011
30	900	230/460	364T		0308DPSA21A		91.0		MXTDPE	\$9,088
30	900	575	364T		0308DPSC21A		91.0		MXTDPE	\$9,088
40	900	230/460	365T		0408DPSA21A		91.0		MXTDPE	\$11,255
40	900	575	365T		0408DPSC21A		91.0		MXTDPE	\$11,255

Open Drip Proof EPACT Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	900	230/460	404T		0508DPSA21A		91.7		MXTDPE	\$13,412
50	900	575	404T		0508DPSC21A		91.7		MXTDPE	\$13,412
60	900	230/460	405T		0608DPSA21A		92.4		MXTDPE	\$15,549
60	900	575	405T		0608DPSC21A		92.4		MXTDPE	\$15,549
75	900	230/460	444T		0758DPSA21A-R		93.6	2	MXTDPE	\$18,624
75	900	575	444T		0758DPSC21A-R		93.6	2	MXTDPE	\$18,624
100	900	230/460	445T		1008DPSA21A-R		93.6	2	MXTDPE	\$23,552
100	900	575	445T		1008DPSC21A-R		93.6	2	MXTDPE	\$23,552
125	900	460	445TS		1258DPSA21B		93.6		MXTDPE	\$25,166
125	900	575	445TS		1258DPSC21B		93.6		MXTDPE	\$25,166
125	900	460	445TZ		1258DPSA21A-R		93.6	2	MXTDPE	\$27,746
125	900	575	445TZ		1258DPSC21A-R		93.6	2	MXTDPE	\$27,746
150	900	460	447TS		1508DPSA21B		93.6		MXTDPE	\$32,007
150	900	575	447TS		1508DPSC21B		93.6		MXTDPE	\$32,007
150	900	460	447TZ		1508DPSA21D-R		93.6	2	MXTDPE	\$33,588
150	900	575	447TZ		1508DPSC21D-R		93.6	2	MXTDPE	\$33,588
200	900	460	505US		2008DPSA21E		93.6		MXTDPE	\$34,162
200	900	575	505US		2008DPSC21E		93.6		MXTDPE	\$34,162
200	900	460	505UZ		2008DPSA21G-R		93.6	2	MXTDPE	\$38,591
200	900	575	505UZ		2008DPSC21G-R		93.6	2	MXTDPE	\$38,591
250	3600	230/460	445TS		2502DPAB21B		94.5		MXTDPE	\$26,821
250	3600	575	445TS		2502DPAC21B		94.5		MXTDPE	\$26,821
250	1800	460	447T		2504DPAB21A		95.4	8	MXTDPE	\$24,322
250	1800	575	447T		2504DPAC21A		95.4	8	MXTDPE	\$24,322
250	1800	460	447T		2504DPAB21A-R		95.4	2	MXTDPE	\$25,076
250	1800	575	447T		2504DPAC21A-R		95.4	2	MXTDPE	\$25,076
250	1200	460	505US		2506DPAB21E		95.4		MXTDPE	\$31,015
250	1200	575	505US		2506DPAC21E		95.4		MXTDPE	\$31,015
250	1200	460	505UZ		2506DPAB21G-R		95.4	2	MXTDPE	\$34,137
250	1200	575	505UZ		2506DPAC21G-R		95.4	2	MXTDPE	\$34,137
300	3600	460	445TS		3002DPAB21B		95.0		MXTDPE	\$34,913
300	3600	575	445TS		3002DPAC21B		95.0		MXTDPE	\$34,913
300	1800	460	447T		3004DPAB21A		95.4	8	MXTDPE	\$27,441
300	1800	575	447T		3004DPAC21A		95.4	8	MXTDPE	\$27,441
300	1800	460	447T		3004DPAB21A-R		95.4	2	MXTDPE	\$29,010
300	1800	575	447T		3004DPAC21A-R		95.4	2	MXTDPE	\$29,010
300	1200	460	509US		3006DPAB21E		95.4		MXTDPE	\$39,142
300	1200	575	509US		3006DPAC21E		95.4		MXTDPE	\$39,142
300	1200	460	509UZ		3006DPAB21G-R		95.4	2	MXTDPE	\$42,264
300	1200	575	509UZ		3006DPAC21G-R		95.4	2	MXTDPE	\$42,264
350	3600	460	447TS		3502DPAB21B		95.0		MXTDPE	\$37,905
350	3600	575	447TS		3502DPAC21B		95.0		MXTDPE	\$37,905
350	1800	460	505US		3504DPAB21E		95.4		MXTDPE	\$30,854
350	1800	575	505US		3504DPAC21E		95.4		MXTDPE	\$30,854
350	1800	460	505UZ		3504DPAB21G-R		95.4	2	MXTDPE	\$32,393
350	1800	575	505UZ		3504DPAC21G-R		95.4	2	MXTDPE	\$32,393
350	1200	460	509US		3506DPAB21E		95.4		MXTDPE	\$40,050

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	575	509US		3506DPAC21E		95.4		MXTDPE	\$40,050
350	1200	460	509UZ		3506DPAB21G-R		95.4	2	MXTDPE	\$43,691
350	1200	575	509UZ		3506DPAC21G-R		95.4	2	MXTDPE	\$43,691
400	3600	460	447TS		4002DPAB21B		95.4		MXTDPE	\$44,010
400	3600	575	447TS		4002DPAC21B		95.4		MXTDPE	\$44,010
400	1800	460	505US		4004DPAB21E		95.4		MXTDPE	\$42,605
400	1800	575	505US		4004DPAC21E		95.4		MXTDPE	\$42,605
400	1800	460	505UZ		4004DPAB21G-R		95.4	2	MXTDPE	\$42,026
400	1800	575	505UZ		4004DPAC21G-R		95.4	2	MXTDPE	\$42,026
450	3600	460	505USS		4502DPAB21F		95.8		MXTDPE	\$47,558
450	3600	575	505USS		4502DPAC21F		95.8		MXTDPE	\$47,558
450	1800	460	507US		4504DPAB21E		95.8		MXTDPE	\$46,084
450	1800	575	507US		4504DPAC21E		95.8		MXTDPE	\$46,084
450	1800	460	507UZ		4504DPAB21G-R		95.8	2	MXTDPE	\$47,623
450	1800	575	507UZ		4504DPAC21G-R		95.8	2	MXTDPE	\$47,623
500	3600	460	505USS		5002DPAB21F		95.8		MXTDPE	\$52,829
500	3600	575	505USS		5002DPAC21F		95.8		MXTDPE	\$52,829
500	1800	460	509US		5004DPAB21E		95.8		MXTDPE	\$51,204
500	1800	575	509US		5004DPAC21E		95.8		MXTDPE	\$51,204
500	1800	460	509UZ		5004DPAB21G-R		95.8	2	MXTDPE	\$52,743
500	1800	575	509UZ		5004DPAC21G-R		95.8	2	MXTDPE	\$52,743

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Open Drip Proof EQPIII NEMA Premium® Efficiency



Toshiba's general purpose XT, open drip proof, NEMA Premium® efficiency, EQPIII motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. It offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. This product line meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.

XT

Product Scope

Horsepower:	3/4 to 700 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 509US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	47	B3/46DLF2AMH02	3.0/1.5	80.0 *		MXTDPP	\$855
0.75	1200	575	143T	47	B3/46DLF2OMH02	1.2	80.0 *		MXTDPP	\$855
1	1800	230/460	143T	48	B0014DLF2AMH02	2.8/1.4	84.0		MXTDPP	\$712
1	1800	230/460	143T	48	B0014DLF2AYH	2.8/1.4	84.0	1	MXTDPP	\$616
1	1800	575	143T	48	B0014DLF2OMH02	1.1	84.0		MXTDPP	\$712
1	1200	230/460	145T	51	B0016DLF2AMH02	3.6/1.8	82.5		MXTDPP	\$917
1	1200	230/460	145	51	B0016DLF2AYH	3.6/1.8	82.5	1	MXTDPP	\$794
1	1200	575	145T	51	B0016DLF2OMH02	1.5	82.5		MXTDPP	\$917
1.5	3600	230/460	143T	43	BY152DLF2AMH02	4.2/2.1	84.0		MXTDPP	\$806
1.5	3600	230/460	143T	43	BY152DLF2AYH	4.2/2.1	84.0	1	MXTDPP	\$673
1.5	3600	575	143T	43	BY152DLF2OMH02	1.7	84.0		MXTDPP	\$806
1.5	1800	230/460	145T	53	BY154DLF2AMH02	4.4/2.2	86.5		MXTDPP	\$779
1.5	1800	230/460	145T	55	BY154DLF2AYH	4.4/2.2	86.5	1	MXTDPP	\$673
1.5	1800	575	145T	53	BY154DLF2OMH02	1.8	86.5		MXTDPP	\$779
1.5	1200	230/460	182T	80	BY156DLF2AMH02	5.0/2.5	86.5		MXTDPP	\$967
1.5	1200	575	182T	80	BY156DLF2OMH02	2	86.5		MXTDPP	\$967
2	3600	230/460	145T	46	B0022DLF2AMH02	5.0/2.5	86.5		MXTDPP	\$955
2	3600	230/460	145T	57	B0022DLF2AYH	5/2.5	86.5	1	MXTDPP	\$794
2	3600	575	145T	46	B0022DLF2OMH02	2	86.5		MXTDPP	\$955
2	1800	230/460	145T	61	B0024DLF2AMH02	5.6/2.8	86.5		MXTDPP	\$855
2	1800	230/460	145T	57	B0024DLF2AYH	5.6/2.8	86.5	1	MXTDPP	\$741
2	1800	575	145T	61	B0024DLF2OMH02	2.2	86.5		MXTDPP	\$855
2	1200	230/460	184T	92	B0026DLF2AMH02	6.6/3.3	87.5		MXTDPP	\$1,292
2	1200	230/460	184T	88	B0026DLF2AYH	6.6/3.3	87.5	1	MXTDPP	\$1,119
2	1200	575	184T	92	B0026DLF2OMH02	2.6	87.5		MXTDPP	\$1,292

LV General Purpose CT

Open Drip Proof EQP III

NEMA Premium® Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	145T	53	B0032DLF2AMH02	7.4/3.7	86.5			\$1,031
3	3600	230/460	145T	57	B0032DLF2AYH	7.4/3.7	86.5	1		\$880
3	3600	575	145T	53	B0032DLF2OMH02	3	86.5			\$1,031
3	1800	230/460	182T	91	B0034DLF2AMH02	7.6/3.8	89.5			\$930
3	1800	230/460	182T	97	B0034DLF2AYH	7.6/3.8	89.5	1		\$772
3	1800	575	182T	91	B0034DLF2OMH02	3	89.5			\$930
3	1200	230/460	213T	155	B0036DLF2AMH01	8.4/4.2	90.2			\$1,458
3	1200	575	213T	155	B0036DLF2OMH01	3.4	90.2			\$1,458
5	3600	230/460	182T	78	B0052DLF2AMH02	11.6/5.8	89.5			\$1,240
5	3600	230/460	182T	86	B0052DLF2AYH	11.6/5.8	89.5	1		\$1,021
5	3600	575	182T	78	B0052DLF2OMH02	4.6	89.5			\$1,240
5	1800	230/460	184T	102	B0054DLF2AMH02	12.6/6.3	89.5			\$1,178
5	1800	230/460	184T	89	B0054DLF2AYH	12.6/6.3	89.5	1		\$1,021
5	1800	575	184T	102	B0054DLF2OMH02	5	89.5			\$1,178
5	1200	230/460	215T	158	B0056DLF2AMH01	13.4/6.7	90.2			\$1,880
5	1200	575	215T	158	B0056DLF2OMH01	5.4	90.2			\$1,880
7.5	3600	230/460	184T	88	BY752DLF2AYH	17/8.5	90.2	1		\$1,497
7.5	3600	230/460	184T	87	BY752DLF2AMH02	17/8.5	90.2			\$1,648
7.5	3600	575	184T	87	BY752DLF2OMH02	6.8	90.2			\$1,648
7.5	1800	230/460	213T	164	BY754DLF2USH01	18.8/9.4	91.7			\$1,427
7.5	1800	575	213T	164	BY754DLF2OSH01	7.5	91.7			\$1,427
7.5	1200	230/460	254T	255	BY756DLF2UMH01	20/10	91.7			\$2,352
7.5	1200	575	254T	255	BY756DLF2OMH01	8	91.7			\$2,352
10	3600	230/460	213T	156	B0102DLF2UMH01	26/13	90.2			\$1,866
10	3600	575	213T	156	B0102DLF2OMH01	10.4	90.2			\$1,866
10	1800	230/460	215T	184	B0104DLF2USH01	24/12	91.7			\$1,712
10	1800	575	215T	184	B0104DLF2OSH01	9.6	91.7			\$1,712
10	1200	230/460	256T	290	B0106DLF2UMH01	26/13	92.4			\$2,754
10	1200	575	256T	290	B0106DLF2OMH01	10.4	92.4			\$2,754
15	3600	230/460	215T	188	B0152DLF2UMH01	37/18.5	91.0			\$2,364
15	3600	575	215T	188	B0152DLF2OMH01	15	91.0			\$2,364
15	1800	230/460	254T	260	B0154DLF2UMH01	38/19	93.0			\$2,358
15	1800	575	254T	260	B0154DLF2OMH01	15	93.0			\$2,358
15	1200	230/460	284T	346	B0156VLF1UMH01	39/19.5	92.4			\$3,723
15	1200	575	284T	346	B0156VLF1OMH01	15.6	92.4			\$3,723
20	3600	230/460	254T	276	B0202DLF2UMH01	46/23	92.4			\$2,787
20	3600	575	254T	276	B0202DLF2OMH01	18	92.4			\$2,787
20	1800	230/460	256T	317	B0204DLF2UMH01	48/24	93.6			\$2,823
20	1800	575	256T	317	B0204DLF2OMH01	19.2	93.6			\$2,823
20	1200	230/460	286T	393	B0206VLF1UMH01	51/25.5	93.0			\$4,349
20	1200	575	286T	393	B0206VLF1OMH01	20.4	93.0			\$4,349
25	3600	230/460	256T	309	B0252DLF2UMH01	56/28	93.0			\$3,404
25	3600	575	256T	309	B0252DLF2OMH01	22	93.0			\$3,404
25	1800	230/460	284T	373	B0254VLF1USH01	62/31	93.6			\$3,442
25	1800	575	284T	373	B0254VLF1OSH01	25	93.6			\$3,442
25	1200	230/460	324T	468	B0256VLF1UMH01	62/31	93.6			\$5,161
25	1200	575	324T	468	B0256VLF1OMH01	25	93.6			\$5,161

**Open Drip Proof
EQPIII
NEMA Premium® Efficiency**



XT

LV General Purpose XT

LV General Purpose XT

EQ Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	3600	230/460	284TS	373	B0302VLG3UMH	70/35	93.6		MXTDPP	\$4,264
30	3600	575	284TS	373	B0302VLG3OMH	28	93.6		MXTDPP	\$4,264
30	1800	230/460	286T	402	B0304VLF1USH01	74/37	94.1		MXTDPP	\$4,001
30	1800	575	286T	402	B0304VLF1OSH01	30	94.1		MXTDPP	\$4,001
30	1200	230/460	326T	532	B0306VLF1UMH01	74/37	93.6		MXTDPP	\$5,905
30	1200	575	326T	532	B0306VLF1OMH01	30	93.6		MXTDPP	\$5,905
40	3600	230/460	286TS	412	B0402VLG3UMH	92/46	93.6		MXTDPP	\$5,195
40	3600	575	286TS	412	B0402VLG3OMH	37	93.6		MXTDPP	\$5,195
40	1800	230/460	324T	562	B0404VLF1UMH01	96/48	94.5		MXTDPP	\$4,974
40	1800	575	324T	562	B0404VLF1OMH01	39	94.5		MXTDPP	\$4,974
40	1200	230/460	364T	659	B0406VLF3USH	98/49	94.5		MXTDPP	\$9,113
40	1200	575	364T	659	B0406VLF3OSH	39	94.5		MXTDPP	\$9,113
50	3600	230/460	324TS	550	B0502VLG3UMH	118/59	93.6		MXTDPP	\$6,175
50	3600	575	324TS	550	B0502VLG3OMH	47	93.6		MXTDPP	\$6,175
50	1800	230/460	326T	620	B0504VLF1UMH01	120/60	95.0		MXTDPP	\$5,908
50	1800	575	326T	620	B0504VLF1OMH01	48	95.0		MXTDPP	\$5,908
50	1200	230/460	365T	716	B0506VLF3USH	124/62	94.5		MXTDPP	\$10,643
50	1200	575	365T	716	B0506VLF3OSH	50	94.5		MXTDPP	\$10,643
60	3600	230/460	326TS	594	B0602VLG3UMH	140/70	93.6		MXTDPP	\$7,019
60	3600	575	326TS	594	B0602VLG3OMH	56	93.6		MXTDPP	\$7,019
60	1800	230/460	364T	662	B0604VLF3USH	146/73	95.4		MXTDPP	\$7,109
60	1800	575	364T	662	B0604VLF3OSH	58	95.4		MXTDPP	\$7,109
60	1200	230/460	404T	1032	B0606VLF3USH	148/74	95.0		MXTDPP	\$12,418
60	1200	575	404T	1032	B0606VLF3OSH	59	95.0		MXTDPP	\$12,418
75	3600	230/460	364TS	747	B0752VLG3USH	174/87	94.5		MXTDPP	\$9,617
75	3600	575	364TS	747	B0752VLG3OSH	70	94.5		MXTDPP	\$9,617
75	1800	230/460	365T	748	B0754VLF3USH	178/89	95.4		MXTDPP	\$8,475
75	1800	575	365T	748	B0754VLF3OSH	71	95.4		MXTDPP	\$8,475
75	1200	230/460	405T	1139	B0756VLF3USH	184/92	95.8		MXTDPP	\$14,470
75	1200	575	405T	1139	B0756VLF3OSH	74	95.8		MXTDPP	\$14,470
100	3600	230/460	365TS	747	B1002VLG3USH	230/115	95.0		MXTDPP	\$12,030
100	3600	575	365TS	747	B1002VLG3OSH	92	95.0		MXTDPP	\$12,030
100	1800	230/460	404T	1100	B1004VLF3USH	230/115	95.4		MXTDPP	\$11,142
100	1800	575	404T	1100	B1004VLF3OSH	92	95.4		MXTDPP	\$11,142
100	1200	230/460	444T	1406	B1006VLF4USH	244/122	95.4	2	MXTDPP	\$18,327
100	1200	575	444T	1406	B1006VLF4OSH	98	95.4	2	MXTDPP	\$18,327
125	3600	230/460	404TS	1114	B1252VLG3USH	284/142	95.4		MXTDPP	\$14,535
125	3600	575	404TS	1114	B1252VLG3OSH	114	95.4		MXTDPP	\$14,535
125	1800	230/460	405T	1209	B1254VLF3USH	284/142	95.4		MXTDPP	\$12,567
125	1800	575	405T	1209	B1254VLF3OSH	113	95.4		MXTDPP	\$12,567
125	1200	230/460	445T	1507	B1256VLF4USH	310/155	95.4	2	MXTDPP	\$20,814
125	1200	575	445T	1507	B1256VLF4OSH	124	95.4	2	MXTDPP	\$20,814
150	3600	230/460	405TS	1213	B1502VLG3USH	332/166	95.8		MXTDPP	\$17,681
150	3600	575	405TS	1213	B1502VLG3OSH	133	95.8		MXTDPP	\$17,681
150	1800	230/460	444T	1355	B1504VLF4USH	334/167	95.8	2	MXTDPP	\$18,147
150	1800	575	444T	1355	B1504VLF4OSH	134	95.8	2	MXTDPP	\$18,147
150	1200	460	445TS	1617	B1506VLG3BSH	180	95.8		MXTDPP	\$23,074

LV General Purpose CT

Open Drip Proof EQP III

NEMA Premium® Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
150	1200	575	445TS	1617	B1506VLG3OSH	144	95.8			\$23,074
150	1200	460	445T	1617	B1506VLF4BSH	180	95.8	2		\$23,074
150	1200	575	445T	1617	B1506VLF4OSH	144	95.8	2		\$23,074
200	3600	230/460	444TS	1520	B2002VLG3USH	450/225	95.8			\$27,504
200	3600	575	444TS	1520	B2002VLG3OSH	180	95.8			\$27,504
200	1800	230/460	445T	1597	B2004VLF4USH	444/222	96.2	2		\$21,882
200	1800	575	445T	1597	B2004VLF4OSH	178	96.2	2		\$21,882
200	1200	460	505US	2010	B2006VLG3BMH	235	95.8			\$33,894
200	1200	575	505US	2010	B2006VLG3OMH	188	95.8			\$33,894
200	1200	460	505UZ	2010	B2006VLF4BMH	235	95.8	2		\$37,362
200	1200	575	505UZ	2010	B2006VLF4OMH	188	95.8	2		\$37,362
250	3600	230/460	445TS	1720	B2502VLG3UMH	560/280	95.8			\$29,802
250	3600	575	445TS	1720	B2502VLG3OMH	224	95.8			\$29,802
250	1800	460	447TS	1721	B2504VLG3BMH	272	96.5			\$30,715
250	1800	575	447TS	1721	B2504VLG3OMH	218	96.5			\$30,715
250	1800	460	447T	1721	B2504VLF4BMH	272	96.5	2		\$30,715
250	1800	575	447T	1721	B2504VLF4OMH	218	96.5	2		\$30,715
250	1200	460	505US	2072	B2506VLG3BMH	290	95.8			\$35,600
250	1200	575	505US	2072	B2506VLG3OMH	232	95.8			\$35,600
250	1200	460	505UZ	2072	B2506VLF4BMH	290	95.8	2		\$39,068
250	1200	575	505UZ	2072	B2506VLF4OMH	232	95.8	2		\$39,068
300	3600	460	447TS	1934	B3002VLG3BMH	330	96.2			\$38,793
300	3600	575	447TS	1934	B3002VLG3OMH	264	96.2			\$38,793
300	1800	460	447TS	1721	B3004VLG3BMH	330	96.2			\$32,234
300	1800	575	447TS	1721	B3004VLG3OMH	264	96.2			\$32,234
300	1800	460	447T	1721	B3004VLF4BMH	330	96.2	2		\$32,234
300	1800	575	447T	1721	B3004VLF4OMH	264	96.2	2		\$32,234
300	1200	460	507US	2474	B3006VLG3BMH	345	95.8			\$43,493
300	1200	575	507US	2474	B3006VLG3OMH	276	95.8			\$43,493
300	1200	460	507UZ	2474	B3006VLF4BMH	345	95.8	2		\$46,961
300	1200	575	507UZ	2474	B3006VLF4OMH	276	95.8	2		\$46,961
350	3600	460	447TS	2012	B3502VLG3BMH	382	96.2			\$42,117
350	3600	575	447TS	2012	B3502VLG3OMH	305	96.2			\$42,117
350	1800	460	505US	2054	B3504VLG3BMH	385	96.5			\$37,544
350	1800	575	505US	2054	B3504VLG3OMH	308	96.5			\$37,544
350	1800	460	505UZ	2054	B3504VLF4BMH	385	96.5	2		\$41,012
350	1800	575	505UZ	2054	B3504VLF4OMH	308	96.5	2		\$41,012
400	3600	460	505USS	2312	B4002VLG3BMH	430	95.8			\$48,900
400	3600	575	505USS	2312	B4002VLG3OMH	344	95.8			\$48,900
400	1800	460	507US	2620	B4004VLG3BMH	440	96.5			\$47,340
400	1800	575	507US	2620	B4004VLG3OMH	352	96.5			\$47,340
400	1800	460	507UZ	2620	B4004VLF4BMH	440	96.5	2		\$50,808
400	1800	575	507UZ	2620	B4004VLF4OMH	352	96.5	2		\$50,808
450	3600	460	507USS	2777	B4502VLG3BMH	480	96.2			\$52,842
450	3600	575	507USS	2777	B4502VLG3OMH	384	96.2			\$52,842
450	1800	460	507US	2777	B4504VLG3BMH	495	96.2			\$53,256
450	1800	575	507US	2777	B4504VLG3OMH	396	96.2			\$53,256

**Open Drip Proof
EQIII
NEMA Premium® Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	1800	460	507UZ	2777	B4504VLF4BMH	495	96.2	2	MXTDPP	\$56,724
450	1800	575	507UZ	2777	B4504VLF4OMH	396	96.2	2	MXTDPP	\$56,724
500	3600	460	507USS	2777	B5002VLG3BMH	528	96.5		MXTDPP	\$58,700
500	3600	575	507USS	2777	B5002VLG3OMH	422	96.5		MXTDPP	\$58,700
500	1800	460	509US		B5004VLG3BMH	553	96.5		MXTDPP	\$60,686
500	1800	575	509US		B5004VLG3OMH	442	96.5		MXTDPP	\$60,686
500	1800	460	509UZ		B5004VLF4BMH	553	96.5	2	MXTDPP	\$64,057
500	1800	575	509UZ		B5004VLF4OMH	442	96.5	2	MXTDPP	\$64,057
600	3600	460	507USS	2777	F6002VLG3BMH	640	96.2*		MXTDPP	\$67,752
600	3600	575	507USS	2777	F6002VLG3OMH	512	96.2*		MXTDPP	\$67,752
700	3600	460	507USS	2777	B7002VKG3BMH	741	96.2*		MXTDPP	\$75,091
700	3600	575	507USS	2777	B7002VKG3OMH	592	96.2*		MXTDPP	\$75,091

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

LV General Purpose CT

LV General Purpose XT

EQ Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

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Appendices

General Purpose XT Series

Totally Enclosed Fan Cooled Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled motors are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. Using the cornerstone of our product offering, the EQPIII motor line, as a base, our XT Totally enclosed fan cooled motors are built to withstand the toughest conditions. This product line offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. Our XT totally enclosed fan cooled motors are designed for indoor and outdoor use, and are available in High Efficiency, High Efficiency C-Face Footless, EPACT Efficiency, EPACT Efficiency C-Face Footed, as well as in NEMA Premium® efficiency options which include EQPIII, EQPIII C-Face Footed, and EQPIII C-Face Footless.

Standard Features:

- Totally Enclosed Fan Cooled
- High, EPACT, & NEMA Premium® Efficiency
- Available in Footed, C-Face Footed, & C-Face Footless Mounting Configurations
- 230/460, 460, or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- Stamped Steel Conduit Box on Frames 140 through 5010U
- Cast Iron Conduit Box on Frame 5810U
- Cast Iron Frame
- Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 140T through 405T
- Roller Bearing on All 440T & Above, 4 & 6-Pole
- V-Ring Shaft Slinger on the Drive End
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

3 Year Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

High/EPACT

- From Date of Shipment: 24 Months

Premium

- From Date of Shipment: 36 Months



Totally Enclosed Fan Cooled High Efficiency

Toshiba's general purpose XT, totally enclosed fan cooled, High Efficiency motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product performance. This product line offers exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

XT



Product Scope

Horsepower:	1/2 to 2 HP (56 Frame) 250 to 800 HP
Speed:	3600, 1800, 1200 or 900 RPM
Voltage:	230/460, 460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	56 Frame & N449T through 5811US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	56/56H	49	B1/24EMF2AOZ	1.7/0.85	78.5	1	MXTFCS	\$435
0.5	1800	575	56/56H	49	B1/24EMF2OOZ	0.68	78.5	1	MXTFCS	\$435
0.5	1200	230/460	56/56H	53	B1/26FMF2AOZ	2.0/1.0	77.0	1	MXTFCS	\$632
0.5	1200	575	56/56H	53	B1/26FMF2OOZ	0.80	77.0	1	MXTFCS	\$632
0.75	3600	230/460	56/56H	47	B3/42FMF2AOZ	2.2/1.1	77.0	1	MXTFCS	\$430
0.75	3600	575	56/56H	47	B3/42FMF2OOZ	0.88	77.0	1	MXTFCS	\$430
0.75	1800	230/460	56/56H	57	B3/44FMF2AOZ	2.2/1.1	81.5	1	MXTFCS	\$468
0.75	1800	575	56/56H	57	B3/44FMF2OOZ	0.88	81.5	1	MXTFCS	\$468
0.75	1200	230/460	56/56H	53	B3/46FLF2AOZ	2.8/1.4	78.5	1	MXTFCS	\$647
0.75	1200	575	56/56H	53	B3/46FLF2OOZ	1.1	78.5	1	MXTFCS	\$647
1	3600	230/460	56/56H	50	B0012FMF2AOZ	2.7/1.35	80.0	1	MXTFCS	\$507
1	3600	575	56/56H	50	B0012FMF2OOZ	1.1	80.0	1	MXTFCS	\$507
1	1800	230/460	56/56H	56	B0014FLF2AOZ	2.9/1.45	82.5	1	MXTFCS	\$490
1	1800	575	56/56H	56	B0014FLF2OOZ	1.2	82.5	1	MXTFCS	\$490
1	1200	230/460	56/56H	54	B0016FLF2AOZ	3.7/1.85	78.5	1	MXTFCS	\$656
1	1200	575	56/56H	54	B0016FLF2OOZ	1.5	78.5	1	MXTFCS	\$656
1.5	3600	230/460	56/56H	53	BY152FLF2AOZ	3.8/1.9	82.5	1	MXTFCS	\$557
1.5	3600	575	56/56H	53	BY152FLF2OOZ	1.6	82.5	1	MXTFCS	\$557
1.5	1800	230/460	56/56H	54	BY154FLF2AOZ	4.5/2.25	81.5	1	MXTFCS	\$549
1.5	1800	575	56/56H	54	BY154FLF2OOZ	1.8	81.5	1	MXTFCS	\$549
1.5	1200	230/460	56/56H	58	BY156FLF2AOZ	5.4/2.7	78.5	1	MXTFCS	\$752
1.5	1200	575	56/56H	58	BY156FLF2OOZ	2.2	78.5	1	MXTFCS	\$752

Totally Enclosed Fan Cooled High Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	230/460	56/56H	54	B0022FLF2AOZ	5.2/2.6	84.0	1	MXTFCS	\$623
2	3600	575	56/56H	54	B0022FLF2OOZ	2.1	84.0	1	MXTFCS	\$623
2	1800	230/460	56/56H	55	B0024FLF2AOZ	5.8/2.9	84.0	1	MXTFCS	\$592
2	1800	575	56/56H	55	B0024FLF2OOZ	2.3	84.0	1	MXTFCS	\$592
250	3600	460	N449TS	3700	B2503FLG3BML	277	94.5	4, 10	MXTFCS	\$40,826
250	3600	575	N449TS	3700	B2503FLG3OML	221	94.5	4, 10	MXTFCS	\$40,826
250	3600	460	N449TS	3700	B2501FLG3BML	277	94.5	5, 10	MXTFCS	\$40,826
250	3600	575	N449TS	3700	B2501FLG3OML	221	94.5	5, 10	MXTFCS	\$40,826
250	3600	460	505USS	2743	B2503FKG3BM	280	95.0	3, 4, 10	MXTFCS	\$43,850
250	3600	575	505USS	2743	B2503FKG3OM	224	95.0	3, 4, 10	MXTFCS	\$43,850
250	3600	460	505USS	2743	B2501FKG3BM	280	95.0	3, 5, 10	MXTFCS	\$43,850
250	3600	575	505USS	2743	B2501FKG3OM	224	95.0	3, 5, 10	MXTFCS	\$43,850
250	1800	460	447T	2182	B2504FKF4BSF	310	95.0	2, 3, 10	MXTFCS	\$28,846
250	1800	575	447T	2182	B2504FKF4OSF	248	95.0	2, 3, 10	MXTFCS	\$28,846
250	1800	460	N449T	3750	B2504FLF4BML	278	95.4	2, 10	MXTFCS	\$33,937
250	1800	575	N449T	3750	B2504FLF4OML	222	95.4	2, 10	MXTFCS	\$33,937
250	1800	460	505UZ	2765	B2504FLF4BM	288	94.1	2, 10	MXTFCS	\$39,995
250	1800	575	505UZ	2765	B2504FLF4OM	230	94.1	2, 10	MXTFCS	\$39,995
250	1800	460	505US	2765	B2504FLG3BM	288	94.1	10	MXTFCS	\$36,451
250	1800	575	505US	2765	B2504FLG3OM	230	94.1	10	MXTFCS	\$36,451
250	1200	460	N449T	3730	B2506FLF4BML	296	96.2	2, 10	MXTFCS	\$39,874
250	1200	575	N449T	3730	B2506FLF4OML	234	95.8	2, 10	MXTFCS	\$39,874
250	1200	460	N587UZ	3744	B2506FLF4BM	296	94.5	2, 10	MXTFCS	\$46,371
250	1200	575	N587UZ	3744	B2506FLF4OM	237	94.5	2, 10	MXTFCS	\$46,371
250	1200	460	N587US	3744	B2506FLG3BM	296	94.5	10	MXTFCS	\$42,827
250	1200	575	N587US	3744	B2506FLG3OM	237	94.5	10	MXTFCS	\$42,827
250	900	460	N449T	3930	B2508FLF4BML	306	94.0	2	MXTFCS	\$56,935
250	900	575	N449T	3930	B2508FLF4OML	245	94.0	2	MXTFCS	\$56,935
250	900	460	N587UZ	5150	B2508FLF4BM	321	95.0	2	MXTFCS	\$63,475
250	900	575	N587UZ	5150	B2508FLF4OM	257	95.0	2	MXTFCS	\$63,475
250	900	460	N587US	5150	B2508FLG4BM	321	95.0		MXTFCS	\$59,931
250	900	575	N587US	5150	B2508FLG4OM	257	95.0		MXTFCS	\$59,931
300	3600	460	N449TS	3720	B3003FLG3BML	330	95.0	4, 10	MXTFCS	\$50,539
300	3600	575	N449TS	3720	B3003FLG3OML	264	95.0	4, 10	MXTFCS	\$50,539
300	3600	460	N449TS	3720	B3001FLG3BML	330	95.0	5, 10	MXTFCS	\$50,539
300	3600	575	N449TS	3720	B3001FLG3OML	264	95.0	5, 10	MXTFCS	\$50,539
300	3600	460	N587USS	3954	B3003FLG3BM	328	94.5	4, 10	MXTFCS	\$54,281
300	3600	575	N587USS	3954	B3003FLG3OM	262	94.5	4, 10	MXTFCS	\$54,281
300	3600	460	N587USS	3954	B3001FLG3BM	328	94.5	5, 10	MXTFCS	\$54,281
300	3600	575	N587USS	3954	B3001FLG3OM	262	94.5	5, 10	MXTFCS	\$54,281
300	1800	460	N449T	3770	B3004FLF4BML	335	95.4	2, 10	MXTFCS	\$39,891
300	1800	575	N449T	3770	B3004FLF4OML	267	95.4	2, 10	MXTFCS	\$39,891
300	1800	460	N587UZ	3781	B3004FLF4BM	350	94.1	2, 10	MXTFCS	\$46,387
300	1800	575	N587UZ	3781	B3004FLF4OM	280	94.1	2, 10	MXTFCS	\$46,387
300	1800	460	N587US	3781	B3004FLG3BM	350	94.1	10	MXTFCS	\$42,844
300	1800	575	N587US	3781	B3004FLG3OM	280	94.1	10	MXTFCS	\$42,844
300	1200	460	N449T	3750	B3006FLF4BML	356	95.8	2, 10	MXTFCS	\$44,988
300	1200	575	N449T	3750	B3006FLF4OML	284	95.8	2, 10	MXTFCS	\$44,988

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XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	1200	460	N587UZ	3967	B3006FLF4BM	354	94.5	2, 10	MXTFCS	\$51,866
300	1200	575	N587UZ	3967	B3006FLF4OM	283	94.5	2, 10	MXTFCS	\$51,866
300	1200	460	N587US	3967	B3006FLG3BM	354	94.5	10	MXTFCS	\$48,322
300	1200	575	N587US	3967	B3006FLG3OM	283	94.5	10	MXTFCS	\$48,322
300	900	460	5810US		F3008FLG3BM				MXTFCS	\$63,000
300	900	575	5810US		F3008FLG3OM				MXTFCS	\$63,000
300	900	460	5810UZ		F3008FLF4BM			2	MXTFCS	\$66,543
300	900	575	5810UZ		F3008FLF4OM			2	MXTFCS	\$66,543
350	3600	460	N449TS	3750	B3503FLG3BML	386	95.4	4, 10	MXTFCS	\$54,514
350	3600	575	N449TS	3750	B3503FLG3OML	307	95.4	4, 10	MXTFCS	\$54,514
350	3600	460	N449TS	3750	B3501FLG3BML	386	95.4	5, 10	MXTFCS	\$54,514
350	3600	575	N449TS	3750	B3501FLG3OML	307	95.4	5, 10	MXTFCS	\$54,514
350	3600	460	5010USS	4500	B3503FLG8BM	390	94.1	4, 10	MXTFCS	\$55,606
350	3600	575	5010USS	4500	B3503FLG8OM	310	94.1	4, 10	MXTFCS	\$55,606
350	3600	460	5010USS	4500	B3501FLG8BM	390	94.1	5, 10	MXTFCS	\$55,606
350	3600	575	5010USS	4500	B3501FLG8OM	310	94.1	5, 10	MXTFCS	\$55,606
350	1800	460	N449T	3800	B3504FLF4BML	386	95.4	2, 10	MXTFCS	\$43,812
350	1800	575	N449T	3800	B3504FLF4OML	309	95.4	2, 10	MXTFCS	\$43,812
350	1800	460	N587UZ	3909	B3504FLF4BM	408	94.1	2, 10	MXTFCS	\$50,599
350	1800	575	N587UZ	3909	B3504FLF4OM	326	94.1	2, 10	MXTFCS	\$50,599
350	1800	460	N587US	3909	B3504FLG3BM	408	94.1	10	MXTFCS	\$47,056
350	1800	575	N587US	3909	B3504FLG3OM	326	94.1	10	MXTFCS	\$47,056
350	1200	460	N449T	3720	B3506FLF4BML	416	95.8	2, 10	MXTFCS	\$52,455
350	1200	575	N449T	3720	B3506FLF4OML	333	95.8	2, 10	MXTFCS	\$52,455
350	1200	460	5010UZ	3780	B3506FLF4BM	418	94.5	2, 10	MXTFCS	\$55,738
350	1200	575	5010UZ	3780	B3506FLF4OM	335	94.5	2, 10	MXTFCS	\$55,738
350	1200	460	5010US	3750	B3506FLG3BM	418	94.5	10	MXTFCS	\$52,194
350	1200	575	5010US	3750	B3506FLG3OM	335	94.5	10	MXTFCS	\$52,194
350	900	460	5810US		F3508FLG3BM				MXTFCS	\$73,499
350	900	575	5810US		F3508FLG3OM				MXTFCS	\$73,499
350	900	460	5810UZ		F3508FLF4BM			2	MXTFCS	\$77,043
350	900	575	5810UZ		F3508FLF4OM			2	MXTFCS	\$77,043
400	3600	460	N449TS	3850	B4003FLG3BML	439	95.4	4, 10	MXTFCS	\$59,185
400	3600	575	N449TS	3850	B4003FLG3OML	351	95.4	4, 10	MXTFCS	\$59,185
400	3600	460	5010USS	4500	B4003FLG8BM	443	94.1	4, 10	MXTFCS	\$62,301
400	3600	575	5010USS	4500	B4003FLG8OM	354	94.1	4, 10	MXTFCS	\$62,301
400	3600	460	5010USS	4500	B4001FLG8BM	443	94.1	5, 10	MXTFCS	\$62,301
400	3600	575	5010USS	4500	B4001FLG8OM	354	94.1	5, 10	MXTFCS	\$62,301
400	1800	460	N449T	3810	B4004FLF4BML	444	95.4	2, 10	MXTFCS	\$58,294
400	1800	575	N449T	3810	B4004FLF4OML	353	95.4	2, 10	MXTFCS	\$58,294
400	1800	460	N587UZ	3909	A4004FLF4BM	470	94.5	2, 6, 10	MXTFCS	\$63,196
400	1800	575	N587UZ	3909	A4004FLF4OM	376	94.5	2, 6, 10	MXTFCS	\$63,196
400	1800	460	N587US	3909	A4004FLG3BM	470	94.5	6, 10	MXTFCS	\$59,653
400	1800	575	N587US	3909	A4004FLG3OM	376	94.5	6, 10	MXTFCS	\$59,653
400	1200	460	5010UZ	4740	F4006FLF4BM	486	94.1	2, 6	MXTFCS	\$63,196
400	1200	575	5010UZ	4740	F4006FLF4OM	388	94.1	2, 6	MXTFCS	\$63,196
400	1200	460	5010US	4755	F4006FLG3BM	486	94.1	6	MXTFCS	\$59,653
400	1200	575	5010US	4755	F4006FLG3OM	388	94.1	6	MXTFCS	\$59,653

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	900	460	5810US		F4008FLG3BM				MXTFCS	\$83,999
400	900	575	5810US		F4008FLG3OM				MXTFCS	\$83,999
400	900	460	5810UZ		F4008FLF4BM			2	MXTFCS	\$87,544
400	900	575	5810UZ		F4008FLF4OM			2	MXTFCS	\$87,544
450	3600	460	5010USS	4580	B4503FLG8BM	496	94.5	4, 10	MXTFCS	\$68,607
450	3600	575	5010USS	4580	B4503FLG8OM	396	94.5	4, 10	MXTFCS	\$68,607
450	3600	460	5010USS	4580	B4501FLG8BM	496	94.5	5, 10	MXTFCS	\$68,607
450	3600	575	5010USS	4580	B4501FLG8OM	396	94.5	5, 10	MXTFCS	\$68,607
450	1800	460	5010UZ	4850	B4504FLF4BM	521	94.1	2, 10	MXTFCS	\$66,154
450	1800	575	5010UZ	4850	B4504FLF4OM	417	94.1	2, 10	MXTFCS	\$66,154
450	1800	460	5010US	4700	B4504FLG3BM	521	94.1	10	MXTFCS	\$62,611
450	1800	575	5010US	4700	B4504FLG3OM	417	94.1	10	MXTFCS	\$62,611
450	1200	460	5810US		F4506FLG3BM				MXTFCS	\$70,875
450	1200	575	5810US		F4506FLG3OM				MXTFCS	\$70,875
450	1200	460	5810UZ		F4506FLF4BM			2	MXTFCS	\$74,418
450	1200	575	5810UZ		F4506FLF4OM			2	MXTFCS	\$74,418
450	900	460	5810US		F4508FLG3BM				MXTFCS	\$94,500
450	900	575	5810US		F4508FLG3OM				MXTFCS	\$94,500
450	900	460	5810UZ		F4508FLF4BM			2	MXTFCS	\$98,043
450	900	575	5810UZ		F4508FLF4OM			2	MXTFCS	\$98,043
500	3600	460	5810USS		B5003FLG8BM			4, 10	MXTFCS	\$78,749
500	3600	575	5810USS		B5003FLG8OM			4, 10	MXTFCS	\$78,749
500	1800	460	5010UZ	4905	B5004FLF4BM	586	94.1	2, 10	MXTFCS	\$69,823
500	1800	575	5010UZ	4905	B5004FLF4OM	466	94.1	2, 10	MXTFCS	\$69,823
500	1800	460	5010US	4755	B5004FLG3BM	586	94.1	10	MXTFCS	\$66,280
500	1800	575	5010US	4755	B5004FLG3OM	466	94.1	10	MXTFCS	\$66,280
500	1200	460	5810US		F5006FLG3BM	654	95.4		MXTFCS	\$78,749
500	1200	575	5810US		F5006FLG3OM	523	95.4		MXTFCS	\$78,749
500	1200	460	5810UZ		F5006FLF4BM	654	95.4	2	MXTFCS	\$82,294
500	1200	575	5810UZ		F5006FLF4OM	523	95.4	2	MXTFCS	\$82,294
600	3600	460	5810USS		F6003FLG8BM			4	MXTFCS	\$89,775
600	3600	575	5810USS		F6003FLG8OM			4	MXTFCS	\$89,775
600	1800	460	5810US		F6004FLG3BM				MXTFCS	\$78,749
600	1800	575	5810US		F6004FLG3OM				MXTFCS	\$78,749
600	1800	460	5810UZ		F6004FLF4BM			2	MXTFCS	\$82,294
600	1800	575	5810UZ		F6004FLF4OM			2	MXTFCS	\$82,294
600	1800	460	5811US		6004FTAB11E-A	668	95.4	11	MXTFCS	\$90,458
600	1800	575	5811US		6004FTAC11E-A			11	MXTFCS	\$90,458
600	1200	460	5810US		F6006FLG3BM				MXTFCS	\$89,775
600	1200	575	5810US		F6006FLG3OM				MXTFCS	\$89,775
600	1200	460	5810UZ		F6006FLF4BM			2	MXTFCS	\$93,318
600	1200	575	5810UZ		F6006FLF4OM			2	MXTFCS	\$93,318
700	3600	460	5811USS		F7003FTAB11F-A			11, 4	MXTFCS	\$96,354
700	3600	575	5811USS		F7003FTAC11F-A			11, 4	MXTFCS	\$96,354
700	1800	460	5810US		F7004FLG3BM				MXTFCS	\$91,875
700	1800	575	5810US		F7004FLG3OM				MXTFCS	\$91,875
700	1800	460	5810UZ		F7004FLF4BM			2	MXTFCS	\$95,418
700	1800	575	5810UZ		F7004FLF4OM			2	MXTFCS	\$95,418

Totally Enclosed Fan Cooled High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
700	1800	460	5811US		7004FTAB11E-A	779	95.4	11	MXTFCS	\$99,357
700	1800	575	5811US		7004FTAC11E-A			11	MXTFCS	\$99,357
700	1200	460	5811US		7006FTAB11E-A			11	MXTFCS	\$103,169
700	1200	575	5811US		7006FTAC11E-A			11	MXTFCS	\$103,169
800	1800	460	5811US		8004FTAB11E-A	888	95.4	11	MXTFCS	\$101,643
800	1800	575	5811US		8004FTAC11E-A			11	MXTFCS	\$101,643

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

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Totally Enclosed Fan Cooled EPACT Efficiency

Toshiba's general purpose XT, totally enclosed fan cooled, EPACT Efficiency motor series offers a high torque and low vibration design leading to longer life and greater reliability. These motors meet the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower: 1 to 500 HP
 Speed: 3600, 1800, or 1200 RPM (250 to 500 HP)
 900 RPM (1 to 200 HP)
 Voltage: 230/460, 460 or 575 V
 Enclosure: Totally Enclosed Fan Cooled
 Frame Size: 143T through 5810US
 Construction: Cast Iron
 Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	900	230/460	143T	58	B1/28FLF2AM				MXTFCS	\$1,032
0.5	900	575	143T	58	B1/28FLF2OM				MXTFCS	\$1,032
0.75	900	230/460	145T	60	B3/48FLF2AM03	4.2/2.1	70.0		MXTFCS	\$1,134
0.75	900	575	145T	60	B3/48FLF2OM03	1.7	66.0		MXTFCS	\$1,134
1	900	230/460	182T	82	0018FCSA21A		74.0		MXTFCE	\$1,551
1	900	575	182T	82	0018FCSC21A		74.0		MXTFCE	\$1,551
1.5	900	230/460	184T	105	Y158FCSA21A		77.0		MXTFCE	\$1,830
1.5	900	575	184T	105	Y158FCSC21A		77.0		MXTFCE	\$1,830
2	900	230/460	213T	190	0028FCSA21A		82.5		MXTFCE	\$2,188
2	900	575	213T	190	0028FCSC21A		82.5		MXTFCE	\$2,188
3	900	230/460	215T	206	0038FCSA21A		84.0		MXTFCE	\$2,731
3	900	575	215T	206	0038FCSC21A		84.0		MXTFCE	\$2,731
5	900	230/460	254T	254	0058FCSA21A		85.5		MXTFCE	\$3,630
5	900	575	254T	254	0058FCSC21A		85.5		MXTFCE	\$3,630
7.5	900	230/460	256T	327	Y758FCSA21A		85.5		MXTFCE	\$4,581
7.5	900	575	256T	327	Y758FCSC21A		85.5		MXTFCE	\$4,581
10	900	230/460	284T	380	0108FCSA21A		88.5		MXTFCE	\$5,349
10	900	575	284T	380	0108FCSC21A		88.5		MXTFCE	\$5,349
15	900	230/460	286T	424	0158FCSA21A		88.5		MXTFCE	\$6,961
15	900	575	286T	424	0158FCSC21A		88.5		MXTFCE	\$6,961
20	900	230/460	324T	567	0208FCSA21A		89.5		MXTFCE	\$8,510
20	900	575	324T	567	0208FCSC21A		89.5		MXTFCE	\$8,510
25	900	230/460	326T	631	0258FCSA21A		89.5		MXTFCE	\$9,895
25	900	575	326T	631	0258FCSC21A		89.5		MXTFCE	\$9,895
30	900	230/460	364T	714	0308FCSA21A		91.0		MXTFCE	\$11,710
30	900	575	364T	714	0308FCSC21A		91.0		MXTFCE	\$11,710
40	900	230/460	365T	771	0408FCSA21A		91.0		MXTFCE	\$14,161
40	900	575	365T	771	0408FCSC21A		91.0		MXTFCE	\$14,161
50	900	230/460	404T	1241	0508FCSA21A		91.7		MXTFCE	\$16,920
50	900	575	404T	1241	0508FCSC21A		91.7		MXTFCE	\$16,920
60	900	230/460	405T	1319	0608FCSA21A		91.7		MXTFCE	\$19,327
60	900	575	405T	1319	0608FCSC21A		91.7		MXTFCE	\$19,327

Totally Enclosed Fan Cooled EPACT Efficiency



XT

LV General Purpose XT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	900	230/460	444T	1786	0758FCSA21A-R		93.0	2	MXTFCE	\$25,471
75	900	575	444T	1786	0758FCSC21A-R		93.0	2	MXTFCE	\$25,471
100	900	230/460	445T	1941	1008FCSA21A-R		93.0	2	MXTFCE	\$31,491
100	900	575	445T	1941	1008FCSC21A-R		93.0	2	MXTFCE	\$31,491
125	900	460	447T	2800	1258FCSC21A-R		93.6	2	MXTFCE	\$33,554
125	900	575	447T	2800	1258FCSC21A-R		93.6	2	MXTFCE	\$33,554
125	900	460	N449T	3800	1258FCSC21A-FR		93.6	2	MXTFCE	\$36,995
125	900	575	N449T	3800	1258FCSC21A-FR		93.6	2	MXTFCE	\$36,995
150	900	460	N449T	3820	1508FCSC21A-R		93.6	2	MXTFCE	\$42,677
150	900	575	N449T	3820	1508FCSC21A-R		93.6	2	MXTFCE	\$42,677
150	900	460	505US	2800	1508FCSC21E		93.6		MXTFCE	\$53,344
150	900	575	505US	2800	1508FCSC21E		93.6		MXTFCE	\$53,344
150	900	460	505UZ	2629	1508FCSC21G-R		93.6	2	MXTFCE	\$56,465
150	900	575	505UZ	2629	1508FCSC21G-R		93.6	2	MXTFCE	\$56,465
200	900	460	N449T	3685	2008FCSC21A-R		94.1	2	MXTFCE	\$47,635
200	900	575	N449T	3685	2008FCSC21A-R		94.1	2	MXTFCE	\$47,635
200	900	460	5010US	4650	2008FCSC21E		94.1		MXTFCE	\$59,543
200	900	575	5010US	4650	2008FCSC21E		94.1		MXTFCE	\$59,543
200	900	460	5010UZ	4650	2008FCSC21G-R		94.1	2	MXTFCE	\$62,664
200	900	575	5010UZ	4650	2008FCSC21G-R		94.1	2	MXTFCE	\$62,664
250	3600	460	N449TS		2503FCAB21B		95.4	4	MXTFCE	\$30,299
250	3600	575	N449TS		2503FCAC21B		95.4	4	MXTFCE	\$30,299
250	1800	460	N449T		2504FCAB21A		95.0		MXTFCE	\$25,602
250	1800	575	N449T		2504FCAC21A		95.0		MXTFCE	\$25,602
250	1800	460	N449T		2504FCAB21A-R		95.0	2	MXTFCE	\$26,396
250	1800	575	N449T		2504FCAC21A-R		95.0	2	MXTFCE	\$26,396
250	1200	460	N449T		2506FCAB21A-R		95.0	2	MXTFCE	\$32,647
250	1200	575	N449T		2506FCAC21A-R		95.0	2	MXTFCE	\$32,647
300	3600	460	N449TS		3003FCAB21B		95.4	4	MXTFCE	\$37,743
300	3600	575	N449TS		3003FCAC21B		95.4	4	MXTFCE	\$37,743
300	1800	460	N449T		3004FCAB21A		95.4		MXTFCE	\$28,885
300	1800	575	N449T		3004FCAC21A		95.4		MXTFCE	\$28,885
300	1800	460	N449T		3004FCAB21A-R		95.4	2	MXTFCE	\$30,505
300	1800	575	N449T		3004FCAC21A-R		95.4	2	MXTFCE	\$30,505
300	1200	460	N449T		3006FCAB21A-R		95.0	2	MXTFCE	\$42,208
300	1200	575	N449T		3006FCAC21A-R		95.0	2	MXTFCE	\$42,208
350	3600	460	N449TS		3503FCAB21B		95.4	4	MXTFCE	\$42,138
350	3600	575	N449TS		3503FCAC21B		95.4	4	MXTFCE	\$42,138
350	1800	460	N449T		3504FCAB21A		95.4		MXTFCE	\$32,478
350	1800	575	N449T		3504FCAC21A		95.4		MXTFCE	\$32,478
350	1800	460	N449T		3504FCAB21A-R		95.4	2	MXTFCE	\$34,098
350	1800	575	N449T		3504FCAC21A-R		95.4	2	MXTFCE	\$34,098
350	1200	460	N449T		3506FCAB21A-R		95.0	2	MXTFCE	\$44,500
350	1200	575	N449T		3506FCAC21A-R		95.0	2	MXTFCE	\$44,500
400	3600	460	N449TS		4003FCAB21B		95.4	4	MXTFCE	\$52,492
400	3600	575	N449TS		4003FCAC21B		95.4	4	MXTFCE	\$52,492
400	1800	460	N449T		4004FCAB21A		95.4		MXTFCE	\$45,076

Totally Enclosed Fan Cooled EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	1800	575	N449T		4004FCAC21A		95.4		MXTFCE	\$45,076
400	1800	460	N449T		4004FCAB21A-R		95.4	2	MXTFCE	\$46,696
400	1800	575	N449T		4004FCAC21A-R		95.4	2	MXTFCE	\$46,696
450	3600	460	5010USS		4503FCAB21F		95.4	4	MXTFCE	\$59,061
450	3600	575	5010USS		4503FCAC21F		95.4	4	MXTFCE	\$59,061
450	1800	460	5010US		4504FCAB21E		95.4		MXTFCE	\$48,510
450	1800	575	5010US		4504FCAC21E		95.4		MXTFCE	\$48,510
450	1800	460	5010UZ		4504FCAB21G-R		95.4	2	MXTFCE	\$50,130
450	1800	575	5010UZ		4504FCAC21G-R		95.4	2	MXTFCE	\$50,130
500	3600	460	5810USS		5003FCAB21F		95.4	4	MXTFCE	\$65,620
500	3600	575	5810USS		5003FCAC21F		95.4	4	MXTFCE	\$65,620
500	1800	460	5810US		5004FCAB21E		95.8		MXTFCE	\$53,899
500	1800	575	5810US		5004FCAC21E		95.8		MXTFCE	\$53,899
500	1800	460	5810UZ		5004FCAB21G-R		95.8	2	MXTFCE	\$55,519
500	1800	575	5810UZ		5004FCAC21G-R		95.8	2	MXTFCE	\$55,519

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

**Totally Enclosed
Fan Cooled
EQPIII
NEMA Premium®
Efficiency**



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry's ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.

XT

Product Scope

Horsepower: 1/2 to 400 HP
 Speed: 3600, 1800, or 1200 RPM (1/2 to 75 HP)
 900 RPM (3/4 to 400 HP)
 Voltage: 230/460, 460 or 575 V
 Enclosure: Totally Enclosed Fan Cooled
 Frame Size: 143T through 5810US
 Construction: Cast Iron
 Vibration (Unfiltered): Typically 0.08 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

Standard Features:

- IP54 Protection (With Addition of Cast Iron Conduit Box)
- Insulation System's Major Components Made from Class H Materials
- Voltage Withstand Capability of 2000 V in 0.1 μs
- Inverter Duty Capability of 20:1 Constant Torque (1 to 200 HP, 4 & 6-Pole)
- L-10 Bearing Life of 150,000 Hours Directly Coupled
- L-10 Bearing Life of 40,000 Hours Belted
- Terminal Lugs on 280 Frames & Larger
- 100% No-Load Commercial Test on All Motors
- Ball-Pass Frequency Tested on Frames 440 & Larger

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	143T	60	B1/24FLF2AMH	1.5/0.75	82.5*		MXTFCP	\$811
0.5	1800	575	143T	60	B1/24FLF2OMH	1.2/0.60	82.5*		MXTFCP	\$811
0.5	1200	230/460	143T	60	B1/26FLF2AMH	1.8/0.9	77.0*		MXTFCP	\$957
0.5	1200	575	143T	60	B1/26FLF2OMH	0.8	78.5*		MXTFCP	\$957
0.75	1800	230/460	143T	60	B3/44FLF2AMH	2.2/1.1	85.5*		MXTFCP	\$853
0.75	1800	575	143T	60	B3/44FLF2OMH	0.85	85.5*		MXTFCP	\$853
0.75	1200	230/460	143T	60	B3/46FLF2AMH03	3/1.5	80.0*		MXTFCP	\$1,007
0.75	1200	230/460	143T	57	B3/46FLF2AYH	3.0/1.5	80.0*	1, 10	MXTFCP	\$872
0.75	1200	575	143T	60	B3/46FLF2OMH03	1.2	80.0*		MXTFCP	\$959

LV General Purpose CT

Totally Enclosed Fan Cooled EQP III
NEMA Premium® Efficiency



LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	575	143T	57	B3/46FLF2OYH	1.2	80.0*	1, 10	MXTFCP	\$872
0.75	900	230/460	145T	62	B3/48FLF2AMH	4.2/2.1	72.0*		MXTFCP	\$1,638
0.75	900	575	145T	62	B3/48FLF2OMH	1.5	74.0*		MXTFCP	\$1,638
1	1800	230/460	143T	60	B0014FLF2AMH03	2.8/1.4	85.5		MXTFCP	\$853
1	1800	230/460	143T	60	B0014FLF2AYH	2.8/1.4	85.5	1, 10	MXTFCP	\$739
1	1800	575	143T	60	B0014FLF2OMH03	1.1	85.5		MXTFCP	\$853
1	1800	575	143T	60	B0014FLF2OYH	1.1	85.5	1, 10	MXTFCP	\$739
1	1200	230/460	145T	62	B0016FLF2AMH03	3.6/1.8	82.5		MXTFCP	\$1,062
1	1200	230/460	145T	62	B0016FLF2AYH	3.6/1.8	82.5	1, 10	MXTFCP	\$918
1	1200	575	145T	62	B0016FLF2OMH03	1.4	82.5		MXTFCP	\$1,062
1	1200	575	145T	62	B0016FLF2OYH	1.4	82.5	1, 10	MXTFCP	\$918
1	900	230/460	182T	82	B0018FLF2AMH	4.4 / 2.2	82.5*		MXTFCP	\$1,724
1	900	575	182T	82	B0018FLF2OMH	1.7	82.5*		MXTFCP	\$1,724
1.5	3600	230/460	143T	54	BY152FLF2AMH03	4.2/2.1	84.0		MXTFCP	\$967
1.5	3600	230/460	143T	54	BY152FLF2AYH	4.2/2.1	84.0	1, 10	MXTFCP	\$805
1.5	3600	575	143T	54	BY152FLF2OMH03	1.7	84.0		MXTFCP	\$967
1.5	3600	575	143T	54	BY152FLF2OYH	1.7	84.0	1, 10	MXTFCP	\$805
1.5	1800	230/460	145T	61	BY154FLF2AMH03	4.4/2.2	86.5		MXTFCP	\$937
1.5	1800	230/460	145T	61	BY154FLF2AYH	4.4/2.2	86.5	1, 10	MXTFCP	\$812
1.5	1800	575	145T	61	BY154FLF2OMH03	1.8	86.5		MXTFCP	\$937
1.5	1800	575	145T	61	BY154FLF2OYH	1.8	86.5	1, 10	MXTFCP	\$812
1.5	1200	230/460	182T	82	BY156FLF2AMH03	5/2.5	87.5		MXTFCP	\$1,133
1.5	1200	230/460	182T	82	BY156FLF2AYH	5.0/2.5	86.5	1, 10	MXTFCP	\$980
1.5	1200	575	182T	82	BY156FLF2OMH03	2.0	86.5		MXTFCP	\$1,079
1.5	1200	575	182T	82	BY156FLF2OYH	2.0	86.5	1, 10	MXTFCP	\$980
1.5	900	230/460	184T	105	BY158FLF2AMH	6.8 / 3.4	82.5*		MXTFCP	\$2,034
1.5	900	575	184T	105	BY158FLF2OMH	2.8	82.5*		MXTFCP	\$2,034
2	3600	230/460	145T	61	B0022FLF2AMH03	5.4/2.7	86.5		MXTFCP	\$1,125
2	3600	230/460	145T	61	B0022FLF2AYH	5.4/2.7	86.5	1, 10	MXTFCP	\$975
2	3600	575	145T	61	B0022FLF2OMH03	2.2	86.5		MXTFCP	\$1,125
2	3600	575	145T	61	B0022FLF2OYH	2.2	86.5	1, 10	MXTFCP	\$975
2	1800	230/460	145T	62	B0024FLF2AMH03	5.6/2.8	86.5		MXTFCP	\$1,020
2	1800	230/460	145T	62	B0024FLF2AYH	5.6/2.8	86.5	1, 10	MXTFCP	\$883
2	1800	575	145T	62	B0024FLF2OMH03	2.2	86.5		MXTFCP	\$1,020
2	1800	575	145T	62	B0024FLF2OYH	2.2	86.5	1, 10	MXTFCP	\$883
2	1200	230/460	184T	105	B0026FLF2AMH03	6.6/3.3	88.5		MXTFCP	\$1,312
2	1200	230/460	184T	105	B0026FLF2AYH	6.6/3.3	88.5	1, 10	MXTFCP	\$1,136
2	1200	575	184T	105	B0026FLF2OMH03	2.6	88.5		MXTFCP	\$1,312
2	1200	575	184T	105	B0026FLF2OYH	2.6	88.5	1, 10	MXTFCP	\$1,136
2	900	230/460	213T	190	B0028FLF2AMH	6.6/3.3	86.5*		MXTFCP	\$2,431
2	900	575	213T	190	B0028FLF2OMH	2.6	86.5*		MXTFCP	\$2,431
3	3600	230/460	182T	91	B0032FLF2AMH03	7.2/3.6	88.5		MXTFCP	\$1,245
3	3600	230/460	182T	91	B0032FLF2AYH	7.2/3.6	88.5	1, 10	MXTFCP	\$1,031
3	3600	575	182T	91	B0032FLF2OMH03	2.9	88.5		MXTFCP	\$1,245
3	3600	575	182T	91	B0032FLF2OYH	2.9	88.5	1, 10	MXTFCP	\$1,031
3	1800	230/460	182T	94	B0034FLF2AMH03	7.6/3.8	89.5		MXTFCP	\$1,171
3	1800	230/460	182T	94	B0034FLF2AYH	7.6/3.8	89.5	1, 10	MXTFCP	\$1,013

**Totally Enclosed Fan Cooled
EQPIII
NEMA Premium® Efficiency**



XT

LV General Purpose XT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

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Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	575	182T	94	B0034FLF2OMH03	3.0	89.5			\$1,171
3	1800	575	182T	94	B0034FLF2OYH	3.0	89.5	1, 10		\$1,013
3	1200	230/460	213T	190	B0036FLF2AMH04	8.2/4.1	90.2			\$1,515
3	1200	575	213T	190	B0036FLF2OMH04	3.3	90.2			\$1,515
3	900	230/460	215T	206	B0038FLF2AMH	10.0 / 5.0	87.5*			\$3,035
3	900	575	215T	206	B0038FLF2OMH	4.0	87.5*			\$3,035
5	3600	230/460	184T	104	B0052FLF2AMH03	11.4/5.7	89.5			\$1,475
5	3600	230/460	184T	104	B0052FLF2AYH	11.4/5.7	89.5	1, 10		\$1,278
5	3600	575	184T	104	B0052FLF2OMH03	4.6	89.5			\$1,475
5	3600	575	184T	104	B0052FLF2OYH	4.6	89.5	1, 10		\$1,278
5	1800	230/460	184T	106	B0054FLF2AMH03	12.6/6.3	89.5			\$1,337
5	1800	230/460	184T	106	B0054FLF2AYH	12.6/6.3	89.5	1, 10		\$1,157
5	1800	575	184T	106	B0054FLF2OMH03	5.0	89.5			\$1,337
5	1800	575	184T	106	B0054FLF2OYH	5.0	89.5	1, 10		\$1,157
5	1200	230/460	215T	206	B0056FLF2AMH04	13.4/6.7	90.2			\$2,121
5	1200	575	215T	206	B0056FLF2OMH04	5.4	90.2			\$2,121
5	900	230/460	254T	254	B0058FLF2AMH	16.0 / 8.0	90.2*			\$4,034
5	900	575	254T	254	B0058FLF2OMH	6.4	90.2*			\$4,034
7.5	3600	230/460	213T	185	BY752FLF2UMH04	18/9	90.2			\$1,649
7.5	3600	575	213T	185	BY752FLF2OMH04	7.2	90.2			\$1,649
7.5	1800	230/460	213T	179	BY754FLF2USH04	18.2/9.1	91.7			\$1,570
7.5	1800	575	213T	179	BY754FLF2OSH04	7.3	91.7			\$1,570
7.5	1200	230/460	254T	254	BY756FLF2USH02	19.6/9.8	91.7			\$2,674
7.5	1200	575	254T	254	BY756FLF2OSH02	7.8	91.7			\$2,674
7.5	900	230/460	256T	327	BY758FLF2USH	23.0 / 11.5	90.2*			\$5,090
7.5	900	575	256T	327	BY758FLF2OSH	9.0	90.2*			\$5,090
10	3600	230/460	215T	202	B0102FLF2UMH04	23/11.5	90.2			\$1,979
10	3600	575	215T	202	B0102FLF2OMH04	9.2	90.2			\$1,979
10	1800	230/460	215T	210	B0104FLF2USH04	24/12	91.7			\$1,911
10	1800	575	215T	210	B0104FLF2OSH04	9.6	91.7			\$1,911
10	1200	230/460	256T	327	B0106FLF2USH02	26/13	92.4			\$3,267
10	1200	575	256T	327	B0106FLF2OSH02	10.4	92.4			\$3,267
10	900	230/460	284T	380	B0108FLF2USH	30.0 / 15.0	90.2*			\$5,943
10	900	575	284T	380	B0108FLF2OSH	11.8	90.2*			\$5,943
15	3600	230/460	254T	320	B0152FLF2USH02	34/17	91.7			\$2,721
15	3600	575	254T	320	B0152FLF2OSH02	13.6	91.7			\$2,721
15	1800	230/460	254T	310	B0154FLF2USH02	37/18.5	92.4			\$2,579
15	1800	575	254T	310	B0154FLF2OSH02	14.8	92.4			\$2,579
15	1200	230/460	284T	380	B0156FLF3UMH02	38/19	92.4			\$4,580
15	1200	575	284T	380	B0156FLF3OMH02	15.2	92.4			\$4,580
15	900	230/460	286T	424	B0158FLF3UMH	42.0 / 21.0	90.2*			\$7,735
15	900	575	286T	424	B0158FLF3OMH	17.8	90.2*			\$7,735
20	3600	230/460	256T	346	B0202FLF2USH02	44/22	92.4			\$3,357
20	3600	575	256T	346	B0202FLF2OSH02	17.6	92.4			\$3,357
20	1800	230/460	256T	345	B0204FLF2USH02	50/25	93.0			\$3,186
20	1800	575	256T	345	B0204FLF2OSH02	20	93.0			\$3,186
20	1200	230/460	286T	490	B0206FLF3UMH02	50/25	91.7			\$5,364

Totally Enclosed Fan Cooled EQIII
NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
20	1200	575	286T	490	B0206FLF3OMH02	20	91.7		MXTFCP	\$5,364
20	900	230/460	324T	567	B0208FLF3UMH	60.0 / 30.0	91.7*		MXTFCP	\$9,455
20	900	575	324T	567	B0208FLF3OMH	24	91.7*		MXTFCP	\$9,455
25	3600	230/460	284TS	425	B0252FLG3UMH02	56/28	92.4		MXTFCP	\$4,325
25	3600	575	284TS	425	B0252FLG3OMH02	22	92.4		MXTFCP	\$4,325
25	1800	230/460	284T	443	B0254FLF3UMH02	58/29	93.6		MXTFCP	\$3,864
25	1800	575	284T	443	B0254FLF3OMH02	24	93.6		MXTFCP	\$3,864
25	1200	230/460	324T	567	B0256FLF3UMH02	64/32	93.0		MXTFCP	\$6,836
25	1200	575	324T	567	B0256FLF3OMH02	26	93.0		MXTFCP	\$6,836
25	900	230/460	326T	631	B0258FLF3UMH	76.0 / 38.0	91.7*		MXTFCP	\$10,994
25	900	575	326T	631	B0258FLF3OMH	30	91.7*		MXTFCP	\$10,994
30	3600	230/460	286TS	463	B0302FLG3UMH02	66/33	92.4		MXTFCP	\$4,829
30	3600	575	286TS	463	B0302FLG3OMH02	26	92.4		MXTFCP	\$4,829
30	1800	230/460	286T	475	B0304FLF3UMH02	70/35	93.6		MXTFCP	\$4,646
30	1800	575	286T	475	B0304FLF3OMH02	29.0	93.6		MXTFCP	\$4,646
30	1200	230/460	326T	631	B0306FLF3UMH02	76/38	93.6		MXTFCP	\$7,949
30	1200	575	326T	631	B0306FLF3OMH02	30	93.6		MXTFCP	\$7,949
30	900	230/460	364T	714	B0308FLF3UMH	84.0 / 42.0	92.4*		MXTFCP	\$13,011
30	900	575	364T	714	B0308FLF3OMH	34	92.4*		MXTFCP	\$13,011
40	3600	230/460	324TS	535	B0402FLG3UMH02	92/46	93.0		MXTFCP	\$6,261
40	3600	575	324TS	535	B0402FLG3OMH02	37	93.0		MXTFCP	\$6,261
40	1800	230/460	324T	569	B0404FLF3USH02	94/47	94.1		MXTFCP	\$6,007
40	1800	575	324T	569	B0404FLF3OSH02	38	94.1		MXTFCP	\$6,007
40	1200	230/460	364T	714	B0406FLF3UMH02	96/48	94.1		MXTFCP	\$10,399
40	1200	575	364T	714	B0406FLF3OMH02	38	94.1		MXTFCP	\$10,399
40	900	230/460	365T	771	B0408FLF3UMH	114.0 / 57.0	93.0*		MXTFCP	\$15,735
40	900	575	365T	771	B0408FLF3OMH	45.0	93.0*		MXTFCP	\$15,735
50	3600	230/460	326TS	610	B0502FLG3UMH02	114/57	93.0		MXTFCP	\$8,266
50	3600	575	326TS	610	B0502FLG3OMH02	46.0	93.0		MXTFCP	\$8,266
50	1800	230/460	326T	634	B0504FLF3USH02	120/60	94.5		MXTFCP	\$7,326
50	1800	575	326T	634	B0504FLF3OSH02	48	94.1		MXTFCP	\$7,326
50	1200	230/460	365T	771	B0506FLF3UMH02	122/61	94.1		MXTFCP	\$12,140
50	1200	575	365T	771	B0506FLF3OMH02	48	94.1		MXTFCP	\$12,140
50	900	230/460	404T	1241	B0508FLF3UMH	152.0 / 76.0	93.6*		MXTFCP	\$18,800
50	900	575	404T	1241	B0508FLF3OMH	62	93.6*		MXTFCP	\$18,800
60	3600	230/460	364TS	730	B0602FLG3UMH02	140/70	93.6		MXTFCP	\$10,187
60	3600	575	364TS	730	B0602FLG3OMH02	56.0	93.6		MXTFCP	\$10,187
60	1800	230/460	364T	781	B0604FLF3UMH02	142/71	95.0		MXTFCP	\$10,324
60	1800	575	364T	781	B0604FLF3OMH02	57	95.0		MXTFCP	\$10,324
60	900	230/460	405T	1319	B0608FLF3USH	196/98	93.6*		MXTFCP	\$21,475
60	900	575	405T	1319	B0608FLF3OSH	75.0	93.6*		MXTFCP	\$21,475
75	3600	230/460	365TS	773	B0752FLG3UMH02	174/87	93.6		MXTFCP	\$12,828
75	3600	575	365TS	773	B0752FLG3OMH02	70.0	93.6		MXTFCP	\$12,828
75	1800	230/460	365T	839	B0754FLF3UMH02	178/89	95.4		MXTFCP	\$13,300
75	1800	575	365T	839	B0754FLF3OMH02	71	95.4		MXTFCP	\$13,300
75	900	230/460	444T	1786	B0758FLF4USH	222/111	94.5*	2	MXTFCP	\$28,301
75	900	575	444T	1786	B0758FLF4OSH	99	94.5*	2	MXTFCP	\$28,301

**Totally Enclosed Fan Cooled
EQPIII
NEMA Premium® Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	900	230/460	445T	1941	B1008FLF4USH	304/152	93.6*	2	MXTFCP	\$34,990
100	900	575	445T	1941	B1008FLF4OSH	125	93.6*	2	MXTFCP	\$34,990
125	900	460	447T	2800	B1258FLF4BMH	193	93.6*	2	MXTFCP	\$37,283
125	900	460	N449T	3800	B1258FLF4BMHL	156	95.0*	2	MXTFCP	\$41,106
125	900	575	447T	2800	B1258FLF4OMH	155	93.6*	2	MXTFCP	\$37,283
125	900	575	N449T	3800	B1258FLF4OMHL	125	95.0*	2	MXTFCP	\$41,106
150	900	460	N449T	3820	B1508FLF4BMHL	186	95.0*	2	MXTFCP	\$47,418
150	900	460	505US	2800	B1508FLG3BMH	212	95.4*		MXTFCP	\$59,271
150	900	460	505UZ	2629	B1508FLF4BMH	212	95.4*	2	MXTFCP	\$62,739
150	900	575	N449T	3820	B1508FLF4OMHL	150	95.0*	2	MXTFCP	\$47,418
150	900	575	505US	2800	B1508FLG3OMH	165	95.4*		MXTFCP	\$59,271
150	900	575	505UZ	2629	B1508FLF4OMH	165	95.4*	2	MXTFCP	\$62,739
200	900	460	N449T	3685	B2008FLF4BMHL	249	95.0*	2	MXTFCP	\$52,928
200	900	460	5010US	4650	B2008FLG3BMH	361	95.4*		MXTFCP	\$66,159
200	900	460	5010UZ	4650	B2008FLF4BMH	361	95.4*	2	MXTFCP	\$69,627
200	900	575	N449T	3685	B2008FLF4OMHL	199	95.0*	2	MXTFCP	\$52,928
200	900	575	5010US	4650	B2008FLG3OMH	278	95.4*		MXTFCP	\$66,159
200	900	575	5010UZ	4650	B2008FLF4OMH	278	95.4*	2	MXTFCP	\$69,627
250	900	460	N449T	3930	B2508FLF4BMHL	336	94.5*	2	MXTFCP	\$66,147
250	900	460	N587US		B2508FLF4BMH	321	95.0*	2	MXTFCP	\$69,454
250	900	575	N449T	3930	B2508FLF4OMHL	269	94.5*	2	MXTFCP	\$66,147
250	900	575	N587US		B2508FLF4OMH	257	95.0*	2	MXTFCP	\$69,454
300	900	460	5810US	6093	F3008FLG3BMH	388	95.0*		MXTFCP	\$70,898
300	900	460	5810UZ	6093	F3008FLF4BMH	388	95.0*	2	MXTFCP	\$74,886
300	900	575	5810US	6093	F3008FLG3OMH	310	95.0*		MXTFCP	\$70,898
300	900	575	5810UZ	6093	F3008FLF4OMH	310	95.0*	2	MXTFCP	\$74,886
350	900	460	5810US		F3508FLG3BMH	444	95.4*		MXTFCP	\$82,714
350	900	460	5810UZ		F3508FLF4BMH	444	95.4*	2	MXTFCP	\$86,701
350	900	575	5810US		F3508FLG3OMH	356	95.4*		MXTFCP	\$82,714
350	900	575	5810UZ		F3508FLF4OMH	356	95.4*	2	MXTFCP	\$86,701
400	900	460	5810US		F4008FLG3BMH				MXTFCP	\$94,530
400	900	460	5810UZ		F4008FLF4BMH			2	MXTFCP	\$98,518
400	900	575	5810US		F4008FLG3OMH				MXTFCP	\$94,530
400	900	575	5810UZ		F4008FLF4OMH			2	MXTFCP	\$98,518

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

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Totally Enclosed Fan Cooled EQPIII C-Face Footed NEMA Premium® Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII C-Face Footed motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry's ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.



Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC to 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	57	B3/46FLT2AMH	3.0/1.5	80.0*		MXTFCP	\$1,089
0.75	1200	575	143TC	57	B3/46FLT2OMH	1.2	80.0*		MXTFCP	\$1,089
1	1800	230/460	143TC	58	B0014FLT2AMH	2.8/1.4	85.5		MXTFCP	\$942
1	1800	230/460	143TC	58	B0014FLT2AYH	2.8/1.4	85.5	1	MXTFCP	\$869
1	1800	575	143TC	58	B0014FLT2OMH	1.1	85.5		MXTFCP	\$942
1	1200	230/460	145TC	62	B0016FLT2AMH	3.6/1.8	82.5		MXTFCP	\$1,140
1	1200	575	145TC	62	B0016FLT2OMH	1.4	82.5		MXTFCP	\$1,140
1.5	3600	230/460	143TC	54	BY152FLT2AMH	4.2/2.1	84.0		MXTFCP	\$1,051
1.5	3600	575	143TC	54	BY152FLT2OMH	1.7	84.0		MXTFCP	\$1,051
1.5	1800	230/460	145TC	54	BY154FLT2AMH	4.4/2.2	86.5		MXTFCP	\$1,023
1.5	1800	230/460	145TC	54	BY154FLT2AYH	4.4/2.2	86.5	1	MXTFCP	\$942
1.5	1800	575	145TC	54	BY154FLT2OMH	1.8	86.5		MXTFCP	\$1,023
1.5	1200	230/460	182TC	82	BY156FLT2AMH	5.0/2.5	87.5		MXTFCP	\$1,210
1.5	1200	575	182TC	82	BY156FLT2OMH	2.0	86.5		MXTFCP	\$1,210
2	3600	230/460	145TC	54	B0022FLT2AMH	5.4/2.7	86.5		MXTFCP	\$1,202
2	3600	575	145TC	54	B0022FLT2OMH	2.2	86.5		MXTFCP	\$1,202
2	1800	230/460	145TC	62	B0024FLT2AMH	5.6/2.8	86.5		MXTFCP	\$1,101
2	1800	230/460	145TC	62	B0024FLT2AYH	5.6/2.8	86.5	1	MXTFCP	\$1,013
2	1800	575	145TC	62	B0024FLT2OMH	2.2	86.5		MXTFCP	\$1,101
2	1200	230/460	184TC	95	B0026FLT2AMH	6.6/3.3	88.5		MXTFCP	\$1,379
2	1200	575	184TC	95	B0026FLT2OMH	2.6	88.5		MXTFCP	\$1,379

**Totally Enclosed Fan Cooled
EQIII C-Face Footed
NEMA Premium® Efficiency**



XT

LV General Purpose CT

LV General Purpose XT

EQ Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	182TC	95	B0032FLT2AMH	7.2/3.6	88.5			\$1,315
3	3600	575	182TC	95	B0032FLT2OMH	2.9	88.5			\$1,315
3	1800	230/460	182TC	95	B0034FLT2AMH	7.6/3.8	89.5			\$1,244
3	1800	230/460	182TC	95	B0034FLT2AYH	7.6/3.8	89.5	1		\$1,190
3	1800	575	182TC	95	B0034FLT2OMH	3.0	89.5			\$1,244
3	1200	230/460	213TC	137	B0036FLT2AMH	8.2/4.1	90.2			\$1,632
3	1200	575	213TC	137	B0036FLT2OMH	3.3	90.2			\$1,632
5	3600	230/460	184TC	95	B0052FLT2AMH	11.4/5.7	89.5			\$1,536
5	3600	575	184TC	95	B0052FLT2OMH	4.6	89.5			\$1,536
5	1800	230/460	184TC	106	B0054FLT2AMH	12.6/6.3	89.5			\$1,403
5	1800	230/460	184TC	106	B0054FLT2AYH	12.6/6.3	89.5	1		\$1,334
5	1800	575	184TC	106	B0054FLT2OMH	5.0	89.5			\$1,403
5	1200	230/460	215TC	206	B0056FLT2AMH	13.4/6.7	90.2			\$2,310
5	1200	575	215TC	206	B0056FLT2OMH	5.4	90.2			\$2,310
7.5	3600	230/460	213TC	180	BY752FLT2UMH	18/9	90.2			\$1,759
7.5	3600	575	213TC	180	BY752FLT2OMH	7.2	90.2			\$1,759
7.5	1800	230/460	213TC	180	BY754FLT2USH	18.2/9.1	91.7			\$1,759
7.5	1800	575	213TC	180	BY754FLT2OSH	7.3	91.7			\$1,759
7.5	1200	230/460	254TC	284	BY756FLT2USH	19.6/9.8	91.7			\$2,993
7.5	1200	575	254TC	284	BY756FLT2OSH	7.8	91.7			\$2,993
10	3600	230/460	215TC	202	B0102FLT2UMH	23/11.5	90.2			\$2,074
10	3600	575	215TC	202	B0102FLT2OMH	9.2	90.2			\$2,074
10	1800	230/460	215TC	201	B0104FLT2USH	24/12	91.7			\$2,100
10	1800	575	215TC	201	B0104FLT2OSH	9.6	91.7			\$2,100
10	1200	230/460	256TC	327	B0106FLT2USH	26/13	92.4			\$3,586
10	1200	575	256TC	327	B0106FLT2OSH	10.4	92.4			\$3,586
15	3600	230/460	254TC	310	B0152FLT2USH	34/17	91.7			\$2,911
15	3600	575	254TC	310	B0152FLT2OSH	13.6	91.7			\$2,911
15	1800	230/460	254TC	310	B0154FLT2USH	37/18.5	92.4			\$2,899
15	1800	575	254TC	310	B0154FLT2OSH	14.8	92.4			\$2,899
20	3600	230/460	256TC	310	B0202FLT2USH	44/22	92.4			\$3,675
20	3600	575	256TC	310	B0202FLT2OSH	17.6	92.4			\$3,675
20	1800	230/460	256TC	340	B0204FLT2USH	50/25	93.0			\$3,506
20	1800	575	256TC	340	B0204FLT2OSH	20	93.0			\$3,506
25	3600	230/460	284TSC	425	B0252FLT3UMH	56/28	92.4			\$4,592
25	3600	575	284TSC	425	B0252FLT3OMH	22	92.4			\$4,592
25	1800	230/460	284TC	443	B0254FLT3UMH	58/29	93.6			\$4,337
25	1800	575	284TC	443	B0254FLT3OMH	24	93.6			\$4,337
30	3600	230/460	286TSC	409	B0302FLT3UMH	66/33	92.4			\$5,207
30	3600	575	286TSC	409	B0302FLT3OMH	26	92.4			\$5,207
30	1800	230/460	286TC	475	B0304FLT3UMH	70/35	93.6			\$5,119
30	1800	575	286TC	475	B0304FLT3OMH	29	93.6			\$5,119
40	3600	230/460	324TSC	514	B0402FLT3UMH	92/46	93.0			\$6,482
40	3600	575	324TSC	514	B0402FLT3OMH	37	93.0			\$6,482
40	1800	230/460	324TC	569	B0404FLT3USH	94/47	94.1			\$6,528
40	1800	575	324TC	569	B0404FLT3OSH	38	94.1			\$6,528

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**Totally Enclosed Fan Cooled
 EQPIII C-Face Footed
 NEMA Premium® Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	3600	230/460	326TSC	514	B0502FLU3UMH	114/57	93.0		MXTFCP	\$8,786
50	3600	575	326TSC	514	B0502FLU3OMH	46	93.0		MXTFCP	\$8,786
50	1800	230/460	326TC	634	B0504FLT3USH	120/60	94.5		MXTFCP	\$7,845
50	1800	575	326TC	634	B0504FLT3OSH	48	94.1		MXTFCP	\$7,845
60	3600	230/460	364TSC	736	B0602FLU3UMH	140/70	93.6		MXTFCP	\$11,132
60	3600	575	364TSC	736	B0602FLU3OMH	56	93.6		MXTFCP	\$11,132
60	1800	230/460	364TC	781	B0604FLT3UMH	142/71	95.0		MXTFCP	\$11,269
60	1800	575	364TC	781	B0604FLT3OMH	57	96.0		MXTFCP	\$11,269
75	3600	230/460	365TSC	736	B0752FLU3UMH	174/87	93.6		MXTFCP	\$13,773
75	3600	575	365TSC	736	B0752FLU3OMH	70	93.6		MXTFCP	\$13,773
75	1800	230/460	365TC	839	B0754FLT3UMH	178/89	95.4		MXTFCP	\$14,245
75	1800	575	365TC	839	B0754FLT3OMH	71	95.4		MXTFCP	\$14,245

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled C-Face Footless High Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, high efficiency, C-Face Footless motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product performance. This product line offers exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

XT

Product Scope

Horsepower: 1/2 to 2 HP
 Speed: 3600, 1800, or 1200 RPM
 Voltage: 230/460 or 575 V
 Enclosure: Totally Enclosed Fan Cooled
 Frame Size: 56C Frame
 Construction: Cast Iron
 Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	56C	47	B1/24EMC2AOZ	1.7/0.85	78.5	1	MXTFCS	\$468
0.5	1800	575	56C	47	B1/24EMC2OOZ	0.68	78.5	1	MXTFCS	\$468
0.5	1200	230/460	56C	51	B1/26FMC2AOZ	2.0/1.0	77.0	1	MXTFCS	\$654
0.5	1200	575	56C	51	B1/26FMC2OOZ	0.8	77.0	1	MXTFCS	\$654
0.75	3600	230/460	56C	47	B3/42FMC2AOZ	2.2/1.1	77.0	1	MXTFCS	\$430
0.75	3600	575	56C	47	B3/42FMC2OOZ	0.88	77.0	1	MXTFCS	\$430
0.75	1800	230/460	56C	54	B3/44FMC2AOZ	2.2/1.1	81.5	1	MXTFCS	\$500
0.75	1800	575	56C	54	B3/44FMC2OOZ	0.88	81.5	1	MXTFCS	\$500
0.75	1200	230/460	56C	51	B3/46FLC2AOZ	2.8/1.4	78.5	1	MXTFCS	\$684
0.75	1200	575	56C	51	B3/46FLC2OOZ	1.1	78.5	1	MXTFCS	\$684
1	3600	230/460	56C	48	B0012FMC2AOZ	2.7/1.35	80.0	1	MXTFCS	\$509
1	3600	575	56C	48	B0012FMC2OOZ	1.1	80.0	1	MXTFCS	\$509
1	1800	230/460	56C	54	B0014FLC2AOZ	2.9/1.45	82.5	1	MXTFCS	\$533
1	1800	575	56C	54	B0014FLC2OOZ	1.2	82.5	1	MXTFCS	\$533
1	1200	230/460	56C	52	B0016FLC2AOZ	3.7/1.85	78.5	1	MXTFCS	\$671
1	1200	575	56C	52	B0016FLC2OOZ	1.5	78.5	1	MXTFCS	\$671
1.5	3600	230/460	56C	51	BY152FLC2AOZ	3.8/1.9	82.5	1	MXTFCS	\$560
1.5	3600	575	56C	51	BY152FLC2OOZ	1.6	82.5	1	MXTFCS	\$560
1.5	1800	230/460	56C	52	BY154FLC2AOZ	4.5/2.25	81.5	1	MXTFCS	\$566
1.5	1800	575	56C	52	BY154FLC2OOZ	1.8	81.5	1	MXTFCS	\$566
1.5	1200	230/460	56C	56	BY156FLC2AOZ	5.4/2.7	78.5	1	MXTFCS	\$765
1.5	1200	575	56C	56	BY156FLC2OOZ	2.2	78.5	1	MXTFCS	\$765
2	3600	230/460	56C	52	B0022FLC2AOZ	5.2/2.6	84.0	1	MXTFCS	\$638
2	3600	575	56C	52	B0022FLC2OOZ	2.1	84.0	1	MXTFCS	\$638
2	1800	230/460	56C	53	B0024FLC2AOZ	5.8/2.9	84.0	1	MXTFCS	\$605
2	1800	575	56C	53	B0024FLC2OOZ	2.3	84.0	1	MXTFCS	\$605

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Totally Enclosed Fan Cooled EQPIII C-Face Footless NEMA Premium® Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII C-Face Footless motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry's ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.



Product Scope

- Horsepower: 3/4 to 75 HP
- Speed: 3600, 1800, or 1200 RPM
- Voltage: 230/460 or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143TC to 365TC
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.08 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	57	B3/46FLC2AMH02	3.0/1.5	80.0*		MXTFCP	\$1,148
0.75	1200	575	143TC	57	B3/46FLC2OMH02	1.2	80.0*		MXTFCP	\$1,148
1	1800	230/460	143TC	58	B0014FLC2AMH02	2.8/1.4	85.5		MXTFCP	\$1,001
1	1800	575	143TC	58	B0014FLC2OMH02	2.8/1.4	85.5		MXTFCP	\$1,001
1	1200	230/460	145TC	62	B0016FLC2AMH02	3.6/1.8	82.5		MXTFCP	\$1,200
1	1200	575	145TC	62	B0016FLC2OMH02	1.4	82.5		MXTFCP	\$1,200
1.5	3600	230/460	143TC	54	BY152FLC2AMH02	4.2/2.1	84.0		MXTFCP	\$1,110
1.5	3600	575	143TC	54	BY152FLC2OMH02	1.7	84.0		MXTFCP	\$1,110
1.5	1800	230/460	145TC	61	BY154FLC2AMH02	4.4/2.2	86.5		MXTFCP	\$1,081
1.5	1800	575	145TC	61	BY154FLC2OMH02	1.8	86.5		MXTFCP	\$1,081
1.5	1200	230/460	182TC	82	BY156FLC2AMH02	5.0/2.5	87.5		MXTFCP	\$1,268
1.5	1200	575	182TC	82	BY156FLC2OMH02	2.0	86.5		MXTFCP	\$1,268
2	3600	230/460	145TC	61	B0022FLC2AMH02	5.4/2.7	86.5		MXTFCP	\$1,261
2	3600	575	145TC	61	B0022FLC2OMH02	2.2	86.5		MXTFCP	\$1,261
2	1800	230/460	145TC	62	B0024FLC2AMH02	5.6/2.8	86.5		MXTFCP	\$1,160
2	1800	575	145TC	62	B0024FLC2OMH02	2.2	86.5		MXTFCP	\$1,160
2	1200	230/460	184TC	105	B0026FLC2AMH02	6.6/3.3	88.5		MXTFCP	\$1,439
2	1200	575	184TC	105	B0026FLC2OMH02	2.6	88.5		MXTFCP	\$1,439
3	3600	230/460	182TC	91	B0032FLC2AMH02	7.2/3.6	88.5		MXTFCP	\$1,375
3	3600	575	182TC	91	B0032FLC2OMH02	2.9	88.5		MXTFCP	\$1,375
3	1800	230/460	182TC	95	B0034FLC2AMH02	7.6/3.8	89.5		MXTFCP	\$1,304

**Totally Enclosed Fan Cooled
EQPIII C-Face Footless
NEMA Premium® Efficiency**



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	575	182TC	95	B0034FLC2OMH02	3.0	89.5		MXTFCP	\$1,304
3	1200	230/460	213TC	137	B0036FLC2AMH01	8.2/4.1	90.2		MXTFCP	\$1,679
3	1200	575	213TC	137	B0036FLC2OMH01	3.3	90.2		MXTFCP	\$1,679
5	3600	230/460	184TC	104	B0052FLC2AMH02	11.4/5.7	89.5		MXTFCP	\$1,594
5	3600	575	184TC	104	B0052FLC2OMH02	4.6	89.5		MXTFCP	\$1,594
5	1800	230/460	184TC	106	B0054FLC2AMH02	12.6/6.3	89.5		MXTFCP	\$1,462
5	1800	575	184TC	106	B0054FLC2OMH02	5.0	89.5		MXTFCP	\$1,462
5	1200	230/460	215TC	206	B0056FLC2AMH01	13.4/6.7	90.2		MXTFCP	\$2,358
5	1200	575	215TC	206	B0056FLC2OMH01	5.4	90.2		MXTFCP	\$2,358
7.5	3600	230/460	213TC	185	BY752FLC2UMH01	18/9	90.2		MXTFCP	\$1,807
7.5	3600	575	213TC	185	BY752FLC2OMH01	7.2	90.2		MXTFCP	\$1,807
7.5	1800	230/460	213TC	180	BY754FLC2USH01	18.2/9.1	91.7		MXTFCP	\$1,807
7.5	1800	575	213TC	180	BY754FLC2OSH01	7.3	91.7		MXTFCP	\$1,807
7.5	1200	230/460	254TC	254	BY756FLC2USH01	19.6/9.8	91.7		MXTFCP	\$3,052
7.5	1200	575	254TC	254	BY756FLC2OSH01	7.8	91.7		MXTFCP	\$3,052
10	3600	230/460	215TC	202	B0102FLC2UMH01	23/11.5	90.2		MXTFCP	\$2,121
10	3600	575	215TC	202	B0102FLC2OMH01	9.2	90.2		MXTFCP	\$2,121
10	1800	230/460	215TC	201	B0104FLC2USH01	24/12	91.7		MXTFCP	\$2,147
10	1800	575	215TC	201	B0104FLC2OSH01	9.6	91.7		MXTFCP	\$2,147
10	1200	230/460	256TC	327	B0106FLC2USH01	26/13	92.4		MXTFCP	\$3,645
10	1200	575	256TC	327	B0106FLC2OSH01	10.4	92.4		MXTFCP	\$3,645
15	3600	230/460	254TC	396	B0152FLC2USH01	34/17	91.7		MXTFCP	\$2,969
15	3600	575	254TC	396	B0152FLC2OSH01	13.6	91.7		MXTFCP	\$2,969
15	1800	230/460	254TC	296	B0154FLC2USH01	37/18.5	92.4		MXTFCP	\$2,957
15	1800	575	254TC	296	B0154FLC2OSH01	14.8	92.4		MXTFCP	\$2,957
20	3600	230/460	256TC	346	B0202FLC2USH01	44/22	92.4		MXTFCP	\$3,735
20	3600	575	256TC	346	B0202FLC2OSH01	17.6	92.4		MXTFCP	\$3,735
20	1800	230/460	256TC	330	B0204FLC2USH01	50/25	93.0		MXTFCP	\$3,564
20	1800	575	256TC	330	B0204FLC2OSH01	20	93.0		MXTFCP	\$3,564
25	3600	230/460	284TSC	409	B0252FLC3UMH02	56/28	92.4		MXTFCP	\$4,675
25	3600	575	284TSC	409	B0252FLC3OMH02	22	92.4		MXTFCP	\$4,675
25	1800	230/460	284TC	443	B0254FLC3UMH02	58/29	93.6		MXTFCP	\$4,419
25	1800	575	284TC	443	B0254FLC3OMH02	24	93.6		MXTFCP	\$4,419
30	3600	230/460	286TSC	432	B0302FLC3UMH02	66/33	92.4		MXTFCP	\$5,289
30	3600	575	286TSC	432	B0302FLC3OMH02	26	92.4		MXTFCP	\$5,289
30	1800	230/460	286TC	427	B0304FLC3UMH02	70/35	93.6		MXTFCP	\$5,201
30	1800	575	286TC	427	B0304FLC3OMH02	29	93.6		MXTFCP	\$5,201
40	3600	230/460	324TSC	527	B0402FLC3UMH01	92/46	93.0		MXTFCP	\$6,695
40	3600	575	324TSC	527	B0402FLC3OMH01	37	93.0		MXTFCP	\$6,695
40	1800	230/460	324TC	569	B0404FLC3USH02	94/47	94.1		MXTFCP	\$6,739
40	1800	575	324TC	569	B0404FLC3OSH02	38	94.1		MXTFCP	\$6,739
50	3600	230/460	326TSC	593	B0502FLC3UMH01	114/57	93.0		MXTFCP	\$8,999
50	3600	575	326TSC	593	B0502FLC3OMH01	46	93.0		MXTFCP	\$8,999
50	1800	230/460	326TC	634	B0504FLC3USH02	120/60	94.5		MXTFCP	\$8,058
50	1800	575	326TC	634	B0504FLC3OSH02	48	94.1		MXTFCP	\$8,058
60	3600	230/460	364TSC	774	B0602FLC3UMH01	140/70	93.6		MXTFCP	\$11,332
60	3600	575	364TSC	774	B0602FLC3OMH01	56	93.6		MXTFCP	\$11,332

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Totally Enclosed Fan Cooled EQPIII C-Face Footless NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	1800	230/460	364TC	845	B0604FLC3UMH02	142/71	95.0		MXTFCP	\$11,470
60	1800	575	364TC	845	B0604FLC3OMH02	57	96.0		MXTFCP	\$11,470
75	3600	230/460	365TSC	793	B0752FLC3UMH02	174/87	93.6		MXTFCP	\$13,974
75	3600	575	365TSC	793	B0752FLC3OMH02	70	93.6		MXTFCP	\$13,974
75	1800	230/460	365TC	793	B0754FLC3UMH02	178/89	95.4		MXTFCP	\$14,446
75	1800	575	365TC	793	B0754FLC3OMH02	71	95.4		MXTFCP	\$14,446

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

General Purpose XT Series EQPIII-840 Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 motor series addresses the special requirements of the mill and chemical industries where motor performance and reliability are imperative. The EQPIII-840 is built using the cornerstone of the Toshiba motor product offering as a base. This high-end product incorporates many of the key features of an IEEE-841 motor in a cost-effective package. Designed for indoor and outdoor use, it is the perfect solution for applications where IEEE-841 requirements are not mandated. Its performance offers 20 to 1 constant torque, oversized bearings, IP54 or IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.

Standard Features:

- Totally Enclosed Fan Cooled, Severe Duty
- NEMA Premium® Efficiency
- 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- IP54 Protection on 140 through 280 Frames & IP55 Protection on 320 through 5810 Frames
- Lead Lugs on All Ratings 210 Frames & Larger
- Cast Iron Conduit Box
- Cast Iron Fan Cover on Frames 140T through 449T
- Heavy Gauge Fabricated Steel Fan Cover on 5010U through 5810U
- Cast Iron Frame & Brackets
- Breather Drains
- V-Ring Shaft Seal (143T through 286T)
- Labyrinth Seal on Both Ends (324T through 5810U)
- Dual-Drilled for Multiple Mounting
- Extended Grease Tubes
- Re-Greaseable Bearings on 280 Frame & Larger
- Roller Bearing Standard on all 440T & Larger
- Lead Separator Gasket
- Protective Coating on all Internal Components
- No Load Commercial Testing on All Motors
- Vibration Testing on All Motors
- 4142 High Strength Shaft Steel on all 440 Frame & Larger Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on all 1 to 200 HP, 4 & 6-Pole Motors

3 Year Warranty

Applications:

- Refineries
- Automotive
- Pulp & Paper
- Forest Products
- Mining
- Foundries
- Cement & Asphalt

Warranty:

- From Date of Shipment: 36 Months



Totally Enclosed Fan Cooled EQPIII-840 NEMA Premium® Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 motor series addresses the special requirements of the mill and chemical industries where motor performance and reliability are imperative. The EQPIII-840 is built using the cornerstone of the Toshiba motor product offering as a base. This high-end product incorporates many of the key features of an IEEE-841 motor in a cost-effective package. Designed for indoor and outdoor use, it is the perfect solution for applications where IEEE-841 requirements are not mandated. Its performance offers 20 to 1 constant torque, oversized bearings, IP54 or IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.



Product Scope

Horsepower:	3/4 to 400 HP
Speed:	3600, 1800, or 1200 (1 to 75 HP) 900 RPM (3/4 to 400 HP)
Volt:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5010US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

Standard Features:

- 100% No-Load Commercial Test on all Motors
- On 440T & Larger:
 - Vibration Test Report
 - 100% of Bearings are Ball-Pass Frequency Tested
- Commercial Test Report Supplied with Motor
- Voltage Withstand Capability of 2000 V in 0.1 μs
- Separate Lubrication Label

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	72	B3/46FLF1BMHD02	1.5	80.0*		MXT840	\$1,025
0.75	1200	460	143T	72	B3/46FLF1BYHD	1.5	80.0*	1	MXT840	\$932
0.75	1200	575	143T	72	B3/46FLF1OMHD02	1.2	80.0*		MXT840	\$1,025
0.75	900	460	145T	76	B3/48FLF1BMHD	2.1	72.0*		MXT840	\$1,686
0.75	900	575	145T	76	B3/48FLF1OMHD	1.5	74.0*		MXT840	\$1,686
1	1800	460	143T	75	B0014FLF1BMHD02	1.4	85.5		MXT840	\$928
1	1800	460	143T	75	B0014FLF1BYHD	1.4	85.5	1	MXT840	\$843
1	1800	575	143T	75	B0014FLF1OMHD02	1.1	85.5		MXT840	\$928

**Totally Enclosed Fan Cooled
EQPIII-840
NEMA Premium® Efficiency**



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1200	460	145T	76	B0016FLF1BMHD02	1.8	82.5			\$1,160
1	1200	460	145T	76	B0016FLF1BYHD	1.8	82.5	1		\$1,054
1	1200	575	145T	76	B0016FLF1OMHD02	1.4	82.5			\$1,160
1	900	460	182T	117	B0018FLF1BMHD	2.2	82.5*			\$1,831
1	900	575	182T	117	B0018FLF1OMHD	1.7	82.5*			\$1,831
1.5	3600	460	143T	69	BY152FLF1BMHD02	2.1	84.0			\$1,089
1.5	3600	460	143T	69	BY152FLF1BYHD	2.1	84.0	1		\$943
1.5	3600	575	143T	69	BY152FLF1OMHD02	1.7	84.0			\$1,089
1.5	1800	460	145T	75	BY154FLF1BMHD02	2.2	86.5			\$1,035
1.5	1800	460	145T	75	BY154FLF1BYHD	2.2	86.5	1		\$941
1.5	1800	575	145T	75	BY154FLF1OMHD02	1.8	86.5			\$1,035
1.5	1200	460	182T	117	BY156FLF1BMHD02	2.5	86.5			\$1,236
1.5	1200	460	182T	117	BY156FLF1BYHD	2.5	86.5	1		\$1,123
1.5	1200	575	182T	117	BY156FLF1OMHD02	2	86.5			\$1,236
1.5	900	460	184T	122	BY158FLF1BMHD	3.4	82.5*			\$2,161
1.5	900	575	184T	122	BY158FLF1OMHD	2.8	82.5*			\$2,161
2	3600	460	145T	74	B0022FLF1BMHD02	2.7	86.5			\$1,169
2	3600	460	145T	74	B0022FLF1BYHD	2.7	86.5	1		\$1,063
2	3600	575	145T	74	B0022FLF1OMHD02	2.2	86.5			\$1,169
2	1800	460	145T	76	B0024FLF1BMHD02	2.8	86.5			\$1,136
2	1800	460	145T	76	B0024FLF1BYHD	2.8	86.5	1		\$1,032
2	1800	575	145T	76	B0024FLF1OMHD02	2.2	86.5			\$1,136
2	1200	460	184T	122	B0026FLF1BMHD02	3.3	88.5			\$1,379
2	1200	460	184T	122	B0026FLF1BYHD	3.3	88.5	1		\$1,254
2	1200	575	184T	122	B0026FLF1OMHD02	2.6	88.5			\$1,379
2	900	460	213T	198	B0028FLF1BMHD	3.3	86.5*			\$2,711
2	900	575	213T	198	B0028FLF1OMHD	2.6	86.5*			\$2,711
3	3600	460	182T	117	B0032FLF1BMHD02	3.6	88.5			\$1,337
3	3600	460	182T	117	B0032FLF1BYHD	3.6	88.5	1		\$1,157
3	3600	575	182T	117	B0032FLF1OMHD02	2.9	88.5			\$1,337
3	1800	460	182T	118	B0034FLF1BMHD02	3.8	89.5			\$1,194
3	1800	460	182T	118	B0034FLF1BYHD	3.8	89.5	1		\$1,086
3	1800	575	182T	118	B0034FLF1OMHD02	3	89.5			\$1,194
3	1200	460	213T	198	B0036FLF1BMHD04	4.1	90.2			\$1,768
3	1200	575	213T	198	B0036FLF3OMHD04	3.3	90.2			\$1,768
3	900	460	215T	216	B0038FLF3BMHD	5	87.5*			\$3,227
3	900	575	215T	216	B0038FLF3OMHD	4	87.5*			\$3,227
5	3600	460	184T	123	B0052FLF1BMHD02	5.7	89.5			\$1,576
5	3600	460	184T	123	B0052FLF1BYHD	5.7	89.5	1		\$1,432
5	3600	575	184T	123	B0052FLF1OMHD02	4.6	89.5			\$1,576
5	1800	460	184T	124	B0054FLF1BMHD02	6.3	89.5			\$1,395
5	1800	460	184T	124	B0054FLF1BYHD	6.3	89.5	1		\$1,269
5	1800	575	184T	124	B0054FLF1OMHD02	5	89.5			\$1,395
5	1200	460	215T	216	B0056FLF1BMHD04	6.7	90.2			\$2,372
5	1200	575	215T	216	B0056FLF3OMHD04	5.4	90.2			\$2,372
5	900	460	254T	327	B0058FLF3BMHD	8	90.2*			\$4,283
5	900	575	254T	327	B0058FLF3OMHD	6.4	90.2*			\$4,283

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Totally Enclosed Fan Cooled EQP III-840 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	460	213T	196	BY752FLF1BMHD04	9	90.2		MXT840	\$1,925
7.5	3600	575	213T	196	BY752FLF3OMHD04	7.2	90.2		MXT840	\$1,925
7.5	1800	460	213T	190	BY754FLF1BSHD04	9.1	91.7		MXT840	\$1,823
7.5	1800	575	213T	190	BY754FLF3OSHD04	7.4	91.7		MXT840	\$1,823
7.5	1200	460	254T	327	BY756FLF1BMHD02	9.8	91.7		MXT840	\$3,052
7.5	1200	575	254T	327	BY756FLF3OMHD02	7.8	91.7		MXT840	\$3,052
7.5	900	460	256T	347	BY758FLF3BMHD	11.5	90.2*		MXT840	\$5,414
7.5	900	575	256T	347	BY758FLF3OMHD	9	90.2*		MXT840	\$5,414
10	3600	460	215T	210	B0102FLF1BMHD04	11.5	90.2		MXT840	\$2,151
10	3600	575	215T	210	B0102FLF3OMHD04	9.2	90.2		MXT840	\$2,151
10	1800	460	215T	226	B0104FLF1BSHD04	12	91.7		MXT840	\$2,145
10	1800	575	215T	226	B0104FLF3OSHD04	9.6	91.7		MXT840	\$2,145
10	1200	460	256T	347	B0106FLF1BMHD02	13	92.4		MXT840	\$3,747
10	1200	575	256T	347	B0106FLF3OMHD02	10.4	92.4		MXT840	\$3,747
10	900	460	284T	380	B0108FLF3BMHD	15	90.2*		MXT840	\$6,320
10	900	575	284T	380	B0108FLF3OMHD	11.8	90.2*		MXT840	\$6,320
15	3600	460	254T	330	B0152FLF1BMHD02	17	91.7		MXT840	\$2,948
15	3600	575	254T	330	B0152FLF3OMHD02	13.6	91.7		MXT840	\$2,948
15	1800	460	254T	333	B0154FLF1BMHD02	18.5	92.4		MXT840	\$2,827
15	1800	575	254T	333	B0154FLF3OMHD02	14.8	92.4		MXT840	\$2,827
15	1200	460	284T	473	B0156FLF3BMHD02	19	92.4		MXT840	\$4,980
15	1200	575	284T	473	B0156FLF3OMHD02	15.2	92.4		MXT840	\$4,980
15	900	460	286T	471	B0158FLF3BMHD	21	90.2*		MXT840	\$8,234
15	900	575	286T	471	B0158FLF3OMHD	17.8	90.2*		MXT840	\$8,234
20	3600	460	256T	389	B0202FLF1BMHD02	22	92.4		MXT840	\$3,564
20	3600	575	256T	389	B0202FLF3OMHD02	17.6	92.4		MXT840	\$3,564
20	1800	460	256T	364	B0204FLF1BMHD02	25	93.0		MXT840	\$3,522
20	1800	575	256T	364	B0204FLF3OMHD02	20	93.0		MXT840	\$3,522
20	1200	460	286T	512	B0206FLF3BMHD02	25	92.4		MXT840	\$5,861
20	1200	575	286T	512	B0206FLF3OMHD02	20	92.4		MXT840	\$5,861
20	900	460	324T	621	B0208FLF3BMHD	30	91.7*		MXT840	\$10,066
20	900	575	324T	621	B0208FLF3OMHD	24	91.7*		MXT840	\$10,066
25	3600	460	284TS	450	B0252FLG3BMHD02	28	92.4		MXT840	\$4,611
25	3600	575	284TS	450	B0252FLG3OMHD02	22	92.4		MXT840	\$4,611
25	1800	460	284T	509	B0254FLF3BMHD02	29	93.6		MXT840	\$4,262
25	1800	575	284T	509	B0254FLF3OMHD02	24	93.6		MXT840	\$4,262
25	1200	460	324T	621	B0256FLF3BMHD01	32	93.0		MXT840	\$7,462
25	1200	575	324T	621	B0256FLF3OMHD01	26	93.0		MXT840	\$7,462
25	900	460	326T	685	B0258FLF3BMHD	38	91.7*		MXT840	\$11,742
25	900	575	326T	685	B0258FLF3OMHD	30	91.7*		MXT840	\$11,742
30	3600	460	286TS	498	B0302FLG3BMHD02	33	92.4		MXT840	\$5,350
30	3600	575	286TS	498	B0302FLG3OMHD02	26	92.4		MXT840	\$5,350
30	1800	460	286T	500	B0304FLF3BMHD02	35	93.6		MXT840	\$4,978
30	1800	575	286T	500	B0304FLF3OMHD02	29	93.6		MXT840	\$4,978
30	1200	460	326T	685	B0306FLF3BMHD01	38	93.6		MXT840	\$8,183
30	1200	575	326T	685	B0306FLF3OMHD01	30	93.6		MXT840	\$8,183
30	900	460	364T	825	B0308FLF3BMHD	42	92.4*		MXT840	\$13,860

**Totally Enclosed Fan Cooled
EQPIII-840
NEMA Premium® Efficiency**



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	900	575	364T	825	B0308FLF3OMHD	34	92.4*		MXT840	\$13,860
40	3600	460	324TS	551	B0402FLG3BMHD02	46	93.0		MXT840	\$7,079
40	3600	575	324TS	551	B0402FLG3OMHD02	37	93.0		MXT840	\$7,079
40	1800	460	324T	636	B0404FLF3BSHD01	47	94.1		MXT840	\$6,478
40	1800	575	324T	636	B0404FLF3OSHD01	38	94.1		MXT840	\$6,478
40	1200	460	364T	825	B0406FLF3BMHD01	48	94.1		MXT840	\$11,092
40	1200	575	364T	825	B0406FLF3OMHD01	38	94.1		MXT840	\$11,092
40	900	460	365T	895	B0408FLF3BMHD	57	93.0*		MXT840	\$16,777
40	900	575	365T	895	B0408FLF3OMHD	45	93.0*		MXT840	\$16,777
50	3600	460	326TS	571	B0502FLG3BMHD02	57	93.0		MXT840	\$8,752
50	3600	575	326TS	571	B0502FLG3OMHD02	46	93.0		MXT840	\$8,752
50	1800	460	326T	694	B0504FLF3BSHD01	60	94.5		MXT840	\$7,527
50	1800	575	326T	694	B0504FLF3OSHD01	48	94.1		MXT840	\$7,527
50	1200	460	365T	895	B0506FLF3BMHD01	61	94.1		MXT840	\$12,733
50	1200	575	365T	895	B0506FLF3OMHD01	48	94.1		MXT840	\$12,733
50	900	460	404T	1200	B0508FLF3BMHD	76	93.6*		MXT840	\$20,030
50	900	575	404T	1200	B0508FLF3OMHD	62	93.6*		MXT840	\$20,030
60	3600	460	364TS	774	B0602FLG3BMHD02	70	93.6		MXT840	\$12,090
60	3600	575	364TS	774	B0602FLG3OMHD02	56	93.6		MXT840	\$12,090
60	1800	460	364T	845	B0604FLF3BMHD01	71	95.0		MXT840	\$11,416
60	1800	575	364T	845	B0604FLF3OMHD01	57	95.0		MXT840	\$11,416
60	900	460	405T	1456	B0608FLF3BSHD	98.0	93.6*		MXT840	\$22,918
60	900	575	405T	1456	B0608FLF3OSHD	75.0	93.6*		MXT840	\$22,918
75	3600	460	365TS	841	B0752FLG3BMHD02	87	93.6		MXT840	\$14,458
75	3600	575	365TS	841	B0752FLG3OMHD01	70	93.6		MXT840	\$14,458
75	1800	460	365T	901	B0754FLF3BMHD01	89	95.4		MXT840	\$13,700
75	1800	575	365T	901	B0754FLF3OMHD01	71	95.4		MXT840	\$13,700
75	900	460	444T	2005	B0758FLF4BSHD	111	94.5*	2	MXT840	\$30,151
75	900	575	444T	2005	B0758FLF4OSHD	99	94.5*	2	MXT840	\$30,151
100	900	460	445T	2155	B1008FLF4BSHD	152	93.6*	2	MXT840	\$37,327
100	900	575	445T	2155	B1008FLF4OSHD	125	93.6*	2	MXT840	\$37,327
125	900	460	447T	2444	B1258FLF4BSHD	193	93.6*	2	MXT840	\$40,795
125	900	460	N449T	3900	B1258FLF4BSHDL	156	95.0*	2	MXT840	\$42,836
125	900	575	447T	2444	B1258FLF4OSHD	155	93.6*	2	MXT840	\$40,795
125	900	575	N449T	3900	B1258FLF4OSHDL	125	95.0*	2	MXT840	\$42,836
150	900	460	N449T	3920	B1508FLF4BSHDL	186.0	95.0*	2	MXT840	\$51,673
150	900	460	505US	4000	B1508FLG3BSHD	212.0	95.4*		MXT840	\$64,590
150	900	460	505UZ	3000	B1508FLF4BSHD	212.0	95.4*	2	MXT840	\$68,058
150	900	575	N449T	3920	B1508FLF4OSHDL	150.0	95.0*	2	MXT840	\$51,673
150	900	575	505US	4000	B1508FLG3OSHD	165.0	95.4*		MXT840	\$64,590
150	900	575	505UZ	3000	B1508FLF4OSHD	165.0	95.4*	2	MXT840	\$68,058
200	900	460	N449T	4000	B2008FLF4BSHDL	249	95.0*	2	MXT840	\$54,257
200	900	460	5010US	4650	B2008FLG3BSHD	361	95.4*		MXT840	\$67,823
200	900	460	5010UZ	4650	B2008FLF4BSHD	361	95.4*	2	MXT840	\$71,291
200	900	575	N449T	4000	B2008FLF4OSHDL	199	95.0*	2	MXT840	\$54,257
200	900	575	5010US	4650	B2008FLG4OSHD	278	95.4*		MXT840	\$67,823
200	900	575	5010UZ	4650	B2008FLF4OSHD	278	95.4*	2	MXT840	\$71,291

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Totally Enclosed Fan Cooled EQPIII-840 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	900	460	N449T	4130	B2508FLF4BMHDL	336.0	94.5*	2	MXT840	\$71,232
250	900	575	N449T	4130	B2508FLF4OMHDL	269.0	94.5*	2	MXT840	\$71,232
300	900	460	5810US		F3008FLG3BMHD				MXT840	\$75,983
300	900	460	5810UZ		F3008FLF4BMHD			2	MXT840	\$75,983
300	900	575	5810US		F3008FLG3OMHD				MXT840	\$79,972
300	900	575	5810UZ		F3008FLF4OMHD			2	MXT840	\$79,972
350	900	460	5810US		F3508FLG3BMHD				MXT840	\$87,800
350	900	460	5810UZ		F3508FLF4BMHD			2	MXT840	\$87,800
350	900	575	5810US		F3508FLG3OMHD				MXT840	\$91,788
350	900	575	5810UZ		F3508FLF4OMHD			2	MXT840	\$91,788
400	900	460	5810US		F4008FLG3BMHD				MXT840	\$99,616
400	900	460	5810UZ		F4008FLF4BMHD			2	MXT840	\$99,616
400	900	575	5810US		F4008FLG3OMHD				MXT840	\$103,603
400	900	575	5810UZ		F4008FLF4OMHD			2	MXT840	\$103,603

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

General Purpose XT Series

EQPIII-841 Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-841 motor series addresses the special requirements of the petrochemical industry where motor performance and reliability are imperative. This product line is built using the cornerstone of the Toshiba motor product offering as a base, and is designed for indoor and outdoor use in the harshest environments where premium performance and reliability are a must. Its performance offers 20 to 1 constant torque, oversized bearings, IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12. These motors are built to meet or exceed IEEE standard 841 and feature a labyrinth seal on both DE and ODE.

Standard Features:

- Totally Enclosed Fan Cooled, Severe Duty
- NEMA Premium® Efficiency
- 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- IP55 Protection
- Lead Lugs on All Ratings
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Cast Iron Frame & Brackets
- Breather Drains
- Labyrinth-Seals on Both Ends
- Dual-Drilled for Multiple Mounting
- Extended Grease Tubes
- Re-Greaseable 300-Series Bearings
- Lead Separator Gasket
- Protective Coating on All Internal Components
- No-Load Commercial Test Report Supplied on All Motors
- Vibration Testing Report Supplied on All Motors
- 4142 High Strength Shaft Steel on All 440 Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on All 1 to 200 HP, 4 & 6-Pole Motors

5 Year Warranty

Applications:

- Refineries
- Automotive
- Pulp & Paper
- Forest Products
- Mining
- Foundries

Warranty:

- From Date of Shipment: 60 Months



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 LV General Purpose XT
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**Totally Enclosed
 Fan Cooled
 EQPIII-841
 NEMA Premium®
 Efficiency**



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-841 motor series addresses the special requirements of the petrochemical industry where motor performance and reliability are imperative. This product line was built using the cornerstone of the Toshiba motor product offering as a base, and it is designed for indoor and outdoor use in the harshest environments where premium performance and reliability are a must. Its performance offers 20 to 1 constant torque, oversized bearings, IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12. These motors are built to meet or exceed IEEE standard 841 specifications and feature a labyrinth seal on both DE and ODE.



Product Scope

- Horsepower: 3/4 to 200 HP
- Speed: 3600, 1800, or 1200 RPM (1 to 75 HP)
900 RPM (3/4 to 200 HP)
- Voltage: 460 or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through N449T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.04 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	72	B3/46FLF3BMHJ01	1.5	80.0*		MXT841	\$1,254
0.75	1200	575	143T	72	B3/46FLF3OMHJ01	1.2	80.0*		MXT841	\$1,254
0.75	900	460	145T	76	B3/48FLF3BMHJ	2.1	72.0*		MXT841	\$2,785
0.75	900	575	145T	76	B3/48FLF3OMHJ	1.5	74.0*		MXT841	\$2,785
1	1800	460	143T	74	B0014FLF3BMHJ01	1.4	85.5		MXT841	\$1,080
1	1800	575	143T	74	B0014FLF3OMHJ01	1.1	85.5		MXT841	\$1,080
1	1200	460	145T	76	B0016FLF3BMHJ01	1.8	82.5		MXT841	\$1,339
1	1200	575	145T	76	B0016FLF3OMHJ01	1.4	82.5		MXT841	\$1,339
1	900	460	182T	117	B0018FLF3BMHJ	2.2	82.5*		MXT841	\$3,065
1	900	575	182T	117	B0018FLF3OMHJ	1.7	82.5*		MXT841	\$3,065
1.5	3600	460	143T	69	BY152FLF3BMHJ01	2.1	84.0		MXT841	\$1,213
1.5	3600	575	143T	69	BY152FLF3OMHJ01	1.7	84.0		MXT841	\$1,213
1.5	1800	460	145T	75	BY154FLF3BMHJ01	2.2	86.5		MXT841	\$1,200
1.5	1800	575	145T	75	BY154FLF3OMHJ01	1.8	86.5		MXT841	\$1,200
1.5	1200	460	182T	117	BY156FLF3BMHJ01	2.5	87.5		MXT841	\$1,651
1.5	1200	575	182T	117	BY156FLF3OMHJ01	2	87.5		MXT841	\$1,651
1.5	900	460	184T	122	BY158FLF3BMHJ	3.4	82.5*	1	MXT841	\$3,373
1.5	900	575	184T	122	BY158FLF3OMHJ	2.8	82.5*	1	MXT841	\$3,373

**Totally Enclosed Fan Cooled
EQPIII-841
NEMA Premium® Efficiency**



XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	460	145T	74	B0022FLF3BMHJ01	2.7	86.5		MXT841	\$1,383
2	3600	575	145T	74	B0022FLF3OMHJ01	2.2	86.5		MXT841	\$1,383
2	1800	460	145T	76	B0024FLF3BMHJ01	2.8	86.5		MXT841	\$1,318
2	1800	575	145T	76	B0024FLF3OMHJ01	2.2	86.5		MXT841	\$1,318
2	1200	460	184T	122	B0026FLF3BMHJ01	3.3	88.5		MXT841	\$1,689
2	1200	575	184T	122	B0026FLF3OMHJ01	2.6	88.5		MXT841	\$1,689
2	900	460	213T	198	B0028FLF3BMHJ	3.3	86.5*		MXT841	\$3,821
2	900	575	213T	198	B0028FLF3OMHJ	2.6	86.5*		MXT841	\$3,821
3	3600	460	182T	117	B0032FLF3BMHJ01	3.6	88.5		MXT841	\$1,698
3	3600	575	182T	117	B0032FLF3OMHJ01	2.9	88.5		MXT841	\$1,698
3	1800	460	182T	118	B0034FLF3BMHJ01	3.8	89.5		MXT841	\$1,594
3	1800	575	182T	118	B0034FLF3OMHJ01	3	89.5		MXT841	\$1,594
3	1200	460	213T	198	B0036FLF3BMHJ01	4.1	90.2		MXT841	\$2,165
3	1200	575	213T	198	B0036FLF3OMHJ01	3.3	90.2		MXT841	\$2,165
3	900	460	215T	216	B0038FLF3BMHJ	5.0	87.5*		MXT841	\$4,447
3	900	575	215T	216	B0038FLF3OMHJ	4.0	87.5*		MXT841	\$4,447
5	3600	460	184T	123	B0052FLF3BMHJ01	5.7	89.5		MXT841	\$1,925
5	3600	575	184T	123	B0052FLF3OMHJ01	4.6	89.5		MXT841	\$1,925
5	1800	460	184T	124	B0054FLF3BMHJ01	6.3	89.5		MXT841	\$1,707
5	1800	575	184T	124	B0054FLF3OMHJ01	5	89.5		MXT841	\$1,707
5	1200	460	215T	216	B0056FLF3BMHJ01	6.7	90.2		MXT841	\$2,969
5	1200	575	215T	216	B0056FLF3OMHJ01	5.4	90.2		MXT841	\$2,969
5	900	460	254T	327	B0058FLF3BMHJ	8.0	90.2*		MXT841	\$5,647
5	900	575	254T	327	B0058FLF3OMHJ	6.4	90.2*		MXT841	\$5,647
7.5	3600	460	213T	196	BY752FLF3BMHJ02	9	90.2		MXT841	\$2,334
7.5	3600	575	213T	196	BY752FLF3OMHJ02	7.2	90.2		MXT841	\$2,334
7.5	1800	460	213T	190	BY754FLF3BSHJ01	9.2	91.7		MXT841	\$2,317
7.5	1800	575	213T	190	BY754FLF3OSHJ01	7.3	91.7		MXT841	\$2,317
7.5	1200	460	254T	327	BY756FLF3BMHJ01	9.8	91.7		MXT841	\$3,860
7.5	1200	575	254T	327	BY756FLF3OMHJ01	7.8	91.7		MXT841	\$3,860
7.5	900	460	256T	347	BY758FLF3BMHJ	11.5	90.2*		MXT841	\$6,748
7.5	900	575	256T	347	BY758FLF3OMHJ	9.0	90.2*		MXT841	\$6,748
10	3600	460	215T	210	B0102FLF3BMHJ02	11.5	90.2		MXT841	\$2,724
10	3600	575	215T	210	B0102FLF3OMHJ02	9.2	90.2		MXT841	\$2,724
10	1800	460	215T	213	B0104FLF3BSHJ01	12	91.7		MXT841	\$2,790
10	1800	575	215T	213	B0104FLF3OSHJ01	9.6	91.7		MXT841	\$2,790
10	1200	460	256T	347	B0106FLF3BMHJ01	13	92.4		MXT841	\$4,715
10	1200	575	256T	347	B0106FLF3OMHJ01	10.4	92.4		MXT841	\$4,715
10	900	460	284T	473	B0108FLF3BMHJ	15.0	90.2*		MXT841	\$7,672
10	900	575	284T	473	B0108FLF3OMHJ	11.8	90.2*		MXT841	\$7,672
15	3600	460	254T	330	B0152FLF3BMHJ01	17	91.7		MXT841	\$3,747
15	3600	575	254T	330	B0152FLF3OMHJ01	13.6	91.7		MXT841	\$3,747
15	1800	460	254T	333	B0154FLF3BMHJ01	18.5	92.4		MXT841	\$3,681
15	1800	575	254T	333	B0154FLF3OMHJ01	14.8	92.4		MXT841	\$3,681
15	1200	460	284T	473	B0156FLF3BMHJ01	19	92.4		MXT841	\$6,258
15	1200	575	284T	473	B0156FLF3OMHJ01	15.2	92.4		MXT841	\$6,258
15	900	460	286T	512	B0158FLF3BMHJ	21.0	90.2*		MXT841	\$9,541

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Totally Enclosed Fan Cooled EQP III-841

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	900	575	286T	512	B0158FLF3OMHJ	17.8	90.2*		MXT841	\$9,541
20	3600	460	256T	370	B0202FLF3BMHJ01	22	92.4		MXT841	\$4,634
20	3600	575	256T	370	B0202FLF3OMHJ01	17.6	92.4		MXT841	\$4,634
20	1800	460	256T	364	B0204FLF3BMHJ01	25	93.0		MXT841	\$4,580
20	1800	575	256T	364	B0204FLF3OMHJ01	20	93.0		MXT841	\$4,580
20	1200	460	286T	512	B0206FLF3BMHJ01	25	92.4		MXT841	\$7,626
20	1200	575	286T	512	B0206FLF3OMHJ01	20	92.4		MXT841	\$7,626
20	900	460	324T	621	B0208FLF3BMHJ	30.0	91.7*		MXT841	\$11,402
20	900	575	324T	621	B0208FLF3OMHJ	24.0	91.7*		MXT841	\$11,402
25	3600	460	284TS	450	B0252FLG3BMHJ01	28	92.4		MXT841	\$5,714
25	3600	575	284TS	450	B0252FLG3OMHJ01	22	92.4		MXT841	\$5,714
25	1800	460	284T	498	B0254FLF3BMHJ01	29	93.6		MXT841	\$5,454
25	1800	575	284T	498	B0254FLF3OMHJ01	24	93.6		MXT841	\$5,454
25	1200	460	324T	621	B0256FLF3BMHJ01	32	93.0		MXT841	\$9,242
25	1200	575	324T	621	B0256FLF3OMHJ01	26	93.0		MXT841	\$9,242
25	900	460	326T	685	B0258FLF3BMHJ	38.0	91.7*		MXT841	\$13,006
25	900	575	326T	685	B0258FLF3OMHJ	30.0	91.7*		MXT841	\$13,006
30	3600	460	286TS	498	B0302FLG3BMHJ01	33	92.4		MXT841	\$6,669
30	3600	575	286TS	498	B0302FLG3OMHJ01	26	92.4		MXT841	\$6,669
30	1800	460	286T	500	B0304FLF3BMHJ01	35	93.6		MXT841	\$6,343
30	1800	575	286T	500	B0304FLF3OMHJ01	29	93.6		MXT841	\$6,343
30	1200	460	326T	685	B0306FLF3BMHJ01	38	93.6		MXT841	\$10,642
30	1200	575	326T	685	B0306FLF3OMHJ01	30	93.6		MXT841	\$10,642
30	900	460	364T	825	B0308FLF3BMHJ	42.0	92.4*		MXT841	\$15,230
30	900	575	364T	825	B0308FLF3OMHJ	34.0	92.4*		MXT841	\$15,230
40	3600	460	324TS	593	B0402FLG3BMHJ01	46	93.0		MXT841	\$8,770
40	3600	575	324TS	593	B0402FLG3OMHJ01	37	93.0		MXT841	\$8,770
40	1800	460	324T	636	B0404FLF3BSHJ01	47	94.1		MXT841	\$8,429
40	1800	575	324T	636	B0404FLF3OSHJ01	38	94.1		MXT841	\$8,429
40	1200	460	364T	825	B0406FLF3BMHJ01	48	94.1		MXT841	\$14,428
40	1200	575	364T	825	B0406FLF3OMHJ01	38	94.1		MXT841	\$14,428
40	900	460	365T	895	B0408FLF3BMHJ	57.0	93.0*		MXT841	\$18,060
40	900	575	365T	895	B0408FLF3OMHJ	45.0	93.0*		MXT841	\$18,060
50	3600	460	326TS	652	B0502FLG3BMHJ01	57	93.0		MXT841	\$11,386
50	3600	575	326TS	652	B0502FLG3OMHJ01	46	93.0		MXT841	\$11,386
50	1800	460	326T	694	B0504FLF3BSHJ01	60	94.5		MXT841	\$10,350
50	1800	575	326T	694	B0504FLF3OSHJ01	48	94.5		MXT841	\$10,350
50	1200	460	365T	895	B0506FLF3BMHJ01	61	94.1		MXT841	\$16,565
50	1200	575	365T	895	B0506FLF3OMHJ01	48	94.1		MXT841	\$16,565
50	900	460	404T	1300	B0508FLF3BMHJ	76.0	93.6*		MXT841	\$21,570
50	900	575	404T	1300	B0508FLF3OMHJ	62.0	93.6*		MXT841	\$21,570
60	3600	460	364TS	835	B0602FLG3BMHJ	70	93.6		MXT841	\$13,475
60	3600	575	364TS	835	B0602FLG3OMHJ	56	93.6		MXT841	\$13,475
60	1800	460	364T	845	B0604FLF3BMHJ01	71	95.0		MXT841	\$13,362
60	1800	575	364T	845	B0604FLF3OMHJ01	57	95.0		MXT841	\$13,362
60	900	460	405T	1456	B0608FLF3BSHJ	98.0	93.6*		MXT841	\$24,355
60	900	575	405T	1456	B0608FLF3OSHJ	75.0	93.6*		MXT841	\$24,355

Totally Enclosed Fan Cooled EQPIII-841 NEMA Premium® Efficiency



XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	3600	460	365TS	905	B0752FLG3BMHJ01	87	93.6		MXT841	\$16,929
75	3600	575	365TS	905	B0752FLG3OMHJ	70	93.6		MXT841	\$16,929
75	1800	460	365T	901	B0754FLF3BMHJ01	89	95.4		MXT841	\$16,939
75	1800	575	365T	901	B0754FLF3OMHJ01	71	95.4		MXT841	\$16,939
75	900	460	444T	2005	B0758FLF4BSHJ	111.0	94.5*		MXT841	\$31,510
75	900	575	444T	2005	B0758FLF4OSHJ	99.0	94.5*		MXT841	\$31,510
100	900	460	445T	2155	B1008FLF4BSHJ	152.0	93.6*	2	MXT841	\$38,470
100	900	575	445T	2155	B1008FLF4OSHJ	125.0	93.6*	2	MXT841	\$38,470
125	900	460	447T	2444	B1258FLF4BSHJ	193.0	93.6*	2	MXT841	\$41,727
125	900	460	N449T	2444	B1258FLF4BSHJL	156.0	95.0*	2	MXT841	\$41,727
125	900	575	447T	2444	B1258FLF4OSHJ	155.0	93.6*	2	MXT841	\$41,727
125	900	575	N449T	2444	B1258FLF4OSHJL	125.0	95.0*	2	MXT841	\$41,727
150	900	460	N449T	3960	B1508FLF4BSHJL			2	MXT841	\$52,234
150	900	575	N449T	3960	B1508FLF4OSHJL			2	MXT841	\$52,234
200	900	460	N449T		B2008FLF4BSHJL	254.0	94.5*	2	MXT841	\$58,788
200	900	575	N449T		B2008FLF4OSHJL	201.0	94.5*	2	MXT841	\$58,788

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

General Purpose XT Series

XT

Totally Enclosed Explosion Proof Motors

Toshiba's general purpose XT, totally enclosed explosion proof, premium efficiency motors are built to meet the UL and CSA Listed Hazardous Locations requirements. This product line is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G and carries a temperature code rating of T3B (165°C). It is ideal for indoor and outdoor use and offers the performance and reliability the motor industry has come to expect from Toshiba, which makes the XT Explosion Proof motor the clear choice for your toughest environments and applications.

Standard Features:

- Totally Enclosed Fan Cooled Explosion Proof
- Premium Efficiency
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class I, Division 1, Group D, Class II, Division 1, Groups E,F, & G
- T3B Temperature Code 165°C
- Class F Insulation
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Non-Sparking Brass Shaft Slingers
- IP55 Protection
- Normally-Closed Thermostats
- Ball Bearing 143T through 405T
- Roller Bearing on All 444T & Larger, 4 & 6-Pole
- UL Listed File No. E312568
- CSA Certified File No. 046728

Applications:

- Petrochemical & Gas
- Grain & Feed Mills
- Pharmaceuticals
- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- UL & CSA Listed Hazardous Locations

Warranty:

- From Date of Shipment: 36 Months

3 Year
Warranty



Totally Enclosed Explosion Proof Premium Efficiency



The general purpose XT, totally enclosed explosion proof, premium efficiency motor series is built to meet the UL and CSA Listed Hazardous Locations requirements. This product line is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G and carries a temperature code rating of T3B (165°C). It is ideal for indoor and outdoor use and offers the performance and reliability the motor industry has come to expect from Toshiba, which makes the XT Explosion Proof motor the clear choice for your toughest environments and applications.

XT

Product Scope

Horsepower:	3/4 to 350 HP
Speed:	3600, 1800, 1200, or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Explosion Proof
Frame Size:	143T through N449T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	75	B346YLF2ASH				MXTXPP	\$1,747
0.75	1200	575	143T	75	B346YLF2OSH				MXTXPP	\$1,747
0.75	900	230/460	145T	75	B348YLF2ASH	4.2/2.1	72.0*		MXTXPP	\$2,105
0.75	900	575	145T	75	B348YLF2OSH	1.5	74.0*		MXTXPP	\$2,105
1	1800	230/460	143T	74	B0014YLF2ASH	2.8/1.4	85.5		MXTXPP	\$1,608
1	1800	575	143T	74	B0014YLF2OSH	1.1	85.5		MXTXPP	\$1,608
1	1200	230/460	145T	76	B0016YLF2ASH				MXTXPP	\$1,835
1	1200	575	145T	76	B0016YLF2OSH				MXTXPP	\$1,835
1	900	230/460	182T	114	B0018YLF2ASH	4.4/2.2	81.5*		MXTXPP	\$2,211
1	900	575	182T	114	B0018YLF2OSH	1.7	81.5*		MXTXPP	\$2,211
1.5	3600	230/460	143T	77	BY152YLF2AMH	4.2/2.1	84.0		MXTXPP	\$1,730
1.5	3600	575	143T	77	BY152YLF2OMH	1.7	84.0		MXTXPP	\$1,730
1.5	1800	230/460	145T	77	BY154YLF2AMH	4.4/2.2	86.5		MXTXPP	\$1,710
1.5	1800	575	145T	77	BY154YLF2OSH	1.8	86.5		MXTXPP	\$1,710
1.5	1200	230/460	182T	114	BY156YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,918
1.5	1200	575	182T	114	BY156YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,918
1.5	900	230/460	184T	122	BY158YLF2ASH	6.2/3.1	84.0*		MXTXPP	\$2,416
1.5	900	575	184T	122	BY158YLF2OSH	2.5	84.0*		MXTXPP	\$2,416

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Totally Enclosed Explosion Proof Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	230/460	145T	77	B0022YLF2AMH	5.4/2.7	86.5		MXTXPP	\$1,821
2	3600	575	145T	77	B0022YLF2OMH	2.2	86.5		MXTXPP	\$1,821
2	1800	230/460	145T	76	B0024YLF2ASH	5.6/2.8	86.5		MXTXPP	\$1,811
2	1800	575	145T	76	B0024YLF2OSH	2.2	86.5		MXTXPP	\$1,811
2	1200	230/460	184T	114	B0026YLF2ASH	6.6/3.3	88.5		MXTXPP	\$2,169
2	1200	575	184T	114	B0026YLF2OSH	2.6	88.5		MXTXPP	\$2,169
2	900	230/460	213T	198	B0028YLF2ASH	6.4/3.2	85.5*		MXTXPP	\$3,302
2	900	575	213T	198	B0028YLF2OSH	2.5	85.5*		MXTXPP	\$3,302
3	3600	230/460	182T	117	B0032YLF2AMH	7.2/3.6	88.5		MXTXPP	\$2,078
3	3600	575	182T	117	B0032YLF2OMH	2.9	88.5		MXTXPP	\$2,078
3	1800	230/460	182T	118	B0034YLF2ASH	7.6/3.8	89.5		MXTXPP	\$2,064
3	1800	575	182T	118	B0034YLF2OSH	3	89.5		MXTXPP	\$2,064
3	1200	230/460	213T	198	B0036YLF2AMH	8.2/4.1	89.5		MXTXPP	\$2,887
3	1200	575	213T	198	B0036YLF2OMH	3.2	89.5		MXTXPP	\$2,887
3	900	230/460	215T	216	B0038YLF2AMH	9.2/4.6	86.5*		MXTXPP	\$3,852
3	900	575	215T	216	B0038YLF2OMH	3.7	86.5*		MXTXPP	\$3,852
5	3600	230/460	184T	124	B0052YLF2AMH	11.4/5.7	88.5		MXTXPP	\$2,409
5	3600	575	184T	124	B0052YLF2OMH	4.6	88.5		MXTXPP	\$2,409
5	1800	230/460	184T	126	B0054YLF2ASH	12.6/6.3	89.5		MXTXPP	\$2,268
5	1800	575	184T	126	B0054YLF2OSH	5	89.5		MXTXPP	\$2,268
5	1200	230/460	215T	216	B0056YLF2AMH	13/6.5	89.5		MXTXPP	\$3,560
5	1200	575	215T	216	B0056YLF2OMH	5.2	89.5		MXTXPP	\$3,560
5	900	230/460	254T	330	B0058YLF2USH	16.0/8.0	90.2*		MXTXPP	\$4,717
5	900	575	254T	330	B0058YLF2OSH	6.4	90.2*		MXTXPP	\$4,717
7.5	3600	230/460	213T	237	BY752YLF2UMH	18/9	90.2		MXTXPP	\$2,986
7.5	3600	575	213T	237	BY752YLF2OMH	7.2	90.2		MXTXPP	\$2,986
7.5	1800	230/460	213T	221	BY754YLF2USH	Consult Factory for Availability			MXTXPP	\$2,844
7.5	1800	575	213T	221	BY754YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,844
7.5	1200	230/460	254T	373	BY756YLF2USH	19.6/9.8	91.7		MXTXPP	\$4,299
7.5	1200	575	254T	373	BY756YLF2OMH		91.7		MXTXPP	\$4,299
7.5	900	230/460	256T	350	BY758YLF2USH	23.0/11.5	90.2*		MXTXPP	\$5,199
7.5	900	575	256T	350	BY758YLF2OMH	9.0	90.2*		MXTXPP	\$5,199
10	3600	230/460	215T	237	B0102YLF2UMH	23/11.5	90.2		MXTXPP	\$3,224
10	3600	575	215T	237	B0102YLF2OMH	9.2	90.2		MXTXPP	\$3,224
10	1800	230/460	215T	221	B0104YLF2USH	Consult Factory for Availability			MXTXPP	\$3,311
10	1800	575	215T	221	B0104YLF2OSH	Consult Factory for Availability			MXTXPP	\$3,311
10	1200	230/460	256T	314	B0106YLF2USH	26/13	92.4		MXTXPP	\$5,181
10	1200	575	256T	314	B0106YLF2OSH	10.4	92.4		MXTXPP	\$5,181
10	900	230/460	284T	475	B0108YLF3AMH	30.0/15.0	91.0*		MXTXPP	\$6,561
10	900	575	284T	475	B0108YLF3OMH	11.8	91.0*		MXTXPP	\$6,561
15	3600	230/460	254T	373	B0152YLF2AMH	34/17	91.0		MXTXPP	\$4,413
15	3600	575	254T	373	B0152YLF2OMH	13.6	91.0		MXTXPP	\$4,413
15	1800	230/460	254T	373	B0154YLF2USH	37/18.5	92.4		MXTXPP	\$4,242
15	1800	575	254T	373	B0154YLF2OSH	14.8	92.4		MXTXPP	\$4,242
15	1200	230/460	284T	579	B0156YLF3UMH	37/18.5	91.7		MXTXPP	\$7,558
15	1200	575	284T	579	B0156YLF3OMH	15	91.7		MXTXPP	\$7,558
15	900	230/460	286T	579	B0158YLF2USH	50/25	90.2*		MXTXPP	\$8,632

Totally Enclosed Explosion Proof Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	900	575	286T	579	B0158YLF20SH	19	90.2*		MXTXPP	\$8,632
20	3600	230/460	256T	386	B0202YLF2USH	44/22	92.4		MXTXPP	\$5,289
20	3600	575	256T	386	B0202YLF20SH	17.6	92.4		MXTXPP	\$5,289
20	1800	230/460	256T	373	B0204YLF2USH	50/25	93.0		MXTXPP	\$5,081
20	1800	575	256T	373	B0204YLF20SH	20	93.0		MXTXPP	\$5,081
20	1200	230/460	286T	540	B0206YLF3UMH	Consult Factory for Availability			MXTXPP	\$8,396
20	1200	575	286T	540	B0206YLF30MH	Consult Factory for Availability			MXTXPP	\$8,396
20	900	230/460	324T	567	B0208YLF3AMH	62/31	91.0*		MXTXPP	\$9,757
20	900	575	324T	567	B0208YLF30MH	24	91.0*		MXTXPP	\$9,757
25	3600	230/460	284TS	560	B0252YLG3UMH	56/28	92.4		MXTXPP	\$6,886
25	3600	575	284TS	560	B0252YLG30MH	22	92.4		MXTXPP	\$6,886
25	1800	230/460	284T	584	B0254YLF3UMH	Consult Factory for Availability			MXTXPP	\$6,201
25	1800	575	284T	584	B0254YLF30MH	Consult Factory for Availability			MXTXPP	\$6,201
25	1200	230/460	324T	689	B0256YLF1UMH	Consult Factory for Availability			MXTXPP	\$10,179
25	1200	575	324T	689	B0256YLF10MH	Consult Factory for Availability			MXTXPP	\$10,179
25	900	230/460	326T	688	B0258YLF1AMH	70/35	91.7*		MXTXPP	\$12,367
25	900	575	326T	688	B0258YLF10MH	28	91.7*		MXTXPP	\$12,367
30	3600	230/460	286TS	560	B0302YLG3UMH	66/33	91.7		MXTXPP	\$7,424
30	3600	575	286TS	560	B0302YLG30MH	26	91.7		MXTXPP	\$7,424
30	1800	230/460	286T	550	B0304YLF3UMH	Consult Factory for Availability			MXTXPP	\$7,193
30	1800	575	286T	550	B0304YLF30MH	Consult Factory for Availability			MXTXPP	\$7,193
30	1200	230/460	326T	688	B0306YLF1UMH	Consult Factory for Availability			MXTXPP	\$11,916
30	1200	575	326T	688	B0306YLF10MH	Consult Factory for Availability			MXTXPP	\$11,916
30	900	230/460	364T	714	B0308YLF3AMH	84/42	92.4*		MXTXPP	\$14,718
30	900	575	364T	714	B0308YLF30MH	33	92.4*		MXTXPP	\$14,718
40	3600	230/460	324TS	754	B0402YLG3UMH	92/46	93.0		MXTXPP	\$9,991
40	3600	575	324TS	754	B0402YLG30MH	37	93.0		MXTXPP	\$9,991
40	1800	230/460	324T	735	B0404YLF1AMH	Consult Factory for Availability			MXTXPP	\$9,572
40	1800	575	324T	735	B0404YLF10MH	Consult Factory for Availability			MXTXPP	\$9,572
40	1200	230/460	364T	856	B0406YLF3UMH	96/48	94.1		MXTXPP	\$15,474
40	1200	575	364T	856	B0406YLF30MH	38	94.1		MXTXPP	\$15,474
40	900	230/460	365T	932	B0408YLF3AMH	114/57	91.7*		MXTXPP	\$17,679
40	900	575	365T	932	B0408YLF30MH	46	91.7*		MXTXPP	\$17,679
50	3600	230/460	326TS	754	B0502YLG3UMH	114/57	93.0		MXTXPP	\$12,299
50	3600	575	326TS	754	B0502YLG30MH	46	93.0		MXTXPP	\$12,299
50	1800	230/460	326T	735	B0504YLF1AMH	Consult Factory for Availability			MXTXPP	\$11,656
50	1800	575	326T	735	B0504YLF10MH	Consult Factory for Availability			MXTXPP	\$11,656
50	1200	230/460	365T	932	B0506YLF3UMH	Consult Factory for Availability			MXTXPP	\$17,577
50	1200	575	365T	932	B0506YLF30MH	Consult Factory for Availability			MXTXPP	\$17,577
50	900	230/460	404T	1200	B0508YLF3ASH	156/78	93.6*		MXTXPP	\$21,459
50	900	575	404T	1200	B0508YLF30SH	62	93.6*		MXTXPP	\$21,459
60	3600	230/460	364TS	984	B0602YLG3UMH	140/70	93.6		MXTXPP	\$17,529
60	3600	575	364TS	984	B0602YLG30MH	56	93.6		MXTXPP	\$17,529
60	1800	230/460	364T	961	B0604YLF3UMH	140/70	95.0		MXTXPP	\$16,939
60	1800	575	364T	961	B0604YLF30MH	56	95.0		MXTXPP	\$16,939
60	1200	230/460	404T	1600	B0606YLF3USH	140/70	95.0		MXTXPP	\$22,001
60	1200	575	404T	1600	B0606YLF30SH	56	95.0		MXTXPP	\$22,001

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Totally Enclosed Explosion Proof Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	900	230/460	405T	1456	B0608YLF3ASH	186/93	93.0*		MXTXPP	\$24,407
60	900	575	405T	1456	B0608YLF30SH	74	93.0*		MXTXPP	\$24,407
75	3600	230/460	365TS	984	B0752YLG3UMH	174/87	93.6		MXTXPP	\$20,315
75	3600	575	365TS	984	B0752YLG30MH	70	93.6		MXTXPP	\$20,315
75	1800	230/460	365T	1001	B0754YLF3UMH	Consult Factory for Availability			MXTXPP	\$20,839
75	1800	575	365T	1001	B0754YLF30MH	Consult Factory for Availability			MXTXPP	\$20,839
75	1200	230/460	405T	1600	B0756YLF3USH	184/92	95.0		MXTXPP	\$24,369
75	1200	575	405T	1600	B0756YLF30SH	73	95.0		MXTXPP	\$24,369
75	900	230/460	444T	2100	B0758YLF4ASH	222/111	94.1*	2	MXTXPP	\$29,453
75	900	575	444T	2100	B0758YLF40SH	99	94.5*	2	MXTXPP	\$29,453
100	3600	230/460	405TS	1525	B1002YLG3USH	228/114	95.0		MXTXPP	\$27,483
100	3600	575	405TS	1525	B1002YLG30SH	91	95.0		MXTXPP	\$27,483
100	1800	230/460	405T	1539	B1004YLF3USH	238/119	95.4		MXTXPP	\$25,623
100	1800	575	405T	1539	B1004YLF30SH	95	95.4		MXTXPP	\$25,623
100	1200	230/460	444T	2100	B1006YLF4USH	244/122	95.4		MXTXPP	\$33,871
100	1200	575	444T	2100	B1006YLF40SH	98	95.4		MXTXPP	\$33,871
125	3600	230/460	444TS	1838	B1253YLG3USH	286/143	95.0		MXTXPP	\$34,442
125	3600	575	444TS	1838	B1253YLG30SH	116	95.0		MXTXPP	\$34,442
125	3600	230/460	444TS	1838	B1251YLG3USH	286/143	95.0		MXTXPP	\$34,442
125	3600	575	444TS	1838	B1251YLG30SH	116	95.0		MXTXPP	\$34,442
125	1800	230/460	444T	2100	B1254YLF4USH	290/145	95.8		MXTXPP	\$30,048
125	1800	575	444T	2100	B1254YLF40SH	116	95.8		MXTXPP	\$30,048
125	1200	230/460	445T	2155	B1256YLF4USH	Consult Factory for Availability			MXTXPP	\$36,392
125	1200	575	445T	2155	B1256YLF40SH	Consult Factory for Availability			MXTXPP	\$36,392
150	3600	230/460	445TS	2115	B1503YLG3USH	350/175	95.4		MXTXPP	\$40,313
150	3600	575	445TS	2115	B1503YLG30SH	140	95.4		MXTXPP	\$40,313
150	3600	230/460	445TS	2115	B1501YLG3USH	350/175	95.4		MXTXPP	\$40,313
150	3600	575	445TS	2115	B1501YLG30SH	140	95.4		MXTXPP	\$40,313
150	1800	230/460	445T	2164	B1504YLF4USH	354/177	95.8		MXTXPP	\$35,522
150	1800	575	445T	2164	B1504YLF40MH	142	95.8		MXTXPP	\$35,522
150	1200	460	447T	2444	B1506YLF4BMH	Consult Factory for Availability			MXTXPP	\$39,597
150	1200	575	447T	2444	B1506YLF40MH	Consult Factory for Availability			MXTXPP	\$39,597
200	3600	460	447TSS	2445	B2003YLG3BSH	218	95.8		MXTXPP	\$49,194
200	3600	575	447TSS	2445	B2003YLG30SH	168	95.8		MXTXPP	\$49,194
200	3600	460	447TSS	2445	B2001YLG3BSH	218	95.8		MXTXPP	\$49,194
200	3600	575	447TSS	2445	B2001YLG30SH	168	95.8		MXTXPP	\$49,194
200	1800	460	447T	2466	B2004YLF4BSH	233	96.2		MXTXPP	\$41,984
200	1800	575	447T	2466	B2004YLF40SH	186	96.2		MXTXPP	\$41,984
200	1200	460	N449T		2006XPEB41A				MXTXPP	\$45,372
200	1200	575	N449T		2006XPEC41A				MXTXPP	\$45,372
250	3600	230/460	N449T		2503XPEB41B				MXTXPP	\$55,986
250	3600	575	N449T		2503XPEC41B				MXTXPP	\$55,986
250	1800	230/460	N449T		2504XPEB41A				MXTXPP	\$48,625
250	1800	575	N449T		2504XPEC41A				MXTXPP	\$48,625
250	1200	460	N449T		2006XPEB41B				MXTXPP	\$51,679
250	1200	575	N449T		2006XPEC41B				MXTXPP	\$51,679

Totally Enclosed Explosion Proof Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	3600	460	N449T		3003XPEB41B				MXTXPP	\$62,015
300	3600	575	N449T		3003XPEC41B				MXTXPP	\$62,015
300	1800	460	N449T		3004XPEB41A				MXTXPP	\$51,807
300	1800	575	N449T		3004XPEC41A				MXTXPP	\$51,807
300	1200	460	N449T		3006XPEB41A				MXTXPP	\$55,518
300	1200	575	N449T		3006XPEC41A				MXTXPP	\$55,518
350	3600	230/460	N449T		3503XPEB41B				MXTXPP	\$64,378
350	3600	575	N449T		3503XPEC41B				MXTXPP	\$64,378
350	1800	230/460	N449T		3504XPEB41A				MXTXPP	\$54,928
350	1800	575	N449T		3504XPEC41A				MXTXPP	\$54,928

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium[®] is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP III refers to motors that meet or exceed NEMA Premium[®] efficiency levels (except where noted with * symbol).

LV General Purpose CT

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EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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General Purpose EQP Global

EQP Global Motor Series

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation NEMA Premium® efficiency motor series. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.

Our EQP philosophy extends beyond great products. We provide solutions and Global Supply Chain Management Systems (GSCMS) to meet the evolving needs of our global customers.

Standard Features:

- Totally Enclosed Fan Cooled
- Severe Duty, Mill & Chemical (840) or Petro-Chemical (841)
- NEMA Premium® Efficiency
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Available in Footed & C-Faced Footed Designs
- Dual-Frequency Nameplated (60/50 Hz) on Global SD & Global 840 (1 to 75 HP)
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- Ingress Protection of 54 or 56
- Cast Iron Conduit Box
- Cast Iron Frame and Brackets
- Breather Drains
- V-Ring or Labyrinth Shaft Seal
- Dual-Drilled for Multiple Mounting (140 through 445 Frame)
- 4142 High Strength Shaft Steel on all 440 Frame and Larger Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on all 1 to 200 HP, 4 and 6-Pole Motors
- No Load Commercial Testing on All Motors

3 Year
Warranty

5 Year
Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Mixers
- Material Handling

Warranty:

EQP Global SD & EQP Global 840

- From Date of Manufacture: 36 Months

EQP Global 841

- From Date of Manufacture: 60 Months



Totally Enclosed Fan Cooled EQP Global SD NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation motor product line. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



Designed for severe duty applications and built on over 20 years of success with our EQPIII motor series, the EQP Global SD features multiple new design enhancements that make it one of the lowest cost-of-ownership products in the industry.

Product Scope

Horsepower:	3/4 to 700 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
(50 Hz)*:	3000, 1500, or 1000 RPM
Volt (60 Hz):	230/460, 460, or 575 V
(50 Hz):	190/380 or 380 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5810U
Construction:	Cast Iron (Frame, Brackets, & Conduit Box)
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less (Unfiltered)
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty) with Voltage Withstand Capability of 2000 V in 0.1 μs

Standard Features:

- IP54 Protection
- Dual-Frequency 50/60 Hz on Nameplate (1 to 75 HP)
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Regreasable 280 Frame and Larger
- Multi-Mount on 140 through 445 & N449 Frames
- 100% No-Load Commercial Test per IEEE 112 on All Motors
- On 440 Frame & Larger:
 - » Commercial Test & Vibration Test
 - » 100% of Bearings are Ball-Pass Frequency Tested

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQPIII Series base price for these frame sizes.)**

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EQP Global

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	52	3/46SDSR41A-P	2.8 / 1.4	80.0	1, 9	MTPFCP	\$547
0.75	1200	575	143T	52	3/46SDSC41A-P	1.1	81.9	1, 9	MTPFCP	\$548
1	1800	230/460	143T	51	0014SDSR41A-P	3.4 / 1.7	85.5	1, 9	MTPFCP	\$464
1	1800	575	143T	51	0014SDSC41A-P	1.3	85.5	1, 9	MTPFCP	\$464
1	1200	230/460	145T	56	0016SDSR41A-P	3.6 / 1.8	82.5	1, 9	MTPFCP	\$576
1	1200	575	145T	56	0016SDSC41A-P	1.5	82.5	1, 9	MTPFCP	\$576
1.5	3600	230/460	143T	50	Y152SDSR41A-P	4 / 2	84.0	1, 9	MTPFCP	\$505
1.5	3600	575	143T	50	Y152SDSC41A-P	1.6	84.0	1, 9	MTPFCP	\$505
1.5	1800	230/460	145T	53	Y154SDSR41A-P	4.8 / 2.4	86.5	1, 9	MTPFCP	\$510
1.5	1800	575	145T	53	Y154SDSC41A-P	1.9	86.5	1, 9	MTPFCP	\$510
1.5	1200	230/460	182T	79	Y156SDSR41A-P	5 / 2.5	87.5	1, 9	MTPFCP	\$615
1.5	1200	575	182T	79	Y156SDSC41A-P	2	87.5	1, 9	MTPFCP	\$615
2	3600	230/460	145T	53	0022SDSR41A-P	5.2 / 2.6	85.5	1, 9	MTPFCP	\$612
2	3600	575	145T	53	0022SDSC41A-P	2.1	85.5	1, 9	MTPFCP	\$612
2	1800	230/460	145T	56	0024SDSR41A-P	6 / 3	86.5	1, 9	MTPFCP	\$554
2	1800	575	145T	56	0024SDSC41A-P	2.4	86.5	1, 9	MTPFCP	\$554
2	1200	230/460	184T	93	0026SDSR41A-P	6.8 / 3.4	88.5	1, 9	MTPFCP	\$713
2	1200	575	184T	93	0026SDSC41A-P	2.7	88.5	1, 9	MTPFCP	\$713
3	3600	230/460	182T	77	0032SDSR41A-P	7.4 / 3.7	86.5	1, 9	MTPFCP	\$647
3	3600	575	182T	77	0032SDSC41A-P	3	86.5	1, 9	MTPFCP	\$647
3	1800	230/460	182T	86	0034SDSR41A-P	8 / 4	89.5	1, 9	MTPFCP	\$636
3	1800	575	182T	86	0034SDSC41A-P	3.2	89.5	1, 9	MTPFCP	\$636
3	1200	230/460	213T	147	0036SDSR41A-P	8.8 / 4.4	89.5	1, 9	MTPFCP	\$906
3	1200	575	213T	147	0036SDSC41A-P	3.5	89.5	1, 9	MTPFCP	\$906
5	3600	230/460	184T	91	0052SDSR41A-P	11.6 / 5.8	88.5	1, 9	MTPFCP	\$802
5	3600	575	184T	91	0052SDSC41A-P	4.6	88.5	1, 9	MTPFCP	\$802
5	1800	230/460	184T	97	0054SDSR41A-P	13 / 6.5	89.5	1, 9	MTPFCP	\$726
5	1800	575	184T	97	0054SDSC41A-P	5.2	89.5	1, 9	MTPFCP	\$726
5	1200	230/460	215T	165	0056SDSR41A-P	13.8 / 6.9	89.5	1, 9	MTPFCP	\$1,332
5	1200	575	215T	165	0056SDSC41A-P	5.5	89.5	1, 9	MTPFCP	\$1,332
7.5	3600	230/460	213T	155	Y752SDSR41A-P	18 / 9	89.5	1, 9	MTPFCP	\$1,039
7.5	3600	575	213T	155	Y752SDSC41A-P	7.2	89.5	1, 9	MTPFCP	\$1,039
7.5	1800	230/460	213T	171	Y754SDSR41A-P	19.6 / 9.8	91.7	1, 9	MTPFCP	\$1,039
7.5	1800	575	213T	171	Y754SDSC41A-P	7.8	91.7	1, 9	MTPFCP	\$1,039
7.5	1200	230/460	254T	252	Y756SDSR41A-P	20.4 / 10.2	91.0	1, 9	MTPFCP	\$1,768
7.5	1200	575	254T	252	Y756SDSC41A-P	8.2	91.0	1, 9	MTPFCP	\$1,768
10	3600	230/460	215T	172	0102SDSR41A-P	23.6 / 11.8	90.2	1, 9	MTPFCP	\$1,246
10	3600	575	215T	172	0102SDSC41A-P	9.4	90.2	1, 9	MTPFCP	\$1,246
10	1800	230/460	215T	186	0104SDSR41A-P	26 / 13	91.7	1, 9	MTPFCP	\$1,264
10	1800	575	215T	186	0104SDSC41A-P	10.4	91.7	1, 9	MTPFCP	\$1,264
10	1200	230/460	256T	274	0106SDSR41A-P	26.8 / 13.4	91.0	1, 9	MTPFCP	\$2,160
10	1200	575	256T	274	0106SDSC41A-P	10.8	91.0	1, 9	MTPFCP	\$2,160
15	3600	230/460	254T	274	0152SDSR41A-P	36 / 18	91.0	1, 9	MTPFCP	\$1,714
15	3600	575	254T	274	0152SDSC41A-P	14.4	91.0	1, 9	MTPFCP	\$1,714
15	1800	230/460	254T	289	0154SDSR41A-P	38 / 19	92.4	1, 9	MTPFCP	\$1,706
15	1800	575	254T	289	0154SDSC41A-P	15.2	92.4	1, 9	MTPFCP	\$1,706
15	1200	230/460	284T	364	0156SDSR41A-P	39.2 / 19.6	91.7	1, 9	MTPFCP	\$3,029

Totally Enclosed Fan Cooled
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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	1200	575	284T	364	0156SDSC41A-P	15.8	91.7	1, 9	MTPFCP	\$3,029
20	3600	230/460	256T	292	0202SDSR41A-P	48 / 24	91.0	1, 9	MTPFCP	\$2,220
20	3600	575	256T	292	0202SDSC41A-P	19.2	91.0	1, 9	MTPFCP	\$2,220
20	1800	230/460	256T	340	0204SDSR41A-P	50 / 25	93.0	1, 9	MTPFCP	\$2,107
20	1800	575	256T	340	0204SDSC41A-P	20	93.0	1, 9	MTPFCP	\$2,107
20	1200	230/460	286T	411	0206SDSR41A-P	50.8 / 25.4	91.7	1, 9	MTPFCP	\$3,548
20	1200	575	286T	411	0206SDSC41A-P	20.4	91.7	1, 9	MTPFCP	\$3,548
25	3600	230/460	284TS	406	0252SDSR41B-P	58 / 29	91.7	1, 9	MTPFCP	\$2,725
25	3600	575	284TS	406	0252SDSC41B-P	23.2	91.7	1, 9	MTPFCP	\$2,725
25	1800	230/460	284T	424	0254SDSR41A-P	61 / 30.5	93.6	1, 9	MTPFCP	\$2,556
25	1800	575	284T	424	0254SDSC41A-P	24.4	93.6	1, 9	MTPFCP	\$2,556
25	1200	230/460	324T	545	0256SDSR41A-P	62.4 / 31.2	93.0	1, 9	MTPFCP	\$4,306
25	1200	575	324T	545	0256SDSC41A-P	24.6	93.0	1, 9	MTPFCP	\$4,306
30	3600	230/460	286TS	439	0302SDSR41B-P	70 / 35	91.7	1, 9	MTPFCP	\$3,131
30	3600	575	286TS	439	0302SDSC41B-P	28	91.7	1, 9	MTPFCP	\$3,131
30	1800	230/460	286T	448	0304SDSR41A-P	72.8 / 36.4	93.6	1, 9	MTPFCP	\$3,073
30	1800	575	286T	448	0304SDSC41A-P	29.2	93.6	1, 9	MTPFCP	\$3,073
30	1200	230/460	326T	571	0306SDSR41A-P	74.4 / 37.2	93.0	1, 9	MTPFCP	\$5,257
30	1200	575	326T	571	0306SDSC41A-P	30	93.0	1, 9	MTPFCP	\$5,257
40	3600	230/460	324TS	589	0402SDSR41B-P	94 / 47	92.4	1, 9	MTPFCP	\$3,943
40	3600	575	324TS	589	0402SDSC41B-P	37.6	92.4	1, 9	MTPFCP	\$3,943
40	1800	230/460	324T	593	0404SDSR41A-P	96 / 48	94.1	1, 9	MTPFCP	\$3,973
40	1800	575	324T	593	0404SDSC41A-P	38.4	94.1	1, 9	MTPFCP	\$3,973
40	1200	230/460	364T	708	0406SDSR41A-P	96 / 48	94.1	1, 9	MTPFCP	\$6,878
40	1200	575	364T	708	0406SDSC41A-P	38.4	94.1	1, 9	MTPFCP	\$6,878
50	3600	230/460	326TS	624	0502SDSR41B-P	116 / 58	93.0	1, 9	MTPFCP	\$5,467
50	3600	575	326TS	624	0502SDSC41B-P	46.4	93.0	1, 9	MTPFCP	\$5,467
50	1800	230/460	326T	651	0504SDSR41A-P	120 / 60	94.5	1, 9	MTPFCP	\$4,845
50	1800	575	326T	651	0504SDSC41A-P	48	94.5	1, 9	MTPFCP	\$4,845
50	1200	230/460	365T	757	0506SDSR41A-P	120 / 60	94.1	1, 9	MTPFCP	\$8,029
50	1200	575	365T	757	0506SDSC41A-P	48	94.1	1, 9	MTPFCP	\$8,029
60	3600	230/460	364TS	763	0602SDSR41B-P	138 / 69	93.6	1, 9	MTPFCP	\$6,737
60	3600	575	364TS	763	0602SDSC41B-P	55	93.6	1, 9	MTPFCP	\$6,737
60	1800	230/460	364T	796	0604SDSR41A-P	138 / 69	95.0	1, 9	MTPFCP	\$6,828
60	1800	575	364T	796	0604SDSC41A-P	55	95.0	1, 9	MTPFCP	\$6,828
60	1200	230/460	404T	1241	B0606FLF3USH02	148 / 74	95.0		MXTFCG	\$10,866
60	1200	575	404T	1241	B0606FLF3OSH02	59	95.0		MXTFCG	\$10,866
75	3600	230/460	365TS	814	0752SDSR41B-P	172 / 86	93.6	1, 9	MTPFCP	\$8,484
75	3600	575	365TS	814	0752SDSC41B-P	68.8	93.6	1, 9	MTPFCP	\$8,484
75	1800	230/460	365T	893	0754SDSR41A-P	172 / 86	95.4	1, 9	MTPFCP	\$8,796
75	1800	575	365T	893	0754SDSC41A-P	68.8	95.4	1, 9	MTPFCP	\$8,796
75	1200	230/460	405T	1319	B0756FLF3USH02	182 / 91	95.0		MXTFCG	\$13,770
75	1200	575	405T	1319	B0756FLF3OSH02	73	95.0		MXTFCG	\$13,770
100	3600	230/460	405TS	1305	B1002FLG3USH02	228/114	95.0		MXTFCG	\$13,470
100	3600	575	405TS	1305	B1002FLG3OSH02	91	95.0		MXTFCG	\$13,470
100	1800	230/460	405T	1353	B1004FLF3USH03	238/119	95.4		MXTFCG	\$12,828
100	1800	575	405T	1353	B1004FLF3OSH03	95	95.4		MXTFCG	\$12,828

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	1200	230/460	444T	1990	B1006FLF4USH01	246/123	95.4	2	MXTFCG	\$18,189
100	1200	575	444T	1990	B1006FLF4OSH01	98	95.4	2	MXTFCG	\$18,189
125	3600	230/460	444TS	1831	B1253FLG3USH01	280/140	95.4	4	MXTFCG	\$16,507
125	3600	230/460	444TS	1831	B1251FLG3USH	280/140	95.4	5	MXTFCG	\$16,507
125	3600	575	444TS	1831	B1253FLG3OSH01	112	95.4	4	MXTFCG	\$16,507
125	3600	575	444TS	1831	B1251FLG3OSH	112	95.4	5	MXTFCG	\$16,507
125	1800	230/460	444T	1873	B1254FLF4USH01	290/145	95.8	2	MXTFCG	\$16,168
125	1800	230/460	444T	1873	B1254FLF3USH	290/145	95.8	8	MXTFCG	\$16,168
125	1800	575	444T	1873	B1254FLF4OSH01	116	95.8	2	MXTFCG	\$16,168
125	1800	575	444T	1873	B1254FLF3OSH	116	95.8	8	MXTFCG	\$16,168
125	1200	230/460	445T	2100	B1256FLF4USH01	312/156	95.4	2	MXTFCG	\$18,753
125	1200	575	445T	2100	B1256FLF4OSH01	125	95.4	2	MXTFCG	\$18,753
150	3600	230/460	445TS	2016	A1503FLG3USH01	338/169	95.8	4, 6	MXTFCG	\$20,617
150	3600	230/460	445TS	2016	A1501FLG3USH01	338/169	95.8	5, 6	MXTFCG	\$20,617
150	3600	575	445TS	2016	A1503FLG3OSH01	135	95.8	4, 6	MXTFCG	\$20,617
150	3600	575	445TS	2016	A1501FLG3OSH01	135	95.8	5, 6	MXTFCG	\$20,617
150	1800	230/460	445T	2040	B1504FLF4USH01	354/177	95.8	2	MXTFCG	\$18,867
150	1800	230/460	445T	2040	B1504FLF3USH	354/177	95.8	8	MXTFCG	\$18,867
150	1800	575	445T	2040	B1504FLF4OSH01	142	95.8	2	MXTFCG	\$18,867
150	1800	575	445T	2040	B1504FLF3OSH	142	95.8	8	MXTFCG	\$18,867
150	1200	575	447T	2211	B1506FLF4OSH01	146	95.8	2	MXTFCG	\$21,896
150	1200	460	447T	2211	B1506FLF4BSH01	182	95.8	2	MXTFCG	\$21,896
200	3600	460	447TS	2325	B2003FLG3BSH01	225	95.8	4	MXTFCG	\$26,798
200	3600	460	447TS	2325	B2001FLG3BSH	225	95.8	5	MXTFCG	\$26,798
200	3600	575	447TS	2325	B2003FLG3OSH01	180	96.2	4	MXTFCG	\$26,798
200	3600	575	447TS	2325	B2001FLG3OSH	180	96.2	5	MXTFCG	\$26,798
200	1800	460	447T	2375	B2004FLF4BSH01	233	96.2	2	MXTFCG	\$22,677
200	1800	460	447T	2375	B2004FLF3BSH	233	96.2	8	MXTFCG	\$22,677
200	1800	575	447T	2375	B2004FLF4OSH01	186	96.2	2	MXTFCG	\$22,677
200	1800	575	447T	2375	B2004FLF3OSH	233	96.2	8	MXTFCG	\$22,677
200	1200	460	N449T	2629	B2006FLF4BMHL	246	96.2	2	MXTFCG	\$27,242
200	1200	460	505US	2629	B2006FLG3BSH	235	95.8		MXTFCG	\$29,781
200	1200	460	505UZ	2629	B2006FLF4BSH	235	95.8	2	MXTFCG	\$32,565
200	1200	575	N449T	2629	B2006FLF4OMHL	189	96.2	2	MXTFCG	\$27,242
200	1200	575	505US	2629	B2006FLG3OSH	188	95.8		MXTFCG	\$29,781
200	1200	575	505UZ	2629	B2006FLF4OSH	188	95.8	2	MXTFCG	\$32,565
250	3600	460	N449TS	3800	B2503FLG3BMHL	273	95.4 *	4	MXTFCG	\$33,666
250	3600	460	N449TS	3800	B2501FLG3BMHL	273	95.4 *	5	MXTFCG	\$33,666
250	3600	460	5010USS	3952	B2503FLG3BMH	275	95.8	4	MXTFCG	\$35,072
250	3600	460	5010USS	3952	B2501FLG3BMH	275	95.8	5	MXTFCG	\$35,072
250	3600	575	N449TS	3800	B2503FLG3OMHL	218	95.4 *	4	MXTFCG	\$33,666
250	3600	575	N449TS	3800	B2501FLG3OMHL	218	95.4 *	5	MXTFCG	\$33,666
250	3600	575	5010USS	3952	B2503FLG3OMH	220	95.8	4	MXTFCG	\$35,072
250	3600	575	5010USS	3952	B2501FLG3OMH	220	95.8	5	MXTFCG	\$35,072
250	1800	460	N449T	3810	B2504FLF4BMHL	276	96.2	2	MXTFCG	\$27,529
250	1800	460	N449T	3810	B2504FLF3BMHL	276	96.2	8	MXTFCG	\$27,529
250	1800	460	505US	2907	B2504FLG3BMH	290	95.8 *		MXTFCG	\$29,310

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	1800	460	505UZ	3005	B2504FLF4BMH	290	95.8 *	2	MXTFCG	\$32,094
250	1800	575	N449T	3810	B2504FLF4OMHL	220	96.2	2	MXTFCG	\$27,529
250	1800	575	505US	2907	B2504FLG3OMH	232	95.8 *		MXTFCG	\$29,310
250	1800	575	505UZ	3005	B2504FLF4OMH	232	95.8 *	2	MXTFCG	\$32,094
250	1200	460	N449T	3930	B2506FLF4BMHL	295	96.2	2	MXTFCG	\$34,366
250	1200	460	5010US	4193	B2506FLG3BMH01	305	95.8		MXTFCG	\$36,175
250	1200	460	5010UZ	4193	B2506FLF4BMH01	305	95.8	2	MXTFCG	\$38,959
250	1200	575	N449T	3930	B2506FLF4OMHL	232	96.2	2	MXTFCG	\$34,366
250	1200	575	5010US	4193	B2506FLG3OMH01	232	95.8		MXTFCG	\$36,175
250	1200	575	5010UZ	4193	B2506FLF4OMH01	244	95.8	2	MXTFCG	\$38,959
300	3600	460	N449TS	3815	B3003FLG3BMHL	328	95.8	4	MXTFCG	\$41,936
300	3600	460	N449TS	3815	B3001FLG3BMHL	328	95.8	5	MXTFCG	\$41,936
300	3600	460	5010USS	3954	B3003FLG8BMH	325	95.8	4	MXTFCG	\$43,497
300	3600	460	5010USS	3954	B3001FLG8BMH	325	95.8	5	MXTFCG	\$43,497
300	3600	575	N449TS	3815	B3003FLG3OMHL	261	95.8	4	MXTFCG	\$41,936
300	3600	575	N449TS	3815	B3001FLG3OMHL	261	95.8	5	MXTFCG	\$41,936
300	3600	575	5010USS	3954	B3003FLG8OMH	260	95.8	4	MXTFCG	\$43,497
300	3600	575	5010USS	3954	B3001FLG8OMH	260	95.8	5	MXTFCG	\$43,497
300	1800	460	N449T	3850	B3004FLF4BMHL	330	96.2	2	MXTFCG	\$32,094
300	1800	460	N449T	3850	B3004FLF3BMHL	330	96.2	8	MXTFCG	\$32,094
300	1800	460	5010US	4378	B3004FLG3BMH01	330	96.5		MXTFCG	\$33,704
300	1800	460	5010UZ	4219	B3004FLF4BMH01	330	96.5	2	MXTFCG	\$36,488
300	1800	575	N449T	3850	B3004FLF4OMHL	264	96.2	2	MXTFCG	\$32,094
300	1800	575	5010US	4378	B3004FLG3OMH01	264	96.5		MXTFCG	\$33,704
300	1800	575	5010UZ	4219	B3004FLF4OMH01	264	96.5	2	MXTFCG	\$36,488
300	1200	460	N449T	3930	B3006FLF4BMHL	354	96.2	2	MXTFCG	\$46,898
300	1200	460	5010US	4232	B3006FLG3BMH01	363	96.2		MXTFCG	\$49,272
300	1200	460	5010UZ	4400	B3006FLF4BMH01	363	96.2	2	MXTFCG	\$52,056
300	1200	575	N449T	3930	B3006FLF4OMHL	283	96.2	2	MXTFCG	\$46,898
300	1200	575	5010US	4232	B3006FLG3OMH	290	96.2		MXTFCG	\$49,272
300	1200	575	5010UZ	4400	B3006FLF4OMH01	290	96.2	2	MXTFCG	\$52,056
350	3600	460	N449TS	3815	B3503FLG3BMHL	382	95.8	4	MXTFCG	\$46,820
350	3600	460	N449TS	3815	B3501FLG3BMHL	382	95.8	5	MXTFCG	\$46,820
350	3600	460	5010USS	3975	B3503FLG8BMH	380	95.8	4	MXTFCG	\$49,150
350	3600	575	N449TS	3815	B3503FLG3OMHL	307	95.8	4	MXTFCG	\$46,820
350	3600	575	N449TS	3815	B3501FLG3OMHL	307	95.8	5	MXTFCG	\$46,820
350	3600	575	5010USS	3975	B3503FLG8OMH	304	95.8	4	MXTFCG	\$49,150
350	1800	460	N449T	3850	B3504FLF4BMHL	380	96.2	2	MXTFCG	\$36,087
350	1800	460	N449T	3850	B3504FLF3BMHL	380	96.2	8	MXTFCG	\$36,087
350	1800	460	5010US	4121	B3504FLG3BMH01	388	96.2		MXTFCG	\$37,890
350	1800	460	5010UZ	4121	B3504FLF4BMH01	388	96.2	2	MXTFCG	\$40,674
350	1800	575	N449T	3850	B3504FLF4OMHL	304	96.2	2	MXTFCG	\$36,087
350	1800	575	5010US	4121	B3504FLG3OMH01	310	96.2		MXTFCG	\$37,890
350	1800	575	5010UZ	4121	B3504FLF4OMH	310	96.2	2	MXTFCG	\$40,674
350	1200	460	L449T	3800	B3506FLF4BMHL01	414	96.2	2	MXTFCG	\$49,445
350	1200	460	5010US	4735	B3506FLG3BMH	416	95.0 *		MXTFCG	\$51,947
350	1200	460	5010UZ	4735	B3506FLF4BMH	416	95.0 *	2	MXTFCG	\$54,731

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EQP Global

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LV Definite Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	460	5011US		3506FTAB41E-A	415	95.8	11	MXTFCG	\$59,739
350	1200	460	5011UZ		3506FTAB41E-AR			11	MXTFCG	\$62,941
350	1200	575	L449T	3800	B3506FLF40MHL01	328	96.2	2	MXTFCG	\$49,445
350	1200	575	5010US	4735	B3506FLG3OMH	333	95.0 *		MXTFCG	\$51,947
350	1200	575	5010UZ	4735	B3506FLF40MH	333	95.0 *	2	MXTFCG	\$54,731
350	1200	575	5011US		3506FTAC41E-A			11	MXTFCG	\$59,739
350	1200	575	5011UZ		3506FTAC41G-AR			11	MXTFCG	\$62,941
400	3600	460	5010USS	4412	B4003FLG8BMH	438	95.8	4	MXTFCG	\$58,324
400	3600	460	5010USS	4412	B4001FLG8BMH	438	95.8	5	MXTFCG	\$58,324
400	3600	460	5011USS		4003FTAB41F-A	441	95.8	11	MXTFCG	\$67,073
400	3600	575	5010USS	4412	B4003FLG8OMH	350	95.8	4	MXTFCG	\$58,324
400	3600	575	5010USS	4412	B4001FLG8OMH	350	95.8	5	MXTFCG	\$58,324
400	3600	575	5011USS		4003FTAC41F-A			11	MXTFCG	\$67,073
400	1800	460	5010US	4017	B4004FLG3BMH01	450	96.2		MXTFCG	\$53,030
400	1800	460	5010UZ	4017	B4004FLF4BMH01	450	96.2	2	MXTFCG	\$55,815
400	1800	460	5011US		4004FTAB41E-A	446	96.2	11	MXTFCG	\$60,985
400	1800	460	5011UZ		4004FTAB41E-AR			11	MXTFCG	\$64,188
400	1800	575	5010US	4017	B4004FLG3OMH01	365	96.2		MXTFCG	\$53,030
400	1800	575	5010UZ	4017	B4004FLF4OMH01	365	96.2	2	MXTFCG	\$55,815
400	1800	575	5011US		4004FTAC41E-A			11	MXTFCG	\$60,985
400	1800	575	5011UZ		4004FTAC41G-AR			11	MXTFCG	\$64,188
400	1200	460	5010US	4931	F4006FLG3BMH	481	95.0*		MXTFCG	\$59,368
400	1200	460	5010UZ	4931	F4006FLF4BMH	481	95.0*	2	MXTFCG	\$62,152
400	1200	575	5010US	4931	F4006FLG3OMH	385	95.0*		MXTFCG	\$59,368
400	1200	575	5010UZ	4931	F4006FLF40MH	385	95.0*	2	MXTFCG	\$62,152
450	3600	460	5010USS	4637	B4503FLG8BMH	493	95.8	4	MXTFCG	\$65,623
450	3600	460	5010USS	4637	B4501FLG8BMH	493	95.8	5	MXTFCG	\$65,623
450	3600	460	5011USS		4503FTAB41F-A	494	95.8	11	MXTFCG	\$75,466
450	3600	575	5010USS	4637	B4503FLG8OMH	394	95.8	4	MXTFCG	\$65,623
450	3600	575	5010USS	4637	B4501FLG8OMH	394	95.8	5	MXTFCG	\$65,623
450	3600	575	5011USS		4503FTAC41F-A			11	MXTFCG	\$75,466
450	1800	460	5010US	4617	B4504FLG3BMH	514	95.4 *		MXTFCG	\$53,900
450	1800	460	5010UZ	4617	B4504FLF4BMH	514	95.4 *	2	MXTFCG	\$56,684
450	1800	460	5011US		4504FTAB41E-A	504	96.2	11	MXTFCG	\$65,186
450	1800	460	5011UZ		4504FTAB41E-AR			11	MXTFCG	\$74,964
450	1800	575	5010US	4617	B4504FLG3OMH	411	95.4 *		MXTFCG	\$53,900
450	1800	575	5010UZ	4617	B4504FLF40MH	411	95.4 *	2	MXTFCG	\$56,684
450	1800	575	5011US		4504FTAC41E-A			11	MXTFCG	\$65,186
450	1800	575	5011UZ		4504FTAC41G-AR			11	MXTFCG	\$74,964
450	1200	460	5810US		F4506FLG3BMH	533	95.4*		MXTFCG	\$64,040
450	1200	460	5810UZ		F4506FLF4BMH	533	95.4*	2	MXTFCG	\$67,242
450	1200	575	5810US		F4506FLG3OMH	427	95.4*		MXTFCG	\$64,040
450	1200	575	5810UZ		F4506FLF40MH	427	95.4*	2	MXTFCG	\$67,242
500	3600	460	5010USS	4637	B5003FKG8BMH	547	95.8	3, 4	MXTFCG	\$72,911
500	3600	460	5010USS	4637	B5001FKG8BMH	547	95.8	3, 5	MXTFCG	\$72,911
500	3600	460	5011USS		5003FTAB41F-A	549	95.8	11	MXTFCG	\$83,847
500	3600	575	5010USS	4637	B5003FKG8OMH	438	95.8	3, 4	MXTFCG	\$72,911

**Totally Enclosed Fan Cooled
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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
500	3600	575	5010USS	4637	B5001FKG8OMH	438	95.8	3, 5	MXTFCG	\$72,911
500	3600	575	5011USS		5003FTAC41F-A			11	MXTFCG	\$83,847
500	1800	460	5010US	4755	B5004FLG3BMH	575	95.4 *	10	MXTFCG	\$59,888
500	1800	460	5010UZ	4755	B5004FLF4BMH	575	95.4 *	2, 10	MXTFCG	\$62,672
500	1800	460	5011US		5004FTAB41E-A	565	96.2	11	MXTFCG	\$72,073
500	1800	460	5011UZ		5004FTAB41E-AR			11	MXTFCG	\$82,884
500	1800	575	5010US	4755	B5004FLG3OMH	460	95.4 *	10	MXTFCG	\$59,888
500	1800	575	5010UZ	4755	B5004FLF4OMH	460	95.4 *	2, 10	MXTFCG	\$62,672
500	1800	575	5011US		5004FTAC41E-A			11	MXTFCG	\$72,073
500	1800	575	5011UZ		5004FTAC41G-AR			11	MXTFCG	\$82,884
500	1200	460	5810US		F5006FLG3BMH	615	95.8		MXTFCG	\$71,155
500	1200	460	5810UZ		F5006FLF4BMH	615	95.8	2	MXTFCG	\$74,357
500	1200	575	5810US		F5006FLG3OMH	490	95.8		MXTFCG	\$71,155
500	1200	575	5810UZ		F5006FLF4OMH	490	95.8	2	MXTFCG	\$74,357
600	1800	460	5810US		F6004FLG3BMH	673	95.8*		MXTFCG	\$71,155
600	1800	460	5810UZ		F6004FLF4BMH	673	95.8*	2	MXTFCG	\$74,357
600	1800	575	5810US		F6004FLG3OMH	540	95.8*		MXTFCG	\$71,155
600	1800	575	5810UZ		F6004FLF4OMH	540	95.8*	2	MXTFCG	\$74,357
600	1200	460	5810US		F6006FLG3BMH	776	95.8*		MXTFCG	\$85,387
600	1200	460	5810UZ		F6006FLF4BMH	776	95.8*	2	MXTFCG	\$88,589
600	1200	575	5810US		F6006FLG3OMH	620	95.8*		MXTFCG	\$85,387
600	1200	575	5810UZ		F6006FLF4OMH	620	95.8*	2	MXTFCG	\$88,589
700	1800	460	5810US		F7004FLG3BMH	799	95.8*		MXTFCG	\$83,014
700	1800	460	5810UZ		F7004FLF4BMH	799	95.8*	2	MXTFCG	\$86,216
700	1800	575	5810US		F7004FLG3OMH	640	95.8*		MXTFCG	\$83,014
700	1800	575	5810UZ		F7004FLF4OMH	640	95.8*	2	MXTFCG	\$86,216

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

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Totally Enclosed Fan Cooled EQP Global 840 NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation motor product line. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.

The EQP Global 840 specifically addresses the needs of the mill and chemical industries, incorporating many key features of an IEEE-841 motor. Building on over 20 years of success with our EQP III motor series, the EQP Global 840 features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 500 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
(50 Hz)*:	3000, 1500, or 1000 RPM
Volt (60 Hz):	460 or 575 V
(50 Hz):	380 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5810U
Construction:	All Cast Iron (Frame End Bracket, Fan Cover, & Conduit Box)
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less (Unfiltered)
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty) with Voltage Withstand Capability of 2000 V in 0.1 μs

Standard Features:

- IP54 or IP56 Protection
- Dual-Frequency 50/60 Hz on Nameplate (1 to 75 HP)
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Open Regreaseable Bearings 280 Frame & Larger
- Shaft/Slinger Bearing Protection 140 to 280 Frame
- Labyrinth Seal 320 Frame & Larger, Both Ends
- Protective Coating on All Internal Machined Surfaces
- 100% No-Load Commercial Test per IEEE 112 on All Motors
- On 440 Frame & Larger:
 - » Commercial Test & Vibration Test
 - » 100% of Bearings are Ball-Pass Frequency Tested

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQP III Series base price for these frame sizes.)**

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EQP Global 840
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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	52	3/46XSSB41A-P	1.4	80.0	1, 9	MTP840	\$610
0.75	1200	575	143T	52	3/46XSSC41A-P	1.1	81.9	1, 9	MTP840	\$610
1	1800	460	143T	51	0014XSSB41A-P	1.7	85.5	1, 9	MTP840	\$552
1	1800	575	143T	51	0014XSSC41A-P	1.3	85.5	1, 9	MTP840	\$552
1	1200	460	145T	56	0016XSSB41A-P	1.8	82.5	1, 9	MTP840	\$690
1	1200	575	145T	56	0016XSSC41A-P	1.5	82.5	1, 9	MTP840	\$690
1.5	3600	460	143T	50	Y152XSSB41A-P	2	84.0	1, 9	MTP840	\$616
1.5	3600	575	143T	50	Y152XSSC41A-P	1.6	84.0	1, 9	MTP840	\$616
1.5	1800	460	145T	53	Y154XSSB41A-P	2.4	86.5	1, 9	MTP840	\$615
1.5	1800	575	145T	53	Y154XSSC41A-P	1.9	86.5	1, 9	MTP840	\$615
1.5	1200	460	182T	79	Y156XSSB41A-P	2.5	87.5	1, 9	MTP840	\$735
1.5	1200	575	182T	79	Y156XSSC41A-P	2	87.5	1, 9	MTP840	\$735
2	3600	460	145T	53	0022XSSB41A-P	2.6	85.5	1, 9	MTP840	\$695
2	3600	575	145T	53	0022XSSC41A-P	2.1	85.5	1, 9	MTP840	\$695
2	1800	460	145T	56	0024XSSB41A-P	3	86.5	1, 9	MTP840	\$675
2	1800	575	145T	56	0024XSSC41A-P	2.4	86.5	1, 9	MTP840	\$675
2	1200	460	184T	93	0026XSSB41A-P	3.4	88.5	1, 9	MTP840	\$820
2	1200	575	184T	93	0026XSSC41A-P	2.7	88.5	1, 9	MTP840	\$820
3	3600	460	182T	77	0032XSSB41A-P	3.7	86.5	1, 9	MTP840	\$757
3	3600	575	182T	77	0032XSSC41A-P	3	86.5	1, 9	MTP840	\$757
3	1800	460	182T	86	0034XSSB41A-P	4	89.5	1, 9	MTP840	\$711
3	1800	575	182T	86	0034XSSC41A-P	3.2	89.5	1, 9	MTP840	\$711
3	1200	460	213T	147	0036XSSB41A-P	4.4	89.5	1, 9	MTP840	\$1,002
3	1200	575	213T	147	0036XSSC41A-P	3.5	89.5	1, 9	MTP840	\$1,002
5	3600	460	184T	91	0052XSSB41A-P	5.8	88.5	1, 9	MTP840	\$937
5	3600	575	184T	91	0052XSSC41A-P	4.6	88.5	1, 9	MTP840	\$937
5	1800	460	184T	97	0054XSSB41A-P	6.5	89.5	1, 9	MTP840	\$830
5	1800	575	184T	97	0054XSSC41A-P	5.2	89.5	1, 9	MTP840	\$830
5	1200	460	215T	165	0056XSSB41A-P	6.9	89.5	1, 9	MTP840	\$1,411
5	1200	575	215T	165	0056XSSC41A-P	5.5	89.5	1, 9	MTP840	\$1,411
7.5	3600	460	213T	155	Y752XSSB41A-P	9	89.5	1, 9	MTP840	\$1,212
7.5	3600	575	213T	155	Y752XSSC41A-P	7.2	89.5	1, 9	MTP840	\$1,212
7.5	1800	460	213T	171	Y754XSSB41A-P	9.8	91.7	1, 9	MTP840	\$1,206
7.5	1800	575	213T	171	Y754XSSC41A-P	7.8	91.7	1, 9	MTP840	\$1,206
7.5	1200	460	254T	252	Y756XSSB41A-P	10.2	91.0	1, 9	MTP840	\$2,018
7.5	1200	575	254T	252	Y756XSSC41A-P	8.2	91.0	1, 9	MTP840	\$2,018
10	3600	460	215T	172	0102XSSB41A-P	11.8	90.2	1, 9	MTP840	\$1,423
10	3600	575	215T	172	0102XSSC41A-P	9.4	90.2	1, 9	MTP840	\$1,423
10	1800	460	215T	186	0104XSSB41A-P	13	91.7	1, 9	MTP840	\$1,418
10	1800	575	215T	186	0104XSSC41A-P	10.4	91.7	1, 9	MTP840	\$1,418
10	1200	460	256T	274	0106XSSB41A-P	13.4	91.0	1, 9	MTP840	\$2,478
10	1200	575	256T	274	0106XSSC41A-P	10.8	91.0	1, 9	MTP840	\$2,478
15	3600	460	254T	274	0152XSSB41A-P	18	91.0	1, 9	MTP840	\$1,950
15	3600	575	254T	274	0152XSSC41A-P	14.4	91.0	1, 9	MTP840	\$1,950
15	1800	460	254T	289	0154XSSB41A-P	19	92.4	1, 9	MTP840	\$1,870
15	1800	575	254T	289	0154XSSC41A-P	15.2	92.4	1, 9	MTP840	\$1,870
15	1200	460	284T	364	0156XSSB41A-P	19.6	91.7	1, 9	MTP840	\$3,293

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15	1200	575	284T	364	0156XSSC41A-P	15.8	91.7	1, 9	MTP840	\$3,293
20	3600	460	256T	292	0202XSSB41A-P	24	91.0	1, 9	MTP840	\$2,357
20	3600	575	256T	292	0202XSSC41A-P	19.2	91.0	1, 9	MTP840	\$2,357
20	1800	460	256T	340	0204XSSB41A-P	25	93.0	1, 9	MTP840	\$2,329
20	1800	575	256T	340	0204XSSC41A-P	20	93.0	1, 9	MTP840	\$2,329
20	1200	460	286T	411	0206XSSB41A-P	25.4	91.7	1, 9	MTP840	\$3,876
20	1200	575	286T	411	0206XSSC41A-P	20.4	91.7	1, 9	MTP840	\$3,876
25	3600	460	284TS	406	0252XSSB41B-P	29	91.7	1, 9	MTP840	\$2,904
25	3600	575	284TS	406	0252XSSC41B-P	23.2	91.7	1, 9	MTP840	\$2,904
25	1800	460	284T	424	0254XSSB41A-P	30.5	93.6	1, 9	MTP840	\$2,818
25	1800	575	284T	424	0254XSSC41A-P	24.4	93.6	1, 9	MTP840	\$2,818
25	1200	460	324T	545	0256XSSB41A-P	31.2	93.0	1, 9	MTP840	\$4,700
25	1200	575	324T	545	0256XSSC41A-P	24.6	93.0	1, 9	MTP840	\$4,700
30	3600	460	286TS	439	0302XSSB41B-P	35	91.7	1, 9	MTP840	\$3,539
30	3600	575	286TS	439	0302XSSC41B-P	28	91.7	1, 9	MTP840	\$3,539
30	1800	460	286T	448	0304XSSB41A-P	36.4	93.6	1, 9	MTP840	\$3,292
30	1800	575	286T	448	0304XSSC41A-P	29.2	93.6	1, 9	MTP840	\$3,292
30	1200	460	326T	571	0306XSSB41A-P	37.2	93.0	1, 9	MTP840	\$5,412
30	1200	575	326T	571	0306XSSC41A-P	30	93.0	1, 9	MTP840	\$5,412
40	3600	460	324TS	589	0402XSSB41B-P	47	92.4	1, 9	MTP840	\$4,459
40	3600	575	324TS	589	0402XSSC41B-P	37.6	92.4	1, 9	MTP840	\$4,459
40	1800	460	324T	593	0404XSSB41A-P	48	94.1	1, 9	MTP840	\$4,284
40	1800	575	324T	593	0404XSSC41A-P	38.4	94.1	1, 9	MTP840	\$4,284
40	1200	460	364T	708	0406XSSB41A-P	48	94.1	1, 9	MTP840	\$7,335
40	1200	575	364T	708	0406XSSC41A-P	38.4	94.1	1, 9	MTP840	\$7,335
50	3600	460	326TS	624	0502XSSB41B-P	58	93.0	1, 9	MTP840	\$5,789
50	3600	575	326TS	624	0502XSSC41B-P	46.4	93.0	1, 9	MTP840	\$5,789
50	1800	460	326T	651	0504XSSB41A-P	60	94.5	1, 9	MTP840	\$4,978
50	1800	575	326T	651	0504XSSC41A-P	48	94.5	1, 9	MTP840	\$4,978
50	1200	460	365T	757	0506XSSB41A-P	60	94.1	1, 9	MTP840	\$8,421
50	1200	575	365T	757	0506XSSC41A-P	48	94.1	1, 9	MTP840	\$8,421
60	3600	460	364TS	763	0602XSSB41B-P	69.0	93.6	1, 9	MTP840	\$7,615
60	3600	575	364TS	763	0602XSSC41B-P	55.0	93.6	1, 9	MTP840	\$7,615
60	1800	460	364T	796	0604XSSB41A-P	69.0	95.0	1, 9	MTP840	\$7,550
60	1800	575	364T	796	0604XSSC41A-P	55.0	95.0	1, 9	MTP840	\$7,550
60	1200	460	404T	1300	B0606FLF3BSHD01	74.0	95.0		MXT40G	\$11,723
60	1200	575	404T	1300	B0606FLF3OSHD01	59.0	95.0		MXT40G	\$11,723
75	3600	460	365TS	814	0752XSSB41B-P	86	93.6	1, 9	MTP840	\$9,562
75	3600	575	365TS	814	0752XSSC41B-P	68.8	93.6	1, 9	MTP840	\$9,562
75	1800	460	365T	893	0754XSSB41A-P	86	95.4	1, 9	MTP840	\$9,060
75	1800	575	365T	893	0754XSSC41A-P	68.8	95.4	1, 9	MTP840	\$9,060
75	1200	460	405T	1495	B0756FLF3BSHD01	91	95.0		MXT40G	\$13,802
75	1200	575	405T	1456	B0756FLF3OSHD01	73	95.0		MXT40G	\$13,802
100	3600	460	405TS	1388	B1002FLG3BSHD01	114.0	95.0		MXT40G	\$15,223
100	3600	575	405TS	1388	B1002FLG3OSHD01	91.0	95.0		MXT40G	\$15,223
100	1800	460	405T	1426	B1004FLF3BSHD01	119.0	95.4		MXT40G	\$13,298
100	1800	575	405T	1426	B1004FLF3OSHD01	95.0	95.4		MXT40G	\$13,298

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100	1200	460	444T	2005	B1006FLF4BSHD01	123.0	95.4	2	MXT40G	\$18,864
100	1200	575	444T	2005	B1006FLF4OSHD01	99.0	95.4	2	MXT40G	\$18,864
125	3600	460	444TS	1972	B1253FLG3BSHD01	140	95.4	4	MXT40G	\$18,903
125	3600	460	444TS	1972	B1251FLG3BSHD01	140	95.4	5	MXT40G	\$18,903
125	3600	575	444TS	1972	B1253FLG3OSHD01	112	95.4	4	MXT40G	\$18,903
125	3600	575	444TS	1972	B1251FLG3OSHD01	112	95.4	5	MXT40G	\$18,903
125	1800	460	444T	1900	B1254FLF4BSHD01	145	95.8	2	MXT40G	\$17,567
125	1800	460	444T	1900	B1254FLF3BSHD	145	95.8	8	MXT40G	\$17,567
125	1800	575	444T	1900	B1254FLF4OSHD01	116	95.8	2	MXT40G	\$17,567
125	1800	575	444T	1900	B1254FLF3OSHD	145	95.8	8	MXT40G	\$17,567
125	1200	460	445T	2155	B1256FLF4BSHD01	156	95.4	2	MXT40G	\$22,013
125	1200	575	445T	2155	B1256FLF4OSHD01	125	95.4	2	MXT40G	\$22,013
150	3600	460	445TS	2150	A1503FLG3BSHD01	169.0	95.8	4, 6	MXT40G	\$22,709
150	3600	460	445TS	2150	A1501FLG3BSHD01	169.0	95.8	5, 6	MXT40G	\$22,709
150	3600	575	445TS	2150	A1503FLG3OSHD01	135.0	95.8	4, 6	MXT40G	\$22,709
150	3600	575	445TS	2150	A1501FLG3OSHD01	135.0	95.8	5, 6	MXT40G	\$22,709
150	1800	460	445T	2164	B1504FLF4BSHD01	177.0	95.8	2	MXT40G	\$20,422
150	1800	460	445T	2164	B1504FLF3BSHD	177.0	95.8	8	MXT40G	\$20,422
150	1800	575	445T	2164	B1504FLF4OSHD01	142.0	95.8	2	MXT40G	\$20,422
150	1800	575	445T	2164	B1504FLF3OSHD	142.0	95.8	8	MXT40G	\$20,422
150	1200	460	447T	2444	B1506FLF4BSHD01	182.0	95.8	2	MXT40G	\$24,628
150	1200	575	447T	2444	B1506FLF4OSHD01	146.0	95.8	2	MXT40G	\$24,628
200	3600	460	447TS	2445	B2003FLG3BSHD	225	96.2	4	MXT40G	\$28,727
200	3600	460	447TS	2445	B2001FLG3BSHD	225	96.2	5	MXT40G	\$28,727
200	3600	575	447TS	2445	B2003FLG3OSHD	180	96.2	4	MXT40G	\$28,727
200	3600	575	447TS	2445	B2001FLG3OSHD	180	96.2	5	MXT40G	\$28,727
200	1800	460	447T	2466	B2004FLF4BSHD01	233	96.2	2	MXT40G	\$24,840
200	1800	460	447T	2466	B2004FLF3BSHD	233	96.2	8	MXT40G	\$24,840
200	1800	575	447T	2466	B2004FLF4OSHD01	186	96.2	2	MXT40G	\$24,840
200	1800	575	447T	2466	B2004FLF3OSHD	186	96.2	8	MXT40G	\$24,840
200	1200	460	N449T	3920	B2006FLF4BSHDL	246	96.2	2	MXT40G	\$31,007
200	1200	460	505US	3000	B2006FLG3BSHD	235	95.8		MXT40G	\$32,445
200	1200	460	505UZ	3000	B2006FLF4BSHD	235	95.8	2	MXT40G	\$35,230
200	1200	575	N449T	3920	B2006FLF4OSHDL	189	96.2	2	MXT40G	\$31,007
200	1200	575	505US	3000	B2006FLG3OSHD	188	95.8		MXT40G	\$32,445
200	1200	575	505UZ	3000	B2006FLF4OSHD	188	95.8	2	MXT40G	\$35,230
250	3600	460	N449TS	4000	B2501FLG3BMHDL	273.0	95.4 *	5	MXT40G	\$36,865
250	3600	460	N449TS	4000	B2503FLG3BMHDL	273.0	95.4 *	4	MXT40G	\$36,865
250	3600	460	5010USS	4152	B2501FLG3BMHDL	275.0	95.8	5	MXT40G	\$38,404
250	3600	460	5010USS	4152	B2503FLG3BMHDL	275.0	95.8	4	MXT40G	\$38,404
250	3600	575	N449TS	4000	B2501FLG3OMHDL	218.0	95.4 *	5	MXT40G	\$36,865
250	3600	575	N449TS	4000	B2503FLG3OMHDL	218.0	95.4 *	4	MXT40G	\$36,865
250	3600	575	5010USS	4152	B2501FLG3OMHDL	220.0	95.8	5	MXT40G	\$38,404
250	3600	575	5010USS	4152	B2503FLG3OMHDL	220.0	95.8	4	MXT40G	\$38,404
250	1800	460	N449T	4010	B2504FLF4BMHDL	276.0	96.2	2	MXT40G	\$30,145
250	1800	460	N449T	4010	B2504FLF3BMHDL	276.0	96.2	8	MXT40G	\$30,145
250	1800	460	505US	3107	B2504FLG3BMHDL	290.0	95.8 *		MXT40G	\$32,094

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250	1800	460	505UZ	3205	B2504FLF4BMHD	290.0	95.8 *	2	MXT40G	\$35,143
250	1800	575	N449T	4010	B2504FLF4OMHDL	220.0	96.2	2	MXT40G	\$30,145
250	1800	575	505US	3107	B2504FLG3OMHD	232.0	95.8 *		MXT40G	\$32,094
250	1800	575	505UZ	3205	B2504FLF4OMHD	232.0	95.8 *	2	MXT40G	\$35,143
250	1200	460	N449T	4130	B2506FLF4BMHDL	295.0	96.2	2	MXT40G	\$37,630
250	1200	460	5010US	4393	B2506FLG3BMHD	305.0	95.8		MXT40G	\$39,611
250	1200	460	5010UZ	4393	B2506FLF4BMHD	305.0	95.8	2	MXT40G	\$42,660
250	1200	575	N449T	4130	B2506FLF4OMHDL	232.0	96.2	2	MXT40G	\$37,630
250	1200	575	5010US	4393	B2506FLG3OMHD	232.0	95.8		MXT40G	\$39,611
250	1200	575	5010UZ	4393	B2506FLF4OMHD	244.0	95.8	2	MXT40G	\$42,660
300	3600	460	N449TS	4015	B3003FLG3BMHDL	328	95.8	4	MXT40G	\$46,020
300	3600	460	N449TS	4015	B3001FLG3BMHDL	328	95.8	5	MXT40G	\$46,020
300	3600	460	5010USS	4154	B3003FLG8BMHD	325	95.8	4	MXT40G	\$47,580
300	3600	460	5010USS	4154	B3001FLG8BMHD	325	95.8	5	MXT40G	\$47,580
300	3600	575	N449TS	4015	B3003FLG3OMHDL	261	95.8	4	MXT40G	\$46,020
300	3600	575	N449TS	4015	B3001FLG3OMHDL	261	95.8	5	MXT40G	\$46,020
300	3600	575	5010USS	4154	B3003FLG8OMHD	260	95.8	4	MXT40G	\$47,580
300	3600	575	5010USS	4154	B3001FLG8OMHD	260	95.8	5	MXT40G	\$47,580
300	1800	460	N449T	4050	B3004FLF4BMHDL	330	96.2	2	MXT40G	\$35,143
300	1800	460	N449T	4050	B3004FLF3BMHDL	330	96.2	8	MXT40G	\$35,144
300	1800	460	5010US	4578	B3004FLG3BMHD	330	96.5		MXT40G	\$36,906
300	1800	460	5010UZ	4419	B3004FLF4BMHD	330	96.5	2	MXT40G	\$39,955
300	1800	575	N449T	4050	B3004FLF4OMHDL	264	96.2	2	MXT40G	\$35,143
300	1800	575	5010US	4578	B3004FLG3OMHD	264	96.5		MXT40G	\$36,906
300	1800	575	5010UZ	4419	B3004FLF4OMHD	264	96.5	2	MXT40G	\$39,955
300	1200	460	N449T	4130	B3006FLF4BMHDL	354	96.2	2	MXT40G	\$50,981
300	1200	460	5010US	4432	B3006FLG3BMHD	363	96.2		MXT40G	\$53,355
300	1200	460	5010UZ	4600	B3006FLF4BMHD	363	96.2	2	MXT40G	\$56,139
300	1200	575	N449T	4130	B3006FLF4OMHDL	283	96.2	2	MXT40G	\$50,981
300	1200	575	5010US	4432	B3006FLG3OMHD	290	96.2		MXT40G	\$53,355
300	1200	575	5010UZ	4600	B3006FLF4OMHD	290	96.2	2	MXT40G	\$56,139
350	3600	460	N449TS	4015	B3503FLG3BMHDL	382.0	95.8	4	MXT40G	\$50,904
350	3600	460	N449TS	4015	B3501FLG3BMHDL	382.0	95.8	5	MXT40G	\$50,904
350	3600	460	5010USS	4175	B3503FLG8BMHD	380.0	95.8	4	MXT40G	\$53,233
350	3600	575	N449TS	4015	B3503FLG3OMHDL	307.0	95.8	4	MXT40G	\$50,904
350	3600	575	N449TS	4015	B3501FLG3OMHDL	307.0	95.8	5	MXT40G	\$50,904
350	3600	575	5010USS	4175	B3503FLG8OMHD	304.0	95.8	4	MXT40G	\$53,233
350	1800	460	N449T	4050	B3504FLF4BMHDL	380.0	96.2	2	MXT40G	\$39,515
350	1800	460	N449T	4050	B3504FLF3BMHDL	380.0	96.2	8	MXT40G	\$39,515
350	1800	460	5010US	4321	B3504FLG3BMHD	388.0	96.2		MXT40G	\$41,489
350	1800	460	5010UZ	4321	B3504FLF4BMHD	388.0	96.2	2	MXT40G	\$44,538
350	1800	575	N449T	4050	B3504FLF4OMHDL	304.0	96.2	2	MXT40G	\$39,515
350	1800	575	5010US	4321	B3504FLG3OMHD	310.0	96.2		MXT40G	\$41,489
350	1800	575	5010UZ	4321	B3504FLF4OMHD	310.0	96.2	2	MXT40G	\$44,538
350	1200	460	N449T	4000	B3506FLF4BMHDL	414.0	96.2	2	MXT40G	\$53,528
350	1200	460	5010US	4935	B3506FLG3BMHD	416.0	95.0 *		MXT40G	\$56,030
350	1200	460	5010UZ	4935	B3506FLF4BMHD	416.0	95.0 *	2	MXT40G	\$58,815

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350	1200	575	N449T	4000	B3506FLF4OMHDL	328.0	96.2	2	MXT40G	\$53,528
350	1200	575	5010US	4935	B3506FLG3OMHD	333.0	95.0 *		MXT40G	\$56,030
350	1200	575	5010UZ	4935	B3506FLF4OMHD	333.0	95.0 *	2	MXT40G	\$58,815
400	3600	460	5010USS	4612	B4003FLG8BMHD	438	95.8	4	MXT40G	\$62,409
400	3600	460	5010USS	4612	B4001FLG8BMHD	438	95.8	5	MXT40G	\$62,409
400	3600	575	5010USS	4612	B4003FLG8OMHD	350	95.8	4	MXT40G	\$62,409
400	3600	575	5010USS	4612	B4001FLG8OMHD	350	95.8	5	MXT40G	\$62,409
400	1800	460	5010US	4217	B4004FLG3BMHD	450	96.2		MXT40G	\$57,115
400	1800	460	5010UZ	4217	B4004FLF4BMHD	450	96.2	2	MXT40G	\$59,899
400	1800	575	5010US	4217	B4004FLG3OMHD	365	96.2		MXT40G	\$57,115
400	1800	575	5010UZ	4217	B4004FLF4OMHD	365	96.2	2	MXT40G	\$59,899
400	1200	460	5010US	5131	F4006FLG3BMHD	481	95.0*		MXT40G	\$63,452
400	1200	460	5010UZ	5131	F4006FLF4BMHD	481	95.0*	2	MXT40G	\$66,236
400	1200	575	5010US	5131	F4006FLG3OMHD	385	95.0*		MXT40G	\$63,452
400	1200	575	5010UZ	5131	F4006FLF4OMHD	385	95.0*	2	MXT40G	\$66,236
450	3600	460	5010USS	4837	B4503FLG8BMHD	493.0	95.8	4	MXT40G	\$69,708
450	3600	460	5010USS	4837	B4501FLG8BMHD	493.0	95.8	5	MXT40G	\$69,708
450	3600	575	5010USS	4837	B4503FLG8OMHD	394.0	95.8	4	MXT40G	\$69,708
450	3600	575	5010USS	4837	B4501FLG8OMHD	394.0	95.8	5	MXT40G	\$69,708
450	1800	460	5010US	4817	B4504FLG3BMHD	514.0	95.4 *		MXT40G	\$57,983
450	1800	460	5010UZ	4817	B4504FLF4BMHD	514.0	95.4 *	2	MXT40G	\$60,767
450	1800	575	5010US	4817	B4504FLG3OMHD	411.0	95.4 *		MXT40G	\$57,983
450	1800	575	5010UZ	4817	B4504FLF4OMHD	411.0	95.4 *	2	MXT40G	\$60,767
450	1200	460	5810US		F4506FLG3BMHD				MXT40G	\$68,124
450	1200	460	5810UZ		F4506FLF4BMHD			2	MXT40G	\$71,325
450	1200	575	5810US		F4506FLG3OMHD				MXT40G	\$68,124
450	1200	575	5810UZ		F4506FLF4OMHD			2	MXT40G	\$71,325
500	3600	460	5010USS	4837	B5003FKG8BMHD	547	95.8	3, 4	MXT40G	\$76,995
500	3600	460	5010USS	4837	B5001FKG8BMHD	547	95.8	3, 5	MXT40G	\$76,995
500	3600	575	5010USS	4837	B5003FKG8OMHD	438	95.8	3, 4	MXT40G	\$76,995
500	3600	575	5010USS	4837	B5001FKG8OMHD	438	95.8	3, 5	MXT40G	\$76,995
500	1800	460	5010US	4955	B5004FLG3BMHD	575	95.8 *		MXT40G	\$63,972
500	1800	460	5010UZ	4955	B5004FLF4BMHD	575	95.8 *	2	MXT40G	\$66,756
500	1800	575	5010US	4955	B5004FLG3OMHD	460	95.8 *		MXT40G	\$63,972
500	1800	575	5010UZ	4955	B5004FLF4OMHD	460	95.8 *	2	MXT40G	\$66,756
500	1200	460	5810US		F5006FLG3BMHD				MXT40G	\$75,239
500	1200	460	5810UZ		F5006FLF4BMHD			2	MXT40G	\$78,440
500	1200	575	5810US		F5006FLG3OMHD				MXT40G	\$75,239
500	1200	575	5810UZ		F5006FLF4OMHD			2	MXT40G	\$78,440

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled EQP Global 841 NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation motor product line. The EQP Global 841 is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 841 specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQP III motor series, the EQP Global 841 features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 300 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
Volt (60 Hz):	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 449T
Construction:	All Cast Iron (Frame, End Brackets, Fan Cover, & Conduit Box)
Vibration (Unfiltered):	Typically 0.04 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty Voltage Withstand Capability of 2000 V in 0.1 μs)



Standard Features:

- IP56 Protection
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Open Regreaseable on All Frames
- Labyrinth Seal on All Frames, Both Ends
- Protective Coating on All Internal Machined Surfaces
- 100% No-Load Commercial Test & Vibration Test on All Motors
- On 440 Frame & Larger 100% of Bearings are Ball-Pass Frequency Tested
- Commercial Test Report with Vibration Data Supplied with All Motors

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQP III Series base price for these frame sizes.)**

Totally Enclosed Fan Cooled
EQP Global 841
NEMA Premium® Efficiency



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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	52	3/46XDSB41A-P	1.4	80.0	1	MTP841	\$829
0.75	1200	575	143T	52	3/46XDSC41A-P	1.1	81.9	1	MTP841	\$829
1	1800	460	143T	51	0014XDSB41A-P	1.7	85.5	1	MTP841	\$714
1	1800	575	143T	51	0014XDSC41A-P	1.3	85.5	1	MTP841	\$714
1	1200	460	145T	56	0016XDSB41A-P	1.8	82.5	1	MTP841	\$885
1	1200	575	145T	56	0016XDSC41A-P	1.5	82.5	1	MTP841	\$885
1.5	3600	460	143T	50	Y152XDSB41A-P	2	84.0	1	MTP841	\$764
1.5	3600	575	143T	50	Y152XDSC41A-P	1.6	84.0	1	MTP841	\$764
1.5	1800	460	145T	53	Y154XDSB41A-P	2.4	86.5	1	MTP841	\$793
1.5	1800	575	145T	53	Y154XDSC41A-P	1.9	86.5	1	MTP841	\$793
1.5	1200	460	182T	79	Y156XDSB41A-P	2.5	87.5	1	MTP841	\$1,092
1.5	1200	575	182T	79	Y156XDSC41A-P	2.0	87.5	1	MTP841	\$1,092
2	3600	460	145T	53	0022XDSB41A-P	2.6	85.5	1	MTP841	\$915
2	3600	575	145T	53	0022XDSC41A-P	2.1	85.5	1	MTP841	\$915
2	1800	460	145T	56	0024XDSB41A-P	3	86.5	1	MTP841	\$871
2	1800	575	145T	56	0024XDSC41A-P	2.4	86.5	1	MTP841	\$871
2	1200	460	184T	93	0026XDSB41A-P	3.4	88.5	1	MTP841	\$1,117
2	1200	575	184T	93	0026XDSC41A-P	2.7	88.5	1	MTP841	\$1,117
3	3600	460	182T	77	0032XDSB41A-P	3.7	86.5	1	MTP841	\$1,123
3	3600	575	182T	77	0032XDSC41A-P	3.0	86.5	1	MTP841	\$1,123
3	1800	460	182T	86	0034XDSB41A-P	4	89.5	1	MTP841	\$1,054
3	1800	575	182T	86	0034XDSC41A-P	3.2	89.5	1	MTP841	\$1,054
3	1200	460	213T	147	0036XDSB41A-P	4.4	89.5	1	MTP841	\$1,364
3	1200	575	213T	147	0036XDSC41A-P	3.5	89.5	1	MTP841	\$1,364
5	3600	460	184T	91	0052XDSB41A-P	5.8	88.5	1	MTP841	\$1,273
5	3600	575	184T	91	0052XDSC41A-P	4.6	88.5	1	MTP841	\$1,273
5	1800	460	184T	97	0054XDSB41A-P	6.5	89.5	1	MTP841	\$1,129
5	1800	575	184T	97	0054XDSC41A-P	5.2	89.5	1	MTP841	\$1,129
5	1200	460	215T	165	0056XDSB41A-P	6.9	89.5	1	MTP841	\$1,964
5	1200	575	215T	165	0056XDSC41A-P	5.5	89.5	1	MTP841	\$1,964
7.5	3600	460	213T	155	Y752XDSB41A-P	9	89.5	1	MTP841	\$1,543
7.5	3600	575	213T	155	Y752XDSC41A-P	7.2	89.5	1	MTP841	\$1,543
7.5	1800	460	213T	171	Y754XDSB41A-P	9.8	91.7	1	MTP841	\$1,532
7.5	1800	575	213T	171	Y754XDSC41A-P	7.8	91.7	1	MTP841	\$1,532
7.5	1200	460	254T	252	Y756XDSB41A-P	10.2	91.0	1	MTP841	\$2,553
7.5	1200	575	254T	252	Y756XDSC41A-P	8.2	91.0	1	MTP841	\$2,553
10	3600	460	215T	172	0102XDSB41A-P	11.8	90.2	1	MTP841	\$1,801
10	3600	575	215T	172	0102XDSC41A-P	9.4	90.2	1	MTP841	\$1,801
10	1800	460	215T	186	0104XDSB41A-P	13	91.7	1	MTP841	\$1,845
10	1800	575	215T	186	0104XDSC41A-P	10.4	91.7	1	MTP841	\$1,845
10	1200	460	256T	274	0106XDSB41A-P	13.4	91.0	1	MTP841	\$3,118
10	1200	575	256T	274	0106XDSC41A-P	10.8	91.0	1	MTP841	\$3,118
15	3600	460	254T	274	0152XDSB41A-P	18	91.0	1	MTP841	\$2,478
15	3600	575	254T	274	0152XDSC41A-P	14.4	91.0	1	MTP841	\$2,478
15	1800	460	254T	289	0154XDSB41A-P	19	92.4	1	MTP841	\$2,434
15	1800	575	254T	289	0154XDSC41A-P	15.2	92.4	1	MTP841	\$2,434
15	1200	460	284T	364	0156XDSB41A-P	19.6	91.7	1	MTP841	\$4,139
15	1200	575	284T	364	0156XDSC41A-P	15.8	91.7	1	MTP841	\$4,139

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
20	3600	460	256T	292	0202XDSC41A-P	24	91.0	1	MTP841	\$3,065
20	3600	575	256T	292	0202XDSC41A-P	19.2	91.0	1	MTP841	\$3,065
20	1800	460	256T	340	0204XDSC41A-P	25	93.0	1	MTP841	\$3,029
20	1800	575	256T	340	0204XDSC41A-P	20.0	93.0	1	MTP841	\$3,029
20	1200	460	286T	411	0206XDSC41A-P	25.4	91.7	1	MTP841	\$5,043
20	1200	575	286T	411	0206XDSC41A-P	20.4	91.7	1	MTP841	\$5,043
25	3600	460	284TS	406	0252XDSC41B-P	29	91.7	1	MTP841	\$3,779
25	3600	575	284TS	406	0252XDSC41B-P	23.2	91.7	1	MTP841	\$3,779
25	1800	460	284T	424	0254XDSC41A-P	30.5	93.6	1	MTP841	\$3,607
25	1800	575	284T	424	0254XDSC41A-P	24.4	93.6	1	MTP841	\$3,607
25	1200	460	324T	545	0256XDSC41A-P	31.2	93.0	1	MTP841	\$6,112
25	1200	575	324T	545	0256XDSC41A-P	24.6	93.0	1	MTP841	\$6,112
30	3600	460	286TS	439	0302XDSC41B-P	35	91.7	1	MTP841	\$4,410
30	3600	575	286TS	439	0302XDSC41B-P	28.0	91.7	1	MTP841	\$4,410
30	1800	460	286T	448	0304XDSC41A-P	36.4	93.6	1	MTP841	\$4,195
30	1800	575	286T	448	0304XDSC41A-P	29.2	93.6	1	MTP841	\$4,195
30	1200	460	326T	571	0306XDSC41A-P	37.2	93.0	1	MTP841	\$7,039
30	1200	575	326T	571	0306XDSC41A-P	30.0	93.0	1	MTP841	\$7,039
40	3600	460	324TS	589	0402XDSC41B-P	47	92.4	1	MTP841	\$5,800
40	3600	575	324TS	589	0402XDSC41B-P	37.6	92.4	1	MTP841	\$5,800
40	1800	460	324T	593	0404XDSC41A-P	48	94.1	1	MTP841	\$5,575
40	1800	575	324T	593	0404XDSC41A-P	38.4	94.1	1	MTP841	\$5,575
40	1200	460	364T	708	0406XDSC41A-P	48	94.1	1	MTP841	\$9,542
40	1200	575	364T	708	0406XDSC41A-P	38.4	94.1	1	MTP841	\$9,542
50	3600	460	326TS	624	0502XDSC41B-P	58	93.0	1	MTP841	\$7,531
50	3600	575	326TS	624	0502XDSC41B-P	46.4	93.0	1	MTP841	\$7,531
50	1800	460	326T	651	0504XDSC41A-P	60	94.5	1	MTP841	\$6,845
50	1800	575	326T	651	0504XDSC41A-P	48.0	94.5	1	MTP841	\$6,845
50	1200	460	365T	757	0506XDSC41A-P	60	94.1	1	MTP841	\$10,956
50	1200	575	365T	757	0506XDSC41A-P	48.0	94.1	1	MTP841	\$10,956
60	3600	460	364TS	763	0602XDSC41B-P	69	93.6	1	MTP841	\$8,912
60	3600	575	364TS	763	0602XDSC41B-P	55.0	93.6	1	MTP841	\$8,912
60	1800	460	364T	796	0604XDSC41A-P	69	95.0	1	MTP841	\$8,837
60	1800	575	364T	796	0604XDSC41A-P	55.0	95.0	1	MTP841	\$8,837
60	1200	460	404T	1300	B0606FLF3BSHJ01	74.0	95.0		MXT41G	\$13,722
60	1200	575	404T	1300	B0606FLF3OSHJ01	59.0	95.0		MXT41G	\$13,722
75	3600	460	365TS	814	0752XDSC41B-P	86	93.6	1	MTP841	\$11,196
75	3600	575	365TS	814	0752XDSC41B-P	68.8	93.6	1	MTP841	\$11,196
75	1800	460	365T	893	0754XDSC41A-P	86	95.4	1	MTP841	\$11,203
75	1800	575	365T	893	0754XDSC41A-P	68.8	95.4	1	MTP841	\$11,203
75	1200	460	405T	1456	B0756FLF3BSHJ01	91.0	95.0		MXT41G	\$17,010
75	1200	575	405T	1456	B0756FLF3OSHJ01	73.0	95.0		MXT41G	\$17,010
100	3600	460	405TS	1388	B1002FLG3BSHJ	114.0	95.0		MXT41G	\$17,821
100	3600	575	405TS	1388	B1002FLG3OSHJ	91.0	95.0		MXT41G	\$17,821
100	1800	460	405T	1426	B1004FLF3BSHJ01	119.0	95.4		MXT41G	\$16,680
100	1800	575	405T	1426	B1004FLF3OSHJ01	95.0	95.4		MXT41G	\$16,680
100	1200	460	444T	2005	B1006FLF4BSHJ01	123.0	95.4	2	MXT41G	\$22,087
100	1200	575	444T	2005	B1006FLF4OSHJ01	99.0	95.4	2	MXT41G	\$22,087

Totally Enclosed Fan Cooled EQP Global 841 NEMA Premium® Efficiency



LV General Purpose CT

LV General Purpose XT



LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
125	3600	460	444TS	1972	B1253FLG3BSHJ	140.0	95.4	4	MXT41G	\$23,063
125	3600	460	444TS	1972	B1251FLG3BSHJ	140.0	95.4	5	MXT41G	\$23,063
125	3600	575	444TS	1972	B1253FLG3OSHJ	112.0	95.4	4	MXT41G	\$23,063
125	3600	575	444TS	1972	B1251FLG3OSHJ	112.0	95.4	5	MXT41G	\$23,063
125	1800	460	444T	1895	B1254FLF4BSHJ01	145.0	95.8	2	MXT41G	\$21,434
125	1800	460	444T	1896	B1254FLF3BSHJ	145.0	95.8	8	MXT41G	\$21,434
125	1800	460	444T	1896	B1254FLF3OSHJ	116.0	95.8	8	MXT41G	\$21,434
125	1800	575	444T	1895	B1254FLF4OSHJ01	116.0	95.8	2	MXT41G	\$21,434
125	1200	460	445T	2155	B1256FLF4BSHJ01	156.0	95.4	2	MXT41G	\$26,862
125	1200	575	445T	2155	B1256FLF4OSHJ01	125.0	95.4	2	MXT41G	\$26,862
150	3600	460	445TS	2150	A1503FLG3BSHJ	169.0	95.8	4, 6	MXT41G	\$27,710
150	3600	460	445TS	2150	A1501FLG3BSHJ	169.0	95.8	5, 6	MXT41G	\$27,710
150	3600	575	445TS	2150	A1503FLG3OSHJ	135.0	95.8	4, 6	MXT41G	\$27,710
150	3600	575	445TS	2150	A1501FLG3OSHJ	135.0	95.8	5, 6	MXT41G	\$27,710
150	1800	460	445T	2164	B1504FLF4BSHJ01	177.0	95.8	2	MXT41G	\$24,918
150	1800	460	445T	2164	B1504FLF3BSHJ	177.0	95.8	8	MXT41G	\$24,918
150	1800	575	445T	2164	B1504FLF4OSHJ01	142.0	95.8	2	MXT41G	\$24,918
150	1800	575	445T	2164	B1504FLF3OSHJ	142.0	95.8	8	MXT41G	\$24,918
150	1200	460	447T	2444	B1506FLF4BSHJ01	182.0	95.8	2	MXT41G	\$30,054
150	1200	575	447T	2444	B1506FLF4OSHJ01	146.0	95.8	2	MXT41G	\$30,054
200	3600	460	447TS	2445	B2003FLG3BSHJ	225.0	95.8	4	MXT41G	\$35,052
200	3600	460	447TS	2445	B2001FLG3BSHJ	225.0	95.8	5	MXT41G	\$35,052
200	3600	575	447TS	2445	B2003FLG3OSHJ	180.0	95.8	4	MXT41G	\$35,052
200	3600	575	447TS	2445	B2001FLG3OSHJ	180.0	95.8	5	MXT41G	\$35,052
200	1800	460	447T	2466	B2004FLF4BSHJ01	233.0	96.2	2	MXT41G	\$30,312
200	1800	460	447T	2466	B2004FLF3BSHJ01	233.0	96.2	8	MXT41G	\$30,312
200	1800	575	447T	2466	B2004FLF4OSHJ01	186.0	96.2	2	MXT41G	\$30,312
200	1800	575	447T	2466	B2004FLF3OSHJ	186.0	96.2	8	MXT41G	\$30,312
200	1200	460	N449T		B2006FLF4BSHJL	246.0	95.8	2	MXT41G	\$36,822
200	1200	575	N449T		B2006FLF4OSHJL	195.0	95.8	2	MXT41G	\$36,822
250	3600	460	N449TS		B2503FLG3BSHJL	270.0	95.8	4	MXT41G	\$40,168
250	3600	575	N449TS		B2503FLG3OSHJL	216.0	95.8	4	MXT41G	\$40,168
250	1800	460	N449T		B2504FLF4BSHJL	272.0	96.2	2	MXT41G	\$33,112
250	1800	460	N449T		B2504FLF3BSHJL	272.0	96.2	8	MXT41G	\$33,112
250	1800	575	N449T		B2504FLF4OSHJL	217.0	96.2	2	MXT41G	\$33,112
250	1200	460	N449T		B2506FLF4BSHJL	305.0	95.8	2	MXT41G	\$40,972
250	1200	575	N449T		B2506FLF4OSHJL	240.0	95.8	2	MXT41G	\$40,972
300	3600	460	N449TS		B3003FLG3BSHJL	324.0	96.2	4	MXT41G	\$49,783
300	3600	575	N449TS		B3003FLG3OSHJL	259.0	96.2	4	MXT41G	\$49,783
300	1800	460	N449T		B3004FLF4BSHJL	326.0	96.2	2	MXT41G	\$38,361
300	1800	460	N449T		B3004FLF3BSHJL	326.0	96.2	8	MXT41G	\$38,361
300	1800	575	N449T		B3004FLF4OSHJL	261.0	96.2	2	MXT41G	\$38,361
300	1200	460	N449T		B3006FLF4BSHJL	368.0	95.8	2	MXT41G	\$54,990
300	1200	575	N449T		B3006FLF4OSHJL	292.0	95.8	2	MXT41G	\$54,990

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

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**Totally Enclosed
 Fan Cooled
 EQP Global SD
 C-Face Footed
 NEMA Premium®
 Efficiency**



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global SD C-Face motor series is Toshiba's next-generation motor product line. The EQP Global SD C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global SD C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQPIII motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

- Horsepower: 3/4 to 75 HP
- Speed: 3600, 1800, or 1200 RPM
- Voltage: 230/460 or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143TC to 365TC
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.08 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQPIII Series base price for these frame sizes.)**

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	52	3/46SDSR42A-P	2.8 / 1.4	80.0	1, 9, 16	MTPFCP	\$685
0.75	1200	575	143TC	52	3/46SDSC42A-P	1.1	81.9	1, 9, 16	MTPFCP	\$686
1	1800	230/460	143TC	51	0014SDSR42A-P	3.4 / 1.7	85.5	1, 9, 16	MTPFCP	\$598
1	1800	575	143TC	51	0014SDSC42A-P	1.3	85.5	1, 9, 16	MTPFCP	\$598
1	1200	230/460	145TC	56	0016SDSR42A-P	3.6 / 1.8	82.5	1, 9, 16	MTPFCP	\$716
1	1200	575	145TC	56	0016SDSC42A-P	1.5	82.5	1, 9, 16	MTPFCP	\$716
1.5	3600	230/460	143TC	50	Y152SDSR42A-P	4.0 / 2.0	84.0	1, 9, 16	MTPFCP	\$641
1.5	3600	575	143TC	50	Y152SDSC42A-P	1.6	84.0	1, 9, 16	MTPFCP	\$641
1.5	1800	230/460	145TC	53	Y154SDSR42A-P	4.8 / 2.4	86.5	1, 9, 16	MTPFCP	\$646
1.5	1800	575	145TC	53	Y154SDSC42A-P	1.9	86.5	1, 9, 16	MTPFCP	\$646
1.5	1200	230/460	182TC	79	Y156SDSR42A-P	5.0 / 2.5	87.5	1, 9, 16	MTPFCP	\$779
1.5	1200	575	182TC	79	Y156SDSC42A-P	2	87.5	1, 9, 16	MTPFCP	\$779
2	3600	230/460	145TC	53	0022SDSR42A-P	5.2 / 2.6	85.5	1, 9, 16	MTPFCP	\$754
2	3600	575	145TC	53	0022SDSC42A-P	2.1	85.5	1, 9, 16	MTPFCP	\$754
2	1800	230/460	145TC	56	0024SDSR42A-P	6.0 / 3.0	86.5	1, 9, 16	MTPFCP	\$693
2	1800	575	145TC	56	0024SDSC42A-P	2.4	86.5	1, 9, 16	MTPFCP	\$693
2	1200	230/460	184TC	93	0026SDSR42A-P	6.8 / 3.4	88.5	1, 9, 16	MTPFCP	\$882
2	1200	575	184TC	93	0026SDSC42A-P	2.7	88.5	1, 9, 16	MTPFCP	\$882

Totally Enclosed Fan Cooled EQP Global SD C-Face Footed NEMA Premium® Efficiency



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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	182TC	77	0032SDSR42A-P	7.4 / 3.7	86.5	1, 9, 16	MTPFCP	\$813
3	3600	575	182TC	77	0032SDSC42A-P	3	86.5	1, 9, 16	MTPFCP	\$813
3	1800	230/460	182TC	86	0034SDSR42A-P	8.0 / 4.0	89.5	1, 9, 16	MTPFCP	\$801
3	1800	575	182TC	86	0034SDSC42A-P	3.2	89.5	1, 9, 16	MTPFCP	\$801
3	1200	230/460	213TC	142	0036SDSR42A-P	8.8 / 4.4	89.5	1, 9, 16	MTPFCP	\$1,129
3	1200	575	213TC	142	0036SDSC42A-P	3.5	89.5	1, 9, 16	MTPFCP	\$1,129
5	3600	230/460	184TC	91	0052SDSR42A-P	11.6 / 5.8	88.5	1, 9, 16	MTPFCP	\$976
5	3600	575	184TC	91	0052SDSC42A-P	4.6	88.5	1, 9, 16	MTPFCP	\$976
5	1800	230/460	184TC	97	0054SDSR42A-P	13.0 / 6.5	89.5	1, 9, 16	MTPFCP	\$896
5	1800	575	184TC	97	0054SDSC42A-P	5.2	89.5	1, 9, 16	MTPFCP	\$896
5	1200	230/460	215TC	165	0056SDSR42A-P	13.8 / 6.9	89.5	1, 9, 16	MTPFCP	\$1,578
5	1200	575	215TC	165	0056SDSC42A-P	5.5	89.5	1, 9, 16	MTPFCP	\$1,578
7.5	3600	230/460	213TC	155	Y752SDSR42A-P	18.0 / 9.0	89.5	1, 9, 16	MTPFCP	\$1,214
7.5	3600	575	213TC	155	Y752SDSC42A-P	7.2	89.5	1, 9, 16	MTPFCP	\$1,214
7.5	1800	230/460	213TC	171	Y754SDSR42A-P	19.6 / 9.8	91.7	1, 9, 16	MTPFCP	\$1,214
7.5	1800	575	213TC	171	Y754SDSC42A-P	7.8	91.7	1, 9, 16	MTPFCP	\$1,214
7.5	1200	230/460	254TC	252	Y756SDSR42A-P	20.4 / 10.2	91.0	1, 9, 16	MTPFCP	\$2,031
7.5	1200	575	254TC	252	Y756SDSC42A-P	8.2	91.0	1, 9, 16	MTPFCP	\$2,031
10	3600	230/460	215TC	172	0102SDSR42A-P	23.6 / 11.8	90.2	1, 9, 16	MTPFCP	\$1,421
10	3600	575	215TC	172	0102SDSC42A-P	9.4	90.2	1, 9, 16	MTPFCP	\$1,421
10	1800	230/460	215TC	186	0104SDSR42A-P	26.0 / 13.0	91.7	1, 9, 16	MTPFCP	\$1,439
10	1800	575	215TC	186	0104SDSC42A-P	10.4	91.7	1, 9, 16	MTPFCP	\$1,439
10	1200	230/460	256TC	274	0106SDSR42A-P	26.8 / 13.4	91.0	1, 9, 16	MTPFCP	\$2,423
10	1200	575	256TC	274	0106SDSC42A-P	10.8	91.0	1, 9, 16	MTPFCP	\$2,423
15	3600	230/460	254TC	274	0152SDSR42A-P	36.0 / 18.0	91.0	1, 9, 16	MTPFCP	\$1,977
15	3600	575	254TC	274	0152SDSC42A-P	14.4	91.0	1, 9, 16	MTPFCP	\$1,977
15	1800	230/460	254TC	289	0154SDSR42A-P	38.0 / 19.0	92.4	1, 9, 16	MTPFCP	\$1,969
15	1800	575	254TC	289	0154SDSC42A-P	15.2	92.4	1, 9, 16	MTPFCP	\$1,969
15	1200	230/460	284TC	364	0156SDSR42A-P	39.2 / 19.6	91.7	1, 9	MTPFCP	\$3,467
15	1200	575	284TC	364	0156SDSC42A-P	15.8	91.7	1, 9	MTPFCP	\$3,467
20	3600	230/460	256TC	292	0202SDSR42A-P	48.0 / 24.0	91.0	1, 9, 16	MTPFCP	\$2,483
20	3600	575	256TC	292	0202SDSC42A-P	19.2	91.0	1, 9, 16	MTPFCP	\$2,483
20	1800	230/460	256TC	340	0204SDSR42A-P	50.0 / 25.0	93.0	1, 9, 16	MTPFCP	\$2,370
20	1800	575	256TC	340	0204SDSC42A-P	20	93.0	1, 9, 16	MTPFCP	\$2,370
20	1200	230/460	286TC	411	0206SDSR42A-P	50.8 / 25.4	91.7	1, 9	MTPFCP	\$3,986
20	1200	575	286TC	411	0206SDSC42A-P	20.4	91.7	1, 9	MTPFCP	\$3,986
25	3600	230/460	284TSC	406	0252SDSR42B-P	58.0 / 29.0	91.7	1, 9	MTPFCP	\$3,163
25	3600	575	284TSC	406	0252SDSC42B-P	23.2	91.7	1, 9	MTPFCP	\$3,163
25	1800	230/460	284TC	424	0254SDSR42A-P	61.0 / 30.5	93.6	1, 9	MTPFCP	\$2,994
25	1800	575	284TC	424	0254SDSC42A-P	24.4	93.6	1, 9	MTPFCP	\$2,994
25	1200	230/460	324TC	545	0256SDSR42A-P	62.4 / 31.2	93.0	1, 9	MTPFCP	\$4,798
25	1200	575	324TC	545	0256SDSC42A-P	24.6	93.0	1, 9	MTPFCP	\$4,798
30	3600	230/460	286TSC	439	0302SDSR42B-P	70.0 / 35.0	91.7	1, 9	MTPFCP	\$3,569
30	3600	575	286TSC	439	0302SDSC42B-P	28	91.7	1, 9	MTPFCP	\$3,569
30	1800	230/460	286TC	448	0304SDSR42A-P	72.8 / 36.4	93.6	1, 9	MTPFCP	\$3,511
30	1800	575	286TC	448	0304SDSC42A-P	29.2	93.6	1, 9	MTPFCP	\$3,511
30	1200	230/460	326TC	571	0306SDSR42A-P	74.4 / 37.2	93.0	1, 9	MTPFCP	\$5,749

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Totally Enclosed Fan Cooled EQP Global SD C-Face Footed NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	1200	575	326TC	571	0306SDSC42A-P	30	93.0	1, 9	MTPFCP	\$5,749
40	3600	230/460	324TSC	589	0402SDSR42B-P	94.0 / 42.0	92.4	1, 9	MTPFCP	\$4,435
40	3600	575	324TSC	589	0402SDSC42B-P	37.6	92.4	1, 9	MTPFCP	\$4,435
40	1800	230/460	324TC	593	0404SDSR42A-P	96.0 / 48.0	94.1	1, 9	MTPFCP	\$4,465
40	1800	575	324TC	593	0404SDSC42A-P	38.4	94.1	1, 9	MTPFCP	\$4,465
40	1200	230/460	364TC	708	0406SDSR42A-P	96.0 / 48.0	94.1	1, 9	MTPFCP	\$7,698
40	1200	575	364TC	708	0406SDSC42A-P	38.4	94.1	1, 9	MTPFCP	\$7,698
50	3600	230/460	326TSC	624	0502SDSR42B-P	116.0 / 58.0	93.0	1, 9	MTPFCP	\$5,959
50	3600	575	326TSC	624	0502SDSC42B-P	46.4	93.0	1, 9	MTPFCP	\$5,959
50	1800	230/460	326TC	651	0504SDSR42A-P	120.0 / 60.0	94.5	1, 9	MTPFCP	\$5,337
50	1800	575	326TC	651	0504SDSC42A-P	48	94.5	1, 9	MTPFCP	\$5,337
50	1200	230/460	365TC	757	0506SDSR42A-P	120.0 / 60.0	94.1	1, 9	MTPFCP	\$8,849
50	1200	575	365TC	757	0506SDSC42A-P	48	94.1	1, 9	MTPFCP	\$8,849
60	3600	230/460	364TSC	763	0602SDSR42B-P	138.0 / 69.0	93.6	1, 9	MTPFCP	\$7,557
60	3600	575	364TSC	763	0602SDSC42B-P	55.0	93.6	1, 9	MTPFCP	\$7,557
60	1800	230/460	364TC	796	0604SDSR42A-P	138.0 / 69.0	95.0	1, 9	MTPFCP	\$7,648
60	1800	575	364TC	796	0604SDSC42A-P	55.0	95.0	1, 9	MTPFCP	\$7,648
75	3600	230/460	365TSC	814	0752SDSR42B-P	172.0 / 86.0	93.6	1, 9	MTPFCP	\$9,304
75	3600	575	365TSC	814	0752SDSC42B-P	68.8	93.6	1, 9	MTPFCP	\$9,304
75	1800	230/460	365TC	893	0754SDSR42A-P	172.0 / 86.0	95.4	1, 9	MTPFCP	\$9,616
75	1800	575	365TC	893	0754SDSC42A-P	68.8	95.4	1, 9	MTPFCP	\$9,616

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimensioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled EQP Global 840 C-Face Footed NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global 840 C-Face motor series is Toshiba's next-generation motor product line. The EQP Global SD C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 840 C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQPIII motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Volt:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

*Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQPIII Series base price for these frame sizes.)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143TC	52	3/46XSSB42A-P	1.4	80.0	1, 9	MTP840	\$719
0.75	1200	575	143TC	52	3/46XSSC42A-P	1.1	81.9	1, 9	MTP840	\$719
1	1800	460	143TC	51	0014XSSB42A-P	1.7	85.5	1, 9	MTP840	\$661
1	1800	575	143TC	51	0014XSSC42A-P	1.3	85.5	1, 9	MTP840	\$661
1	1200	460	145TC	56	0016XSSB42A-P	1.8	82.5	1, 9	MTP840	\$799
1	1200	575	145TC	56	0016XSSC42A-P	1.5	82.5	1, 9	MTP840	\$799
1.5	3600	460	143TC	50	Y152XSSB42A-P	2	84.0	1, 9	MTP840	\$725
1.5	3600	575	143TC	50	Y152XSSC42A-P	1.6	84.0	1, 9	MTP840	\$725
1.5	1800	460	145TC	53	Y154XSSB42A-P	2.4	86.5	1, 9	MTP840	\$724
1.5	1800	575	145TC	53	Y154XSSC42A-P	1.9	86.5	1, 9	MTP840	\$724
1.5	1200	460	182TC	79	Y156XSSB42A-P	2.5	87.5	1, 9	MTP840	\$866
1.5	1200	575	182TC	79	Y156XSSC42A-P	2	87.5	1, 9	MTP840	\$866
2	3600	460	145TC	53	0022XSSB42A-P	2.6	85.5	1, 9	MTP840	\$804
2	3600	575	145TC	53	0022XSSC42A-P	2.1	85.5	1, 9	MTP840	\$804
2	1800	460	145TC	56	0024XSSB42A-P	3	86.5	1, 9	MTP840	\$784
2	1800	575	145TC	56	0024XSSC42A-P	2.4	86.5	1, 9	MTP840	\$784
2	1200	460	184TC	93	0026XSSB42A-P	3.4	88.5	1, 9	MTP840	\$951
2	1200	575	184TC	93	0026XSSC42A-P	2.7	88.5	1, 9	MTP840	\$951
3	3600	460	182TC	77	0032XSSB42A-P	3.7	86.5	1, 9	MTP840	\$888
3	3600	575	182TC	77	0032XSSC42A-P	3	86.5	1, 9	MTP840	\$888
3	1800	460	182TC	86	0034XSSB42A-P	4	89.5	1, 9	MTP840	\$842
3	1800	575	182TC	86	0034XSSC42A-P	3.2	89.5	1, 9	MTP840	\$842

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**Totally Enclosed Fan Cooled
EQP Global 840 C-Face Footed
NEMA Premium® Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1200	460	213TC	142	0036XSSB42A-P	4.4	89.5	1, 9	MTP840	\$1,177
3	1200	575	213TC	142	0036XSSC42A-P	3.5	89.5	1, 9	MTP840	\$1,177
5	3600	460	184TC	91	0052XSSB42A-P	5.8	88.5	1, 9	MTP840	\$1,068
5	3600	575	184TC	91	0052XSSC42A-P	4.6	88.5	1, 9	MTP840	\$1,068
5	1800	460	184TC	97	0054XSSB42A-P	6.5	89.5	1, 9	MTP840	\$961
5	1800	575	184TC	97	0054XSSC42A-P	5.2	89.5	1, 9	MTP840	\$961
5	1200	460	215TC	165	0056XSSB42A-P	6.9	89.5	1, 9	MTP840	\$1,586
5	1200	575	215TC	165	0056XSSC42A-P	5.5	89.5	1, 9	MTP840	\$1,586
7.5	3600	460	213TC	155	Y752XSSB42A-P	9	89.5	1, 9	MTP840	\$1,387
7.5	3600	575	213TC	155	Y752XSSC42A-P	7.2	89.5	1, 9	MTP840	\$1,387
7.5	1800	460	213TC	171	Y754XSSB42A-P	9.8	91.7	1, 9	MTP840	\$1,381
7.5	1800	575	213TC	171	Y754XSSC42A-P	7.8	91.7	1, 9	MTP840	\$1,381
7.5	1200	460	254TC	252	Y756XSSB42A-P	10.2	91.0	1, 9	MTP840	\$2,281
7.5	1200	575	254TC	252	Y756XSSC42A-P	8.2	91.0	1, 9	MTP840	\$2,281
10	3600	460	215TC	172	0102XSSB42A-P	11.8	90.2	1, 9	MTP840	\$1,598
10	3600	575	215TC	172	0102XSSC42A-P	9.4	90.2	1, 9	MTP840	\$1,598
10	1800	460	215TC	186	0104XSSB42A-P	13	91.7	1, 9	MTP840	\$1,593
10	1800	575	215TC	186	0104XSSC42A-P	10.4	91.7	1, 9	MTP840	\$1,593
10	1200	460	256TC	274	0106XSSB42A-P	13.4	91.0	1, 9	MTP840	\$2,741
10	1200	575	256TC	274	0106XSSC42A-P	10.8	91.0	1, 9	MTP840	\$2,741
15	3600	460	254TC	274	0152XSSB42A-P	18	91.0	1, 9	MTP840	\$2,213
15	3600	575	254TC	274	0152XSSC42A-P	14.4	91.0	1, 9	MTP840	\$2,213
15	1800	460	254TC	289	0154XSSB42A-P	19	92.4	1, 9	MTP840	\$2,133
15	1800	575	254TC	289	0154XSSC42A-P	15.2	92.4	1, 9	MTP840	\$2,133
15	1200	460	284TC	364	0156XSSB42A-P	19.6	91.7	1, 9	MTP840	\$3,731
15	1200	575	284TC	364	0156XSSC42A-P	15.8	91.7	1, 9	MTP840	\$3,731
20	3600	460	256TC	292	0202XSSB42A-P	24	91.0	1, 9	MTP840	\$2,620
20	3600	575	256TC	292	0202XSSC42A-P	19.2	91.0	1, 9	MTP840	\$2,620
20	1800	460	256TC	340	0204XSSB42A-P	25	93.0	1, 9	MTP840	\$2,592
20	1800	575	256TC	340	0204XSSC42A-P	20	93.0	1, 9	MTP840	\$2,592
20	1200	460	286TC	411	0206XSSB42A-P	25.4	91.7	1, 9	MTP840	\$4,314
20	1200	575	286TC	411	0206XSSC42A-P	20.4	91.7	1, 9	MTP840	\$4,314
25	3600	460	284TSC	406	0252XSSB42B-P	29	91.7	1, 9	MTP840	\$3,342
25	3600	575	284TSC	406	0252XSSC42B-P	23.2	91.7	1, 9	MTP840	\$3,342
25	1800	460	284TC	424	0254XSSB42A-P	30.5	93.6	1, 9	MTP840	\$3,256
25	1800	575	284TC	424	0254XSSC42A-P	24.4	93.6	1, 9	MTP840	\$3,256
25	1200	460	324TC	545	0256XSSB42A-P	31.2	93.0	1, 9	MTP840	\$5,192
25	1200	575	324TC	545	0256XSSC42A-P	24.6	93.0	1, 9	MTP840	\$5,192
30	3600	460	286TSC	439	0302XSSB42B-P	35	91.7	1, 9	MTP840	\$3,977
30	3600	575	286TSC	439	0302XSSC42B-P	28	91.7	1, 9	MTP840	\$3,977
30	1800	460	286TC	448	0304XSSB42A-P	36.4	93.6	1, 9	MTP840	\$3,730
30	1800	575	286TC	448	0304XSSC42A-P	29.2	93.6	1, 9	MTP840	\$3,730
30	1200	460	326TC	571	0306XSSB42A-P	37.2	93.0	1, 9	MTP840	\$5,904
30	1200	575	326TC	571	0306XSSC42A-P	30	93.0	1, 9	MTP840	\$5,904
40	3600	460	324TSC	589	0402XSSB42B-P	42	92.4	1, 9	MTP840	\$4,951
40	3600	575	324TSC	589	0402XSSC42B-P	37.6	92.4	1, 9	MTP840	\$4,951
40	1800	460	324TC	593	0404XSSB42A-P	48	94.1	1, 9	MTP840	\$4,776

Totally Enclosed Fan Cooled EQP Global 840 C-Face Footed NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
40	1800	575	324TC	593	0404XSSC42A-P	38.4	94.1	1, 9	MTP840	\$4,776
40	1200	460	364TC	708	0406XSSB42A-P	48	94.1	1, 9	MTP840	\$8,155
40	1200	575	364TC	708	0406XSSC42A-P	38.4	94.1	1, 9	MTP840	\$8,155
50	3600	460	326TSC	624	0502XSSB42B-P	58	93.0	1, 9	MTP840	\$6,281
50	3600	575	326TSC	624	0502XSSC42B-P	46.4	93.0	1, 9	MTP840	\$6,281
50	1800	460	326TC	651	0504XSSB42A-P	60	94.5	1, 9	MTP840	\$5,420
50	1800	575	326TC	651	0504XSSC42A-P	48	94.5	1, 9	MTP840	\$5,420
50	1200	460	365TC	757	0506XSSB42A-P	60	94.1	1, 9	MTP840	\$9,241
50	1200	575	365TC	757	0506XSSC42A-P	48	94.1	1, 9	MTP840	\$9,241
60	3600	460	364TSC	763	0602XSSB42B-P	69.0	93.6	1, 9	MTP840	\$8,435
60	3600	575	364TSC	763	0602XSSC42B-P	55.0	93.6	1, 9	MTP840	\$8,435
60	1800	460	364TC	796	0604XSSB42A-P	69.0	95.0	1, 9	MTP840	\$8,370
60	1800	575	364TC	796	0604XSSC42A-P	55.0	95.0	1, 9	MTP840	\$8,370
75	3600	460	365TSC	814	0752XSSB42B-P	86	93.6	1, 9	MTP840	\$10,382
75	3600	575	365TSC	814	0752XSSC42B-P	68.8	93.6	1, 9	MTP840	\$10,382
75	1800	460	365TC	893	0754XSSB42A-P	86	95.4	1, 9	MTP840	\$9,880
75	1800	575	365TC	893	0754XSSC42A-P	68.8	95.4	1, 9	MTP840	\$9,880

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimensioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

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LV General Purpose CT

LV General Purpose XT



LV Definite Purpose CT

LV Definite Purpose XT

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Totally Enclosed Fan Cooled EQP Global 841 C-Face Footed NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global 841 C-Face Footed motor series is Toshiba's next-generation motor product line. The EQP Global 841 C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 841 C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQP III motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

- Horsepower: 3/4 to 75 HP
- Speed: 3600, 1800, or 1200 RPM
- Volt: 460 or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143TC through 365TC
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.06 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQP III Series base price for these frame sizes.)**

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143TC	52	3/46XDSB42A-P	1.4	80.0	1	MTP841	\$938
0.75	1200	575	143TC	52	3/46XDSC42A-P	1.1	81.9	1	MTP841	\$938
1	1800	460	143TC	51	0014XDSB42A-P	1.7	85.5	1	MTP841	\$823
1	1800	575	143TC	51	0014XDSC42A-P	1.3	85.5	1	MTP841	\$823
1	1200	460	145TC	56	0016XDSB42A-P	1.8	82.5	1	MTP841	\$994
1	1200	575	145TC	56	0016XDSC42A-P	1.5	82.5	1	MTP841	\$994
1.5	3600	460	143TC	50	Y152XDSB42A-P	2	84.0	1	MTP841	\$873
1.5	3600	575	143TC	50	Y152XDSC42A-P	1.6	84.0	1	MTP841	\$873
1.5	1800	460	145TC	53	Y154XDSB42A-P	2.4	86.5	1	MTP841	\$902
1.5	1800	575	145TC	53	Y154XDSC42A-P	1.9	86.5	1	MTP841	\$902
1.5	1200	460	182TC	79	Y156XDSB42A-P	2.5	87.5	1	MTP841	\$1,223
1.5	1200	575	182TC	79	Y156XDSC42A-P	2.0	87.5	1	MTP841	\$1,223
2	3600	460	145TC	53	0022XDSB42A-P	2.6	85.5	1	MTP841	\$1,024
2	3600	575	145TC	53	0022XDSC42A-P	2.1	85.5	1	MTP841	\$1,024
2	1800	460	145TC	56	0024XDSB42A-P	3	86.5	1	MTP841	\$980
2	1800	575	145TC	56	0024XDSC42A-P	2.4	86.5	1	MTP841	\$980
2	1200	460	184TC	93	0026XDSB42A-P	3.4	88.5	1	MTP841	\$1,248
2	1200	575	184TC	93	0026XDSC42A-P	2.7	88.5	1	MTP841	\$1,248

**Totally Enclosed Fan Cooled
EQP Global 841 C-Face Footed
NEMA Premium® Efficiency**



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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	182TC	77	0032XDSB42A-P	3.7	86.5	1	MTP841	\$1,254
3	3600	575	182TC	77	0032XDSC42A-P	3.0	86.5	1	MTP841	\$1,254
3	1800	460	182TC	86	0034XDSB42A-P	4	89.5	1	MTP841	\$1,185
3	1800	575	182TC	86	0034XDSC42A-P	3.2	89.5	1	MTP841	\$1,185
3	1200	460	213TC	147	0036XDSB42A-P	4.4	89.5	1	MTP841	\$1,539
3	1200	575	213TC	147	0036XDSC42A-P	3.5	89.5	1	MTP841	\$1,539
5	3600	460	184TC	91	0052XDSB42A-P	5.8	88.5	1	MTP841	\$1,404
5	3600	575	184TC	91	0052XDSC42A-P	4.6	88.5	1	MTP841	\$1,404
5	1800	460	184TC	97	0054XDSB42A-P	6.5	89.5	1	MTP841	\$1,260
5	1800	575	184TC	97	0054XDSC42A-P	5.2	89.5	1	MTP841	\$1,260
5	1200	460	215TC	165	0056XDSB42A-P	6.9	89.5	1	MTP841	\$2,139
5	1200	575	215TC	165	0056XDSC42A-P	5.5	89.5	1	MTP841	\$2,139
7.5	3600	460	213TC	155	Y752XDSB42A-P	9	89.5	1	MTP841	\$1,718
7.5	3600	575	213TC	155	Y752XDSC42A-P	7.2	89.5	1	MTP841	\$1,718
7.5	1800	460	213TC	171	Y754XDSB42A-P	9.8	91.7	1	MTP841	\$1,707
7.5	1800	575	213TC	171	Y754XDSC42A-P	7.8	91.7	1	MTP841	\$1,707
7.5	1200	460	254TC	252	Y756XDSB42A-P	10.2	91.0	1	MTP841	\$2,816
7.5	1200	575	254TC	252	Y756XDSC42A-P	8.2	91.0	1	MTP841	\$2,816
10	3600	460	215TC	172	0102XDSB42A-P	11.8	90.2	1	MTP841	\$1,976
10	3600	575	215TC	172	0102XDSC42A-P	9.4	90.2	1	MTP841	\$1,976
10	1800	460	215TC	186	0104XDSB42A-P	13	91.7	1	MTP841	\$2,020
10	1800	575	215TC	186	0104XDSC42A-P	10.4	91.7	1	MTP841	\$2,020
10	1200	460	256TC	274	0106XDSB42A-P	13.4	91.0	1	MTP841	\$3,381
10	1200	575	256TC	274	0106XDSC42A-P	10.8	91.0	1	MTP841	\$3,381
15	3600	460	254TC	274	0152XDSB42A-P	18	91.0	1	MTP841	\$2,741
15	3600	575	254TC	274	0152XDSC42A-P	14.4	91.0	1	MTP841	\$2,741
15	1800	460	254TC	289	0154XDSB42A-P	19	92.4	1	MTP841	\$2,697
15	1800	575	254TC	289	0154XDSC42A-P	15.2	92.4	1	MTP841	\$2,697
15	1200	460	284TC	364	0156XDSB42A-P	19.6	91.7	1	MTP841	\$4,577
15	1200	575	284TC	364	0156XDSC42A-P	15.8	91.7	1	MTP841	\$4,577
20	3600	460	256TC	292	0202XDSB42A-P	24	91.0	1	MTP841	\$3,328
20	3600	575	256TC	292	0202XDSC42A-P	19.2	91.0	1	MTP841	\$3,328
20	1800	460	256TC	340	0204XDSB42A-P	25	93.0	1	MTP841	\$3,292
20	1800	575	256TC	340	0204XDSC42A-P	20.0	93.0	1	MTP841	\$3,292
20	1200	460	286TC	411	0206XDSB42A-P	25.4	91.7	1	MTP841	\$5,481
20	1200	575	286TC	411	0206XDSC42A-P	20.4	91.7	1	MTP841	\$5,481
25	3600	460	284TSC	406	0252XDSB42B-P	29	91.7	1	MTP841	\$4,217
25	3600	575	284TSC	406	0252XDSC42B-P	23.2	91.7	1	MTP841	\$4,217
25	1800	460	284TC	424	0254XDSB42A-P	30.5	93.6	1	MTP841	\$4,045
25	1800	575	284TC	424	0254XDSC42A-P	24.4	93.6	1	MTP841	\$4,045
25	1200	460	324TC	545	0256XDSB42A-P	31.2	93.0	1	MTP841	\$6,604
25	1200	575	324TC	545	0256XDSC42A-P	24.6	93.0	1	MTP841	\$6,604
30	3600	460	286TSC	439	0302XDSB42B-P	35	91.7	1	MTP841	\$4,848
30	3600	575	286TSC	439	0302XDSC42B-P	28.0	91.7	1	MTP841	\$4,848
30	1800	460	286TC	448	0304XDSB42A-P	36.4	93.6	1	MTP841	\$4,633
30	1800	575	286TC	448	0304XDSC42A-P	29.2	93.6	1	MTP841	\$4,633
30	1200	460	326TC	571	0306XDSB42A-P	37.2	93.0	1	MTP841	\$7,531

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LV General Purpose XT

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	1200	575	326TC	571	0306XDSC42A-P	30.0	93.0	1	MTP841	\$7,531
40	3600	460	324TSC	589	0402XDSC42B-P	47	92.4	1	MTP841	\$6,292
40	3600	575	324TSC	589	0402XDSC42B-P	37.6	92.4	1	MTP841	\$6,292
40	1800	460	324TC	593	0404XDSC42A-P	48	94.1	1	MTP841	\$6,067
40	1800	575	324TC	593	0404XDSC42A-P	38.4	94.1	1	MTP841	\$6,067
40	1200	460	364TC	708	0406XDSC42A-P	48	94.1	1	MTP841	\$10,362
40	1200	575	364TC	708	0406XDSC42A-P	38.4	94.1	1	MTP841	\$10,362
50	3600	460	326TSC	624	0502XDSC42B-P	58	93.0	1	MTP841	\$8,023
50	3600	575	326TSC	624	0502XDSC42B-P	46.4	93.0	1	MTP841	\$8,023
50	1800	460	326TC	651	0504XDSC42A-P	60	94.5	1	MTP841	\$7,337
50	1800	575	326TC	651	0504XDSC42A-P	48.0	94.5	1	MTP841	\$7,337
50	1200	460	365TC	757	0506XDSC42A-P	60	94.1	1	MTP841	\$11,776
50	1200	575	365TC	757	0506XDSC42A-P	48.0	94.1	1	MTP841	\$11,776
60	3600	460	364TSC	763	0602XDSC42B-P	69	93.6	1	MTP841	\$9,732
60	3600	575	364TSC	763	0602XDSC42B-P	55.0	93.6	1	MTP841	\$9,732
60	1800	460	364TC	796	0604XDSC42A-P	69	95.0	1	MTP841	\$9,657
60	1800	575	364TC	796	0604XDSC42A-P	55.0	95.0	1	MTP841	\$9,657
75	3600	460	365TSC	814	0752XDSC42B-P	86	93.6	1	MTP841	\$12,016
75	3600	575	365TSC	814	0752XDSC42B-P	68.8	93.6	1	MTP841	\$12,016
75	1800	460	365TC	893	0754XDSC42A-P	86	95.4	1	MTP841	\$12,023
75	1800	575	365TC	893	0754XDSC42A-P	68.8	95.4	1	MTP841	\$12,023

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimensioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Definite Purpose CT Series

Open Drip Proof Oil Well Pump Motors

Toshiba's definite purpose CT, open drip proof, high efficiency, Oil Well Pump motor series shares the same superb quality as other Toshiba open drip proof designs. This series is equipped to handle the harshest of environments including installations in remote locations where the motor cannot be easily accessed. These motors are specifically built for use in the oil industry and offer a high-slip, high-torque design with protective screens to safeguard against outdoor elements. Exceptional corrosion-resistance and high structural rigidity are inherent in this type of motor, and reliability and durability are critical factors that differentiate this product from competitors' offerings.

Standard Features:

- Open Drip Proof
- High Efficiency
- 230/460/796 V (796 V Usable on Solidly Grounded Neutral System)
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- IP22 Protection
- NEMA Design D
 - 5% to 8% Slip
 - 275% or Higher Locked Rotor Torque
- F2 Assembly
- Normally-Closed Thermostats
- Cast Iron Frame & Brackets
- Cast Iron Conduit Box
- Corrosion-Resistant Screens
- Lithium Base Grease
- Y-Delta Starting (240/460 V Only)

Applications:

- Oil Well Pumps
- Presses
- Lifts
- High Slip, Design D

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



Open Drip Proof Oil Well Pump High Efficiency



Toshiba's definite purpose CT, open drip proof, high efficiency, Oil Well Pump motor series shares the same superb quality as other Toshiba open drip proof designs. This series is equipped to handle the harshest of environments including installations in remote locations where the motor cannot be easily accessed. These motors are specifically built for use in the oil industry and offer a high-slip, high-torque design with protective screens to safeguard against outdoor elements. Exceptional corrosion-resistance and high structural rigidity are inherent in this type of motor, and reliability and durability are critical factors that differentiate this product from competitors' offerings.



Product Scope

Horsepower:	5 to 100 HP
Speed:	1200 RPM
Voltage:	230/460/796 V
Enclosure:	Open Drip Proof
Frame Size:	215T through 444T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	1200	230/460/796	215T	157	0056DPPD11A-P	8	84.0	1	MCTOWP	\$1,068
7.5	1200	230/460/796	254T	229	Y756DPPD11A-P	9.8	83.6	1	MCTOWP	\$1,337
10	1200	230/460/796	256T	264	0106DPPD11A-P	14.5	85.2	1	MCTOWP	\$1,665
15	1200	230/460/796	284T	333	0156DPPD11A-P	21.4	83.6	1	MCTOWP	\$2,321
20	1200	230/460/796	286T	364	0206DPPD11A-P	27.3	84.2	1	MCTOWP	\$2,771
25	1200	230/460/796	324T	444	0256DPPD11A-P	33.4	86.5	1	MCTOWP	\$3,319
30	1200	230/460/796	326T	496	0306DPPD11A-P	39.3	86.7	1	MCTOWP	\$4,039
40	1200	230/460/796	364T	599	0406DPPD11A-P	50.9	88.3	1	MCTOWP	\$5,168
50	1200	230/460/796	365T	675	0506DPPD11A-P	62.7	88.6	1	MCTOWP	\$6,485
60	1200	230/460/796	404T	998	0606DPPD11A-P	74.8	88.6	1	MCTOWP	\$7,362
75	1200	230/460/796	405T	1069	0756DPPD11A-P	92.9	89.0	1	MCTOWP	\$8,737
100	1200	230/460/796	444T	1339	1006DPPD11A-P	122	90.0	1	MCTOWP	\$11,105

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose CT Series

Totally Enclosed Fan Cooled Design C Motors



The definite purpose CT, totally enclosed fan cooled, EPACT efficiency, Design C motor series is designed using the CT EPACT motor as a base and incorporating Design C torque. This product is typically used in conveyor or shaker applications, or other applications requiring high starting torque, and can handle indoor and outdoor use. This motor product line encompasses Toshiba's impressive standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design C Performance
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron Frame
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 143T through 326T
- Roller Bearing on all 360T through 440T, 4 & 6-Pole
- Shaft Slinger on the Drive End
- Lithium Base Grease
- Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



Totally Enclosed Fan Cooled Design C EPACT Efficiency



The definite purpose CT, totally enclosed fan cooled, EPACT efficiency, Design C motor is designed using the CT EPACT motor as a base and incorporating Design C torque. This product is typically used in conveyor or shaker applications, or other applications requiring high starting torque, and can handle indoor or outdoor use. This product line encompasses Toshiba's impressive standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba. It also meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

- Horsepower: 1 to 200 HP
- Speed: 3600, 1800, or 1200 RPM
- Volt: 230/460 or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through 449T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.12 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	46	0014FTCA21A-P	2.9/1.45	82.5	1	MCTFCC	\$391
1	1800	575	143T	51	0014FTCC21A-P	1.16	82.5	1	MCTFCC	\$391
1	1200	230/460	145T	55	0016FTCA21A-P	3.4/1.7	80.0	1	MCTFCC	\$481
1	1200	575	145T	55	0016FTCC21A-P	1.4	80.0	1	MCTFCC	\$481
1.5	1800	230/460	145T	53	Y154FTCA21A-P	4.2/2.1	84.0	1	MCTFCC	\$401
1.5	1800	575	145T	55	Y154FTCC21A-P	1.7	84.0	1	MCTFCC	\$401
1.5	1200	230/460	182T	93	Y156FTCA21A-P	4.6/2.3	85.5	1	MCTFCC	\$598
1.5	1200	575	182T	95	Y156FTCC21A-P	1.84	85.5	1	MCTFCC	\$598
2	1800	230/460	145T	55	0024FTCA21A-P	5.6/2.8	84.0	1	MCTFCC	\$456
2	1800	575	145T	57	0024FTCC21A-P	2.2	84.0	1	MCTFCC	\$456
2	1200	230/460	184T	104	0026FTCA21A-P	6.2/3.1	86.5	1	MCTFCC	\$650
2	1200	575	184T	108	0026FTCC21A-P	2.48	86.5	1	MCTFCC	\$650
3	1800	230/460	182T	90	0034FTCA21A-P	8/4	87.5	1	MCTFCC	\$533
3	1800	575	182T	86	0034FTCC21A-P	3.2	87.5	1	MCTFCC	\$533
3	1200	230/460	213T	148	0036FTCA21A-P	8.9/4.45	87.5	1	MCTFCC	\$849
3	1200	575	213T	150	0036FTCC21A-P	3.6	87.5	1	MCTFCC	\$849
5	1800	230/460	184T	108	0054FTCA21A-P	12.8/6.4	87.5	1	MCTFCC	\$597
5	1800	575	184T	110	0054FTCC21A-P	5.12	85.5	1	MCTFCC	\$597
5	1200	230/460	215T	185	0056FTCA21A-P	14.6/7.3	87.5	1	MCTFCC	\$1,090
5	1200	575	215T	194	0056FTCC21A-P	5.84	87.5	1	MCTFCC	\$1,090
7.5	1800	230/460	213T	159	Y754FTCA21A-P	18.9/9.45	89.5	1	MCTFCC	\$827
7.5	1800	575	213T	168	Y754FTCC21A-P	7.6	89.5	1	MCTFCC	\$827
7.5	1200	230/460	254T	251	Y756FTCA21A-P	20/10	89.5	1	MCTFCC	\$1,571
7.5	1200	575	254T	238	Y756FTCC21A-P	8	89.5	1	MCTFCC	\$1,571

**Totally Enclosed
Fan Cooled
Design C
EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
10	1800	230/460	215T	185	0104FTCA21A-P	25.2/12.6	89.5	1	MCTFCC	\$988
10	1800	575	215T	192	0104FTCC21A-P	10.1	89.5	1	MCTFCC	\$988
10	1200	230/460	256T	335	0106FTCA21A-P	26.6/13.3	89.5	1	MCTFCC	\$1,859
10	1200	575	256T	313	0106FTCC21A-P	10.6	89.5	1	MCTFCC	\$1,859
15	1800	230/460	254T	278	0154FTCA21A-P	36.6/18.3	91.0	1	MCTFCC	\$1,424
15	1800	575	254T	273	0154FTCC21A-P	14.6	91.0	1	MCTFCC	\$1,424
15	1200	230/460	284T	423	0156FTCA21A-P	40/20	90.2	1	MCTFCC	\$2,546
15	1200	575	284T	445	0156FTCC21A-P	16	90.2	1	MCTFCC	\$2,546
20	1800	230/460	256T	304	0204FTCA21A-P	49.2/24.6	91.0	1	MCTFCC	\$1,757
20	1800	575	256T	306	0204FTCC21A-P	19.7	91.0	1	MCTFCC	\$1,757
20	1200	230/460	286T	481	0206FTCA21A-P	52/26	90.2	1	MCTFCC	\$3,146
20	1200	575	286T	489	0206FTCC21A-P	20.5	90.2	1	MCTFCC	\$3,146
25	1800	230/460	284T	452	0254FTCA21A-P	62/31	92.4	1	MCTFCC	\$2,116
25	1800	575	284T	485	0254FTCC21A-P	24.8	92.4	1	MCTFCC	\$2,116
25	1200	230/460	324T	573	0256FTCA21A-P	62/31	91.7	1	MCTFCC	\$3,802
25	1200	575	324T	582	0256FTCC21A-P	24.8	91.7	1	MCTFCC	\$3,802
30	1800	230/460	286T	481	0304FTCA21A-P	73/36.5	92.4	1	MCTFCC	\$2,560
30	1800	575	286T	511	0304FTCC21A-P	29.2	92.4	1	MCTFCC	\$2,560
30	1200	230/460	326T	655	0306FTCA21A-P	72/36	91.7	1	MCTFCC	\$4,188
30	1200	575	326T	666	0306FTCC21A-P	28.8	91.7	1	MCTFCC	\$4,188
40	1800	230/460	324T	608	0404FTCA21A-P	96/48	93.0	1	MCTFCC	\$3,493
40	1800	575	324T	631	0404FTCC21A-P	38.4	93.0	1	MCTFCC	\$3,493
40	1200	230/460	364T	827	0406FTCA21A-P	95.6/47.8	93.0	1	MCTFCC	\$5,656
40	1200	575	364T	825	0406FTCC21A-P	38.2	93.0	1	MCTFCC	\$5,656
50	1800	230/460	326T	714	0504FTCA21A-P	118/59	93.0	1	MCTFCC	\$3,932
50	1800	575	326T	728	0504FTCC21A-P	47.2	93.0	1	MCTFCC	\$3,932
50	1200	230/460	365T	926	0506FTCA21A-P	116/58	93.0	1	MCTFCC	\$6,834
50	1200	575	365T	946	0506FTCC21A-P	46.4	93.0	1	MCTFCC	\$6,834
60	1800	230/460	364T	910	0604FTCA21A-P	144/72	93.6	1	MCTFCC	\$5,987
60	1800	575	364T	941	0604FTCC21A-P	57.6	93.6	1	MCTFCC	\$5,987
60	1200	230/460	404T	1240	0606FTCA21A-P	140/70	93.6	1	MCTFCC	\$8,601
60	1200	575	404T	1240	0606FTCC21A-P	56.0	93.9	1	MCTFCC	\$8,601
75	1800	230/460	365T	1001	0754FTCA21A-P	178/89	94.1	1	MCTFCC	\$7,156
75	1800	575	365T	1001	0754FTCC21A-P	71.2	94.1	1	MCTFCC	\$7,156
75	1200	230/460	405T	1319	0756FTCA21A-P	174/87	93.6	1	MCTFCC	\$9,577
75	1200	575	405T	1319	0756FTCC21A-P	69.6	93.6	1	MCTFCC	\$9,577
100	1800	230/460	405T	1370	1004FTCA21A-P	242/121	94.5	1	MCTFCC	\$9,099
100	1800	575	405T	1370	1004FTCC21A-P	96.8	94.5	1	MCTFCC	\$9,099
100	1200	230/460	444T	1786	1006FTCA21A-P	244/122	94.1	1	MCTFCC	\$12,416
100	1200	575	444T	1786	1006FTCC21A-P	97.6	94.1	1	MCTFCC	\$12,416
125	1800	230/460	444T	1837	1254FTCA21A-P	290/145	94.5	1	MCTFCC	\$12,083
125	1800	575	444T	1837	1254FTCC21A-P	116.0	94.5	1	MCTFCC	\$12,083
125	1200	230/460	445T	1941	1256FTCA21A-P	302/151	94.1	1	MCTFCC	\$14,705
125	1200	575	445T	1941	1256FTCC21A-P	121.0	94.1	1	MCTFCC	\$14,705
150	1800	230/460	445T	2040	1504FTCA21A-P	338/169	95.0	1	MCTFCC	\$14,251
150	1800	575	445T	2040	1504FTCC21A-P	135.0	95.0	1	MCTFCC	\$14,251
150	1200	460	447T	2211	1506FTCB21A-P	179.0	95.0	1	MCTFCC	\$17,256

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**Totally Enclosed
Fan Cooled
Design C
EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
150	1200	575	447T	2211	1506FTCC21A-P	143.0	95.0	1	MCTFCC	\$17,256
200	1800	460	447T	2375	2004FTCB21A-P	226.0	95.0	1	MCTFCC	\$17,638
200	1800	575	447T	2375	2004FTCC21A-P	180.0	95.0	1	MCTFCC	\$17,638
200	1200	460	449T	2809	2006FTCB21A-P	237.0	95.0	1	MCTFCC	\$21,359
200	1200	575	449T	2809	2006FTCC21A-P	190.0	95.0	1	MCTFCC	\$21,359

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

XT

Open Drip Proof Dry Kiln Motors

Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.

Standard Features:

- Open Drip Proof
- High Efficiency
- 460 & 575 V
- Three-Phase
- 60 Hz
- NEMA Design B
- Class H Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- Special Windings for High Humidity & Corrosive Atmospheres
- 90°, 115°, & 135°C Designs
- 8-Foot Class H Leads (Three Leads)
- 304 Stainless Steel Nameplate
- Stamped Steel Conduit Box
- Cast Iron Frame
- Cast Iron Bearing Brackets
- High Temperature Bearing Grease

Applications:

- Soft Wood Dry Kilns
- Hard Wood Dry Kilns
- High Temperature Fans
- Oven Conveyors

Warranty:

- From Date of Shipment: 18 Months
- From Date of Installation: 12 Months



LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Open Drip Proof Dry Kiln

90°C Ambient High Efficiency



Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.



Product Scope

Horsepower:	3 to 25 HP
Speed:	1800, 1200, & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	184T through 326T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
3	1200	460	213T	142	0036DPKB11A	4.6		MXTDPK	\$3,191
5	1800	460	184T	100	0054DPKB11A	6.3		MXTDPK	\$3,005
5	1200	460	215T	180	0056DPKB11A	6.8		MXTDPK	\$3,329
5	900	460	254T	232	0058DPKB11A	7.8		MXTDPK	\$3,597
7.5	1800	460	213T	141	Y754DPKB11A	10.3		MXTDPK	\$3,191
7.5	1200	460	254T	230	Y756DPKB11A	10.5		MXTDPK	\$3,597
7.5	900	460	256T	303	Y758DPKB11A	11.5		MXTDPK	\$4,244
10	1800	460	215T	158	0104DPKB11A	12		MXTDPK	\$3,329
10	1200	460	256T	261	0106DPKB11A	13.5		MXTDPK	\$4,244
10	900	460	284T	343	0108DPKB11A	15.5		MXTDPK	\$5,346
15	1800	460	254T	256	0154DPKB11A	19		MXTDPK	\$3,597
15	1200	460	284T	326	0156DPKB11A	21		MXTDPK	\$5,346
15	900	460	286T	395	0158DPKB11A	23		MXTDPK	\$6,763
20	1800	460	256T	294	0204DPKB11A	24		MXTDPK	\$4,244
20	1200	460	286T	355	0206DPKB11A	27		MXTDPK	\$6,763
20	900	460	324T	492	0208DPKB11A	30		MXTDPK	\$8,004
25	1800	460	284T	373	0254DPKB11A	32		MXTDPK	\$5,346
25	1200	460	324T	433	0256DPKB11A	33		MXTDPK	\$8,004
25	900	460	326T	495	0258DPKB11A	36		MXTDPK	\$8,991

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Open Drip Proof Dry Kiln 115 °C Ambient High Efficiency



Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.

XT

Product Scope

Horsepower:	5 to 25 HP
Speed:	1200 & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	215T through 326T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
5	1200	460	215T	180	0056DPKB41A-Y	6.8	Contact Toshiba for Availability	MXTDPK	\$4,160
5	900	460	254T	232	0058DPKB21A-Y	7.8	↓	MXTDPK	\$4,498
7.5	1200	460	254T	230	Y756DPKB41A-Y	10.5		MXTDPK	\$4,498
7.5	900	460	256T	303	Y758DPKB21A-Y	11.5		MXTDPK	\$5,306
10	1200	460	256T	261	0106DPKB41A-Y	13.5		MXTDPK	\$5,306
10	900	460	284T	343	0108DPKB21A-Y	15.5		MXTDPK	\$6,832
15	1200	460	284T	326	0156DPKB41A-Y	21		MXTDPK	\$6,832
15	900	460	286T	395	0158DPKB21A-Y	23		MXTDPK	\$8,455
20	900	460	324T	492	0208DPKB41A-Y	30		MXTDPK	\$10,005
25	900	460	326T	495	0258DPKB21A-Y	36		MXTDPK	\$11,241

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

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LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Open Drip Proof Dry Kiln

135 °C Ambient High Efficiency



Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.

XT

Product Scope

Horsepower:	5 to 25 HP
Speed:	1200 & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	254T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
5	1200	460	254T	180	0056DPKB41A-Z	6.8	Contact Toshiba for Availability	MXTDPK	\$4,783
5	900	460	256T	232	0058DPKB21A-Z	7.8	↓	MXTDPK	\$5,171
7.5	1200	460	256T	230	Y756DPKB41A-Z	10.5		MXTDPK	\$5,171
7.5	900	460	284T	303	Y758DPKB21A-Z	11.5		MXTDPK	\$6,102
10	1200	460	284T	261	0106DPKB41A-Z	13.5		MXTDPK	\$6,102
10	900	460	286T	343	0108DPKB21A-Z	15.5		MXTDPK	\$7,684
15	1200	460	286T	326	0156DPKB41A-Z	21		MXTDPK	\$7,857
15	900	460	324T	395	0158DPKB21A-Z	23		MXTDPK	\$9,723
20	900	460	364T	492	0208DPKB41A-Z	30		MXTDPK	\$11,505
25	900	460	365T	495	0258DPKB21A-Z	36		MXTDPK	\$12,924

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Brake Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in high efficiency and NEMA Premium® efficiency options.

Standard Features:

- Totally Enclosed Fan Cooled
- NEMA Premium® Efficiency
- C-Face Footed & Footless
- 230/460, 460, & 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- 304 Stainless Steel Nameplate
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Stamped Steel Conduit Box on EQPIII
- Cast Iron Conduit Box on EQPIII-840
- Cast Iron Fan Cover
- Cast Iron Frame & Brackets
- V-Ring Seal on Drive End

Brake Options:

- Solenoid Actuated Spring-Set Brakes
- NEMA 2 (IP23), NEMA 4 (IP54) & NEMA 4X (IP55) Enclosures
- Multiple Options for Brake Voltages
- Manual Release Lever on Rear of Brake Housing
- Wear Adjustment
- Static Torque Ratings from 3 to 125 lb. ft.
- Production Designs from 15 to 25 HP (2, 4, & 6-Pole are Available Upon Application Review)

Applications:

- Conveyors
- Gear Reducers
- Door Lift Operators
- Material Handling
- Baggage Handling
- Carousels & Palletizing
- Holding Applications

Warranty:

- From Date of Shipment: 36 Months

3 Year Warranty



LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Totally Enclosed Fan Cooled EQPIII Brake Motor NEMA Premium® Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

Horsepower:	1/2 to 30 HP
Speed:	1800, 1200 or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	230/460	143T	66	6	B1/262LF2AMH				MXTFCB	\$2,206
0.5	1200	575	143T	66	6	B1/262LF2OMH				MXTFCB	\$2,206
0.75	1200	230/460	143T	66	6	B3/462LF2AMH	3.0/1.5	80.0*		MXTFCB	\$2,260
0.75	1200	575	143T	66	6	B3/462LF2OMH	1.2	80.0*		MXTFCB	\$2,260
1	1800	230/460	143T	66	6	B00142LF2AMH	2.8/1.4	85.5		MXTFCB	\$2,294
1	1800	575	143T	66	6	B00142LF2OMH	1.1	85.5		MXTFCB	\$2,294
1	1200	230/460	145T	75	10	B00163LF2AMH	3.6/1.8	82.5		MXTFCB	\$2,358
1	1200	575	145T	75	10	B00163LF2OMH	1.4	82.5		MXTFCB	\$2,358
1	900	230/460	182T		10	B00183LF2AMH				MXTFCB	\$3,335
1	900	575	182T		10	B00183LF2OMH				MXTFCB	\$3,335
1.5	1800	230/460	145T	70	10	BY1543LF2AMH	4.4/2.2	86.5		MXTFCB	\$2,338
1.5	1800	575	145T	70	10	BY1543LF2OMH	1.8	86.5		MXTFCB	\$2,338
1.5	1200	230/460	182T	94	10	BY1563LF2AMH	5/2.5	87.5		MXTFCB	\$2,652
1.5	1200	575	182T	94	10	BY1563LF2OMH	2	86.5		MXTFCB	\$2,652
1.5	900	230/460	184T		15	BY1584LF2AMH				MXTFCB	\$3,694
1.5	900	575	184T		15	BY1584LF2OMH				MXTFCB	\$3,694
2	1800	230/460	145T	74	10	B00243LF2AMH	5.6/2.8	86.5		MXTFCB	\$2,348
2	1800	575	145T	74	10	B00243LF2OMH	2.2	86.5		MXTFCB	\$2,348
2	1200	230/460	184T	113	15	B00264LF2AMH	6.6/3.3	88.5		MXTFCB	\$2,865
2	1200	575	184T	113	15	B00264LF2OMH	2.6	88.5		MXTFCB	\$2,865
2	900	230/460	213T		25	B00284LF2AMH				MXTFCB	\$6,124
2	900	575	213T		25	B00284LF2OMH				MXTFCB	\$6,124
3	1800	230/460	182T	110	15	B00344LF2AMH	7.6/3.8	89.5		MXTFCB	\$2,773
3	1800	575	182T	110	15	B00344LF2OMH	3	89.5		MXTFCB	\$2,773
3	1200	230/460	213T	189	35	B00365LF2AMH	8.2/4.1	90.2		MXTFCB	\$5,084
3	1200	575	213T	189	35	B00365LF2OMH	3.3	90.2		MXTFCB	\$5,084

**Totally Enclosed
Fan Cooled
EQPIII Brake Motor
NEMA Premium® Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	900		215T		35	B00385LF2AMH				MXTFCB	\$6,223
3	900		215T		35	B00385LF2OMH				MXTFCB	\$6,223
5	1800	230/460	184T	115	15	B00544LF2AMH	12.6/6.3	89.5		MXTFCB	\$2,851
5	1800	575	184T	115	15	B00544LF2OMH	5	89.5		MXTFCB	\$2,851
5	1200	230/460	215T	206	35	B00565LF2AMH	13.4/6.7	90.2		MXTFCB	\$5,244
5	1200	575	215T	206	35	B00565LF2OMH	5.4	90.2		MXTFCB	\$5,244
5	900	230/460	254T		50	B00586LF2AMH				MXTFCB	\$3,661
5	900	575	254T		50	B00586LF2OMH				MXTFCB	\$3,661
7.5	1800	230/460	213T	217	35	BY7545LF2USH	18.2/9.1	91.7		MXTFCB	\$4,949
7.5	1800	575	213T	217	35	BY7545LF2OSH	7.3	91.7		MXTFCB	\$4,949
7.5	1200	230/460	254T		50	BY7566LF2USH				MXTFCB	\$6,559
7.5	1200	575	254T		50	BY7566LF2OSH				MXTFCB	\$6,559
7.5	900	230/460	256T		75	BY7586LF2USH				MXTFCB	\$9,936
7.5	900	575	256T		75	BY7586LF2OSH				MXTFCB	\$9,936
10	1800	230/460	215T	232	50	B01046LF2USH	24/12	91.7		MXTFCB	\$5,579
10	1800	575	215T	232	50	B01046LF2OSH	9.6	91.7		MXTFCB	\$5,579
10	1200	230/460	254T		75	B01067LF2USH				MXTFCB	\$8,002
10	1200	575	254T		75	B01067LF2OSH				MXTFCB	\$8,002
10	900	230/460	284T		105	B01088LF2USH				MXTFCB	\$12,107
10	900	575	284T		105	B01088LF2OSH				MXTFCB	\$12,107
15	1800	230/460	254T		75	B01547LF2USH				MXTFCB	\$7,315
15	1800	575	254T		75	B01547LF2OSH				MXTFCB	\$7,315
15	1200	230/460	284T		105	B01568LF2USH				MXTFCB	\$10,614
15	1200	575	284T		105	B01568LF2OSH				MXTFCB	\$10,614
15	900	230/460	286T		125	B01589LF2USH				MXTFCB	\$22,960
15	900	575	286T		125	B01589LF2OSH				MXTFCB	\$22,960
20	1800	230/460	256T		105	B02048LF2USH				MXTFCB	\$9,221
20	1800	575	256T		105	B02048LF2OSH				MXTFCB	\$9,221
20	1200	230/460	286T		125	B02069LF2USH				MXTFCB	\$20,421
20	1200	575	286T		125	B02069LF2OSH				MXTFCB	\$20,421
25	1800	230/460	284T		105	B02548LF2USH				MXTFCB	\$10,182
25	1800	575	284T		105	B02548LF2OSH				MXTFCB	\$10,182
30	1800	230/460	286T		125	B03049LF2USH				MXTFCB	\$19,702
30	1800	575	286T		125	B03049LF2OSH				MXTFCB	\$19,702

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

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Totally Enclosed Fan Cooled EQPIII-840 Brake Motor NEMA Premium® Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The EQPIII-840 Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

- Horsepower: 1/2 to 30 HP
- Speed: 1800, 1200 or 900 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through 286T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	460	143T	66	6	B1/262LF1BMHD				MXTFCB	\$4,018
0.5	1200	575	143T	66	6	B1/262LF1OMHD				MXTFCB	\$4,018
0.75	1200	460	143T	66	6	B3/462LF1BMHD	1.5	80.0*		MXTFCB	\$4,082
0.75	1200	575	143T	66	6	B3/462LF1OMHD	1.2	80.0*		MXTFCB	\$4,082
1	1800	460	143T	76	6	B00142LF1BMHD	1.4	85.5		MXTFCB	\$4,091
1	1800	575	143T	76	6	B00142LF1OMHD	1.1	85.5		MXTFCB	\$4,091
1	1200	460	145T	70	10	B00163LF1BMHD	1.8	82.5		MXTFCB	\$4,190
1	1200	575	145T	70	10	B00163LF1OMHD	1.4	82.5		MXTFCB	\$4,190
1	900	230/460	182T		10	B00183LF1BMHD				MXTFCB	\$5,174
1	900	575	182T		10	B00183LF1OMHD				MXTFCB	\$5,174
1.5	1800	460	145T	85	10	BY1543LF1BMHD	2.2	86.5		MXTFCB	\$4,184
1.5	1800	575	145T	85	10	BY1543LF1OMHD	1.8	86.5		MXTFCB	\$4,184
1.5	1200	460	182T	94	10	BY1563LF1BMHD	2.5	86.5		MXTFCB	\$4,540
1.5	1200	575	182T	94	10	BY1563LF1OMHD	2	86.5		MXTFCB	\$4,540
1.5	900	230/460	184T		15	BY1584LF1BMHD				MXTFCB	\$5,586
1.5	900	575	184T		15	BY1584LF1OMHD				MXTFCB	\$5,586
2	1800	460	145T	95	10	B00243LF1BMHD	2.8	86.5		MXTFCB	\$4,483
2	1800	575	145T	95	10	B00243LF1OMHD	2.2	86.5		MXTFCB	\$4,483
2	1200	460	184T	125	15	B00264LF1BMHD	3.3	88.5		MXTFCB	\$4,757
2	1200	575	184T	125	15	B00264LF1OMHD	2.6	88.5		MXTFCB	\$4,757
2	900	230/460	213T		35	B00284LF3BMHD				MXTFCB	\$7,920
2	900	575	213T		35	B00284LF3OMHD				MXTFCB	\$7,920
3	1800	460	182T	100	15	B00344LF1BMHD	3.8	89.5		MXTFCB	\$4,696
3	1800	575	182T	100	15	B00344LF1OMHD	3	89.5		MXTFCB	\$4,696
3	1200	460	213T	189	35	B00365LF3BMHD	4.1	90.2		MXTFCB	\$6,966
3	1200	575	213T	189	35	B00365LF3OMHD	3.3	90.2		MXTFCB	\$6,966
3	900		215T		35	B00385LF3BMHD				MXTFCB	\$8,578
3	900		215T		35	B00385LF3OMHD				MXTFCB	\$8,578

Totally Enclosed Fan Cooled EQPIII-840 Brake Motor NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	1800	460	184T	125	15	B00544LF1BMHD	6.3	89.5		MXTFCB	\$4,781
5	1800	575	184T	125	15	B00544LF1OMHD	5	89.5		MXTFCB	\$4,781
5	1200	460	215T	201	35	B00565LF3BMHD	6.7	90.2		MXTFCB	\$7,170
5	1200	575	215T	201	35	B00565LF3OMHD	5.4	90.2		MXTFCB	\$7,170
5	900	230/460	254T		50	B00586LF3BMHD				MXTFCB	\$10,435
5	900	575	254T		50	B00586LF3OMHD				MXTFCB	\$10,435
7.5	1800	460	213T	190	35	BY7545LF3BSHD	9.1	91.7		MXTFCB	\$6,810
7.5	1800	575	213T	190	35	BY7545LF3OSHD	7.4	91.7		MXTFCB	\$6,810
7.5	1200	230/460	254T		50	BY7566LF3BSHD				MXTFCB	\$9,110
7.5	1200	575	254T		50	BY7566LF3OSHD				MXTFCB	\$9,110
7.5	900	230/460	256T		75	BY7586LF3BSHD				MXTFCB	\$12,558
7.5	900	575	256T		75	BY7586LF3OSHD				MXTFCB	\$12,558
10	1800	460	215T	190	50	B01046LF3BSHD	12	91.7		MXTFCB	\$7,495
10	1800	575	215T	190	50	B01046LF3OSHD	9.6	91.7		MXTFCB	\$7,495
10	1200	230/460	254T		75	B01067LF3BSHD				MXTFCB	\$10,772
10	1200	575	254T		75	B01067LF3OSHD				MXTFCB	\$10,772
10	900	230/460	284T		105	B01088LF3BSHD				MXTFCB	\$15,185
10	900	575	284T		105	B01088LF3OSHD				MXTFCB	\$15,185
15	1800	230/460	254T		75	B01547LF3BSHD				MXTFCB	\$9,854
15	1800	575	254T		75	B01547LF3OSHD				MXTFCB	\$9,854
15	1200	230/460	284T		105	B01568LF3BSHD				MXTFCB	\$13,706
15	1200	575	284T		105	B01568LF3OSHD				MXTFCB	\$13,706
15	900	230/460	286T		125	B01589LF3BSHD				MXTFCB	\$23,471
15	900	575	286T		125	B01589LF3OSHD				MXTFCB	\$23,471
20	1800	230/460	256T		105	B02048LF3BSHD				MXTFCB	\$11,776
20	1800	575	256T		105	B02048LF3OSHD				MXTFCB	\$11,776
20	1200	230/460	286T		125	B02069LF3BSHD				MXTFCB	\$20,917
20	1200	575	286T		125	B02069LF3OSHD				MXTFCB	\$20,917
25	1800	230/460	284T		105	B02548LF3BSHD				MXTFCB	\$12,988
25	1800	575	284T		105	B02548LF3OSHD				MXTFCB	\$12,988
30	1800	230/460	286T		125	B03049LF3BSHD				MXTFCB	\$20,034
30	1800	575	286T		125	B03049LF3OSHD				MXTFCB	\$20,034

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

LV General Purpose CT
LV General Purpose XT
EQP Global
LV Definite Purpose CT
LV Definite Purpose XT
MV General Purpose XT
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Appendices

**Totally Enclosed
 Fan Cooled
 EQPIII Brake Motor
 C-Face Footless
 NEMA Premium®
 Efficiency**



Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII Brake Motor C-Face Footless designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

- Horsepower: 1/2 to 30 HP
- Speed: 1800, 1200 or 900 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through 286T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	230/460	143TC	64	6	B1/262LC2AMH				MXTFCB	\$2,395
0.5	1200	575	143TC	64	6	B1/262LC2OMH				MXTFCB	\$2,395
0.75	1200	230/460	143TC	64	6	B3/462LC2AMH	3.0/1.5	80.0*		MXTFCB	\$2,449
0.75	1200	575	143TC	64	6	B3/462LC2OMH	1.2	80.0*		MXTFCB	\$2,449
1	1800	230/460	143TC	66	6	B00142LC2AMH	2.8/1.4	85.5		MXTFCB	\$2,483
1	1800	575	143TC	66	6	B00142LC2OMH	1.1	85.5		MXTFCB	\$2,483
1	1200	230/460	145TC	69	10	B00163LC2AMH	3.6/1.8	82.5		MXTFCB	\$2,547
1	1200	575	145TC	69	10	B00163LC2OMH	1.4	82.5		MXTFCB	\$2,547
1	900	230/460	182TC		10	B00183LC2AMH				MXTFCB	\$3,570
1	900	575	182TC		10	B00183LC2OMH				MXTFCB	\$3,570
1.5	1800	230/460	145TC	69	10	BY1543LC2AMH	4.4/2.2	86.5		MXTFCB	\$2,527
1.5	1800	575	145TC	69	10	BY1543LC2OMH	1.8	86.5		MXTFCB	\$2,527
1.5	1200	230/460	182TC	92	10	BY1563LC2AMH	5/2.5	87.5		MXTFCB	\$2,841
1.5	1200	575	182TC	92	10	BY1563LC2OMH	2	86.5		MXTFCB	\$2,841
1.5	900	230/460	184TC		15	BY1584LC2AMH				MXTFCB	\$3,930
1.5	900	575	184TC		15	BY1584LC2OMH				MXTFCB	\$3,930
2	1800	230/460	145TC	74	10	B00243LC2AMH	5.6/2.8	86.5		MXTFCB	\$2,537
2	1800	575	145TC	74	10	B00243LC2OMH	2.2	86.5		MXTFCB	\$2,537
2	1200	230/460	184TC	107	15	B00264LC2AMH	6.6/3.3	88.5		MXTFCB	\$3,054
2	1200	575	184TC	107	15	B00264LC2OMH	2.6	88.5		MXTFCB	\$3,054
2	900	230/460	213TC		20	B00285LC2AMH				MXTFCB	\$6,360
2	900	575	213TC		20	B00285LC2OMH				MXTFCB	\$6,360

Totally Enclosed Fan Cooled EQPIII Brake Motor C-Face Footless NEMA Premium® Efficiency



XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

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Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	230/460	182TC	110	15	B00344LC2AMH	7.6/3.8	89.5		MXTFCB	\$2,962
3	1800	575	182TC	110	15	B00344LC2OMH	3	89.5		MXTFCB	\$2,962
3	1200	230/460	213TC	184	35	B00365LC2AMH	8.2/4.1	90.2		MXTFCB	\$5,320
3	1200	575	213TC	184	35	B00365LC2OMH	3.3	90.2		MXTFCB	\$5,320
3	900		215TC		25	B00385LC2AMH				MXTFCB	\$6,459
3	900		215TC		25	B00385LC2OMH				MXTFCB	\$6,459
5	1800	230/460	184TC	115	15	B00544LC2AMH	12.6/6.3	89.5		MXTFCB	\$3,040
5	1800	575	184TC	115	15	B00544LC2OMH	5	89.5		MXTFCB	\$3,040
5	1200	230/460	215TC	206	35	B00565LC2AMH	13.4/6.7	90.2		MXTFCB	\$5,481
5	1200	575	215TC	206	35	B00565LC2OMH	5.4	90.2		MXTFCB	\$5,481
5	900	230/460	254TC		50	B00586LC2AMH				MXTFCB	\$8,384
5	900	575	254TC		50	B00586LC2OMH				MXTFCB	\$8,384
7.5	1800	230/460	213TC	217	35	BY7545LC2USH	18.2/9.1	91.7		MXTFCB	\$5,185
7.5	1800	575	213TC	217	35	BY7545LC2OSH	7.3	91.7		MXTFCB	\$5,185
7.5	1200	230/460	254TC		50	BY7566LC2USH				MXTFCB	\$6,937
7.5	1200	575	254TC		50	BY7566LC2OSH				MXTFCB	\$6,937
7.5	900	230/460	256TC		75	BY7587LC2USH				MXTFCB	\$10,314
7.5	900	575	256TC		75	BY7587LC2OSH				MXTFCB	\$10,314
10	1800	230/460	215TC	227	50	B01046LC2USH	24/12	91.7		MXTFCB	\$5,816
10	1800	575	215TC	227	50	B01046LC2OSH	9.6	91.7		MXTFCB	\$5,816
10	1200	230/460	254TC		75	B01067LC2USH				MXTFCB	\$8,380
10	1200	575	254TC		75	B01067LC2OSH				MXTFCB	\$8,380
10	900	230/460	284TC		105	B01088LC2USH				MXTFCB	\$12,662
10	900	575	284TC		105	B01088LC2OSH				MXTFCB	\$12,662
15	1800	230/460	254TC		75	B01547LC2USH				MXTFCB	\$7,693
15	1800	575	254TC		75	B01547LC2OSH				MXTFCB	\$7,693
15	1200	230/460	284TC		105	B01568LC2USH				MXTFCB	\$11,169
15	1200	575	284TC		105	B01568LC2OSH				MXTFCB	\$11,169
15	900	230/460	286TC		125	B01589LC2USH				MXTFCB	\$23,515
15	900	575	286TC		125	B01589LC2OSH				MXTFCB	\$23,515
20	1800	230/460	256TC		105	B02048LC2USH				MXTFCB	\$9,598
20	1800	575	256TC		105	B02048LC2OSH				MXTFCB	\$9,598
20	1200	230/460	286TC		125	B02069LC2USH				MXTFCB	\$20,976
20	1200	575	286TC		125	B02069LC2OSH				MXTFCB	\$20,976
25	1800	230/460	284TC		105	B02548LC2USH				MXTFCB	\$10,737
25	1800	575	284TC		105	B02548LC2OSH				MXTFCB	\$10,737
30	1800	230/460	286TC		125	B03049LC2USH				MXTFCB	\$20,258
30	1800	575	286TC		125	B03049LC2OSH				MXTFCB	\$20,258

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Totally Enclosed Fan Cooled EQPIII-840 Brake Motor C-Face Footless NEMA Premium® Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 Brake Motor C-Face Footless is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

- Horsepower: 1/2 to 30 HP
- Speed: 1800, 1200 or 900 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through 286T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	460	143TC	64	6	B1/262LC1BMHD				MXTFCB	\$4,207
0.5	1200	575	143TC	64	6	B1/262LC1OMHD				MXTFCB	\$4,207
0.75	1200	460	143TC	64	6	B3/462LC1BMHD	1.5	80.0*		MXTFCB	\$4,271
0.75	1200	575	143TC	64	6	B3/462LC1OMHD	1.2	80.0*		MXTFCB	\$4,271
1	1800	460	143TC	76	6	B00142LC1BMHD	1.4	85.5		MXTFCB	\$4,280
1	1800	575	143TC	76	6	B00142LC1OMHD	1.1	85.5		MXTFCB	\$4,280
1	1200	460	145TC	69	10	B00163LC1BMHD	1.8	82.5		MXTFCB	\$4,379
1	1200	575	145TC	69	10	B00163LC1OMHD	1.4	82.5		MXTFCB	\$4,379
1	900	230/460	182TC		10	B00183LC1BMHD				MXTFCB	\$5,411
1	900	575	182TC		10	B00183LC1OMHD				MXTFCB	\$5,411
1.5	1800	460	145TC	75	10	BY1543LC1BMHD	2.2	86.5		MXTFCB	\$4,373
1.5	1800	575	145TC	75	10	BY1543LC1OMHD	1.8	86.5		MXTFCB	\$4,373
1.5	1200	460	182TC	92	10	BY1563LC1BMHD	2.5	86.5		MXTFCB	\$4,729
1.5	1200	575	182TC	92	10	BY1563LC1OMHD	2	86.5		MXTFCB	\$4,729
1.5	900	230/460	184TC		15	BY1584LC1BMHD				MXTFCB	\$5,821
1.5	900	575	184TC		15	BY1584LC1OMHD				MXTFCB	\$5,821
2	1800	460	145TC	74	10	B00243LC1BMHD	2.8	86.5		MXTFCB	\$4,672
2	1800	575	145TC	74	10	B00243LC1OMHD	2.2	86.5		MXTFCB	\$4,672
2	1200	460	184TC	145	15	B00264LC1BMHD	3.3	88.5		MXTFCB	\$4,946
2	1200	575	184TC	145	15	B00264LC1OMHD	2.6	88.5		MXTFCB	\$4,946
2	900	230/460	213TC		20	B00285LC3BMHD				MXTFCB	\$8,155
2	900	575	213TC		20	B00285LC3OMHD				MXTFCB	\$8,155

Totally Enclosed Fan Cooled EQPIII-840 Brake Motor C-Face Footless NEMA Premium® Efficiency



XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

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Appendices

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	460	182TC	98	15	B00344LC1BMHD	3.8	89.5		MXTFCB	\$4,885
3	1800	575	182TC	98	15	B00344LC1OMHD	3	89.5		MXTFCB	\$4,885
3	1200	460	213TC	184	35	B00365LC3BMHD	4.1	90.2		MXTFCB	\$7,203
3	1200	575	213TC	184	35	B00365LC3OMHD	3.3	90.2		MXTFCB	\$7,203
3	900		215TC		25	B00385LC3BMHD				MXTFCB	\$8,814
3	900		215TC		25	B00385LC3OMHD				MXTFCB	\$8,814
5	1800	460	184TC	125	15	B00544LC1BMHD	6.3	89.5		MXTFCB	\$4,970
5	1800	575	184TC	125	15	B00544LC1OMHD	5	89.5		MXTFCB	\$4,970
5	1200	460	215TC	216	35	B00565LC3BMHD	6.7	90.2		MXTFCB	\$7,406
5	1200	575	215TC	216	35	B00565LC3OMHD	5.4	90.2		MXTFCB	\$7,406
5	900	230/460	254TC		50	B00586LC3BMHD				MXTFCB	\$10,813
5	900	575	254TC		50	B00586LC3OMHD				MXTFCB	\$10,813
7.5	1800	460	213TC	217	35	BY7545LC3BSHD	9.1	91.7		MXTFCB	\$7,047
7.5	1800	575	213TC	217	35	BY7545LC3OSHD	7.4	91.7		MXTFCB	\$7,047
7.5	1200	230/460	254TC		50	BY7566LC3BSHD				MXTFCB	\$9,488
7.5	1200	575	254TC		50	BY7566LC3OSHD				MXTFCB	\$9,488
7.5	900	230/460	256TC		75	BY7587LC3BSHD				MXTFCB	\$12,936
7.5	900	575	256TC		75	BY7587LC3OSHD				MXTFCB	\$12,936
10	1800	460	215TC	227	50	B01046LC3BSHD	12	91.7		MXTFCB	\$7,732
10	1800	575	215TC	227	50	B01046LC3OSHD	9.6	91.7		MXTFCB	\$7,732
10	1200	230/460	254TC		75	B01067LC3BSHD				MXTFCB	\$11,150
10	1200	575	254TC		75	B01067LC3OSHD				MXTFCB	\$11,150
10	900	230/460	284TC		105	B01088LC3BSHD				MXTFCB	\$15,740
10	900	575	284TC		105	B01088LC3OSHD				MXTFCB	\$15,740
15	1800	230/460	254TC		75	B01547LC3BSHD				MXTFCB	\$10,232
15	1800	575	254TC		75	B01047LC3OSHD				MXTFCB	\$10,232
15	1200	230/460	284TC		105	B01068LC3BSHD				MXTFCB	\$14,261
15	1200	575	284TC		105	B01068LC3OSHD				MXTFCB	\$14,261
15	900	230/460	286TC		125	B01089LC3BSHD				MXTFCB	\$24,026
15	900	575	286TC		125	B01089LC3OSHD				MXTFCB	\$24,026
20	1800	230/460	256TC		105	B02048LC3BSHD				MXTFCB	\$12,154
20	1800	575	256TC		105	B02048LC3OSHD				MXTFCB	\$12,154
20	1200	230/460	286TC		125	B02069LC3BSHD				MXTFCB	\$21,473
20	1200	575	286TC		125	B02069LC3OSHD				MXTFCB	\$21,473
25	1800	230/460	284TC		105	B02548LC3BSHD				MXTFCB	\$13,543
25	1800	575	284TC		105	B02548LC3OSHD				MXTFCB	\$13,543
30	1800	230/460	286TC		125	B03049LC3BSHD				MXTFCB	\$20,589
30	1800	575	286TC		125	B03049LC3OSHD				MXTFCB	\$20,589

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled NEMA Design C Motors

The definite purpose XT, totally enclosed fan cooled, EPACT efficiency NEMA Design C motor series is designed using the XT EPACT motor as a base. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11 and can be used in indoor or outdoor applications. This line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- 304 Stainless Steel Name Plate
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Cast Iron Conduit Box
- Cast Iron Frame & Brackets
- V-Ring Seal on Drive End

2 Year Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months



**Totally Enclosed
Fan Cooled
NEMA Design C
EPACT Efficiency**



The definite purpose XT, totally enclosed fan cooled, EPACT efficiency, NEMA Design C motor series is designed using the XT EPACT motor as a base. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11 and can be used in indoor or outdoor applications. This line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

XT

Product Scope

- Horsepower: 1 to 60 HP
- Speed: 1800 or 1200 RPM
- Voltage: 230/460 or 575
- Enclosure: Totally Enclosed Fan Cooled
- Frame Size: 143T through 404T
- Construction: Cast Iron
- Vibration (Unfiltered): Typically 0.10 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
1	1800	230/460	143T	54	C0014FLF2UMWQ	2.8/1.4	83.5		MXTFCC	\$603
1	1800	575	143T	54	C0014FLF2OMWQ	1.1	82.5		MXTFCC	\$603
1.5	1800	230/460	145T	61	CY154FLF2UMWQ	4.4/2.2	84.0		MXTFCC	\$666
1.5	1800	575	145T	61	CY154FLF2OMWQ	1.8	84.0		MXTFCC	\$666
2	1800	230/460	145T	62	C0024FLF2UMWQ	5.6/2.8	84.0		MXTFCC	\$726
2	1800	575	145T	62	C0024FLF2OMWQ	2.2	84.0		MXTFCC	\$726
3	1800	230/460	182T	94	C0034FLF2UMWQ	7.6/3.8	87.5		MXTFCC	\$818
3	1800	575	182T	94	C0034FLF2OMWQ	3	87.5		MXTFCC	\$818
5	1800	230/460	184T	106	C0054FLF2UMWQ	12.6/6.3	87.5		MXTFCC	\$949
5	1800	575	184T	106	C0054FLF2OMWQ	5	87.5		MXTFCC	\$949
7.5	1800	230/460	213T	185	CY754FLF2USWQ	18.6/9.3	89.5		MXTFCC	\$1,611
7.5	1800	575	213T	185	CY754FLF2OSWQ	7.4	89.5		MXTFCC	\$1,611
10	1800	230/460	215T	201	C0104FLF2USWQ	24/12	89.5		MXTFCC	\$1,701
10	1800	575	215T	201	C0104FLF2OSWQ	9.6	89.5		MXTFCC	\$1,701
10	1200	230/460	256T	327	C0106FLF2USWQ	26/13	89.5		MXTFCC	\$2,887
10	1200	575	256T	327	C0106FLF2OSWQ	10.4	89.5		MXTFCC	\$2,887
15	1800	230/460	254T	292	C0154FLF2USWQ	37/18.5	91.0		MXTFCC	\$2,359
15	1800	575	254T	292	C0154FLF2OSWQ	14.8	91.0		MXTFCC	\$2,359
15	1200	230/460	284T	370	C0156FLF3UMWQ	38/19	90.2		MXTFCC	\$4,301
15	1200	575	284T	370	C0156FLF3OMWQ	15.2	90.2		MXTFCC	\$4,301
20	1800	230/460	256T	340	C0204FLF2USWQ	50/25	91.0		MXTFCC	\$2,854
20	1800	575	256T	340	C0204FLF2OSWQ	20	91.0		MXTFCC	\$2,854
20	1200	230/460	286T	400	C0206FLF3UMWQ	50/25	90.2		MXTFCC	\$4,872
20	1200	575	286T	400	C0206FLF3OMWQ	21	90.2		MXTFCC	\$4,872
25	1800	230/460	284T	400	C0254FLF3UMWQ	60/30	92.4		MXTFCC	\$3,805
25	1800	575	284T	400	C0254FLF3OMWQ	24	92.4		MXTFCC	\$3,805

LV General Purpose CT
 LV General Purpose XT
 EQP Global
 LV Definite Purpose CT
 LV Definite Purpose XT
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**Totally Enclosed
 Fan Cooled
 NEMA Design C
 EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
25	1200	230/460	324T	493	C0256FLF3UMWQ	64/32	91.7		MXTFCC	\$6,003
25	1200	575	324T	493	C0256FLF3OMWQ	26	91.7		MXTFCC	\$6,003
30	1800	230/460	286T	432	C0304FLF3UMWQ	74/37	92.4		MXTFCC	\$4,256
30	1800	575	286T	432	C0304FLF3OMWQ	29	92.4		MXTFCC	\$4,256
30	1200	230/460	326T	543	C0306FLF3UMWQ	78/39	91.7		MXTFCC	\$6,169
30	1200	575	326T	543	C0306FLF3OMWQ	31	91.7		MXTFCC	\$6,169
40	1800	230/460	324T	569	C0404FLF3USWQ	92/46	93.0		MXTFCC	\$5,683
40	1800	575	324T	569	C0404FLF3OSWQ	37	93.0		MXTFCC	\$5,683
40	1200	230/460	364T	712	C0406FLF3UMWQ	98/49	93.0		MXTFCC	\$9,161
40	1200	575	364T	712	C0406FLF3OMWQ	39	93.0		MXTFCC	\$9,161
50	1800	230/460	326T	636	C0504FLF3USWQ	122/61	93.0		MXTFCC	\$6,343
50	1800	575	326T	636	C0504FLF3OSWQ	49	93.0		MXTFCC	\$6,343
50	1200	230/460	365T	795	C0506FLF3UMWQ	124/62	93.0		MXTFCC	\$10,299
50	1200	575	365T	795	C0506FLF3OMWQ	50	93.0		MXTFCC	\$10,299
60	1800	230/460	364T	748	C0604FLF3UMWQ	142/71	93.6		MXTFCC	\$8,883
60	1800	575	364T	748	C0604FLF3OMWQ	57	93.6		MXTFCC	\$8,883
60	1200	230/460	404T	1240	C0606FLF3USWQ	148/74	93.6		MXTFCC	\$13,440
60	1200	575	404T	1240	C0606FLF3OSWQ	59	93.6		MXTFCC	\$13,440

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Quarry Duty Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, high efficiency, Quarry Duty motor series has a proven track record of exceeding the extreme demands of the cement and aggregate industries. Our Quarry Duty motors utilize a totally enclosed fan cooled design and provide exceptional high torque, oversized superior-grade roller bearings, and shafts built with high strength 4142 steel. The roller bearings on the motor's drive-end allow for heavy radial loads normally associated with belt-driven applications. The Quarry Duty motor series exceeds NEMA MG1 Part 31 requirements and is designed for horizontal or vertical, indoor and outdoor applications.

Standard Features:

- Totally Enclosed Fan Cooled
- High Efficiency
- High Torque Design
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- Class F Insulation
- 1.15 Service Factor
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Cast Iron Frames
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Open Re-Greaseable Bearings
- Polyurea Base Grease
- Cast Iron Conduit Box
- V-Ring Shaft Seal
- 4142 High Strength Shaft Steel on 444T & Above
- Grade-5 Hardware on 364T & 405T
- Grade-8 Hardware on 444T & Above
- Bearing Lock Nuts on 444T & Above for Vertical Applications
- Roller Bearings on 444T & Above

2 Year Warranty

Applications:

- Ball & Rolling Mills
- Centrifuges
- Chippers
- Cone Crushers
- Conveyors
- Debarkers
- Grinding Mills
- Hammer Mills
- Jaw Crushers

Warranty:

- From Date of Shipment: 24 Months



LV General Purpose CT
 LV General Purpose XT
 EQP Global
 LV Definite Purpose CT
 LV Definite Purpose XT
 MV General Purpose XT
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Totally Enclosed Fan Cooled Quarry Duty High Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, high efficiency, Quarry Duty motor series has a proven track record of exceeding the extreme demands of the cement and aggregate industries. Our Quarry Duty motors utilize a totally enclosed fan cooled design and provide exceptional high torque, oversized superior-grade roller bearings, and shafts built with high strength 4142 steel. The roller bearings on the motor's drive-end allow for heavy radial loads normally associated with belt-driven applications. The Quarry Duty motor series exceeds NEMA MG1 Part 31 requirements and is designed for horizontal or vertical, indoor and outdoor applications.



Product Scope

Horsepower:	75 to 600 HP
Speed:	1800, 1200, or 900 RPM
Volt:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	365T through 5810UZ
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	1800	230/460	365T	814	C0754FLF3UMQ	176/88	91.7	10	MXTFCQ	\$7,502
75	1800	575	365T	814	C0754FLF3OMQ	70	91.7	10	MXTFCQ	\$7,502
75	1200	230/460	405T	1245	C0756FLF3UMQ	190/95	93.0	10	MXTFCQ	\$10,017
75	1200	575	405T	1245	C0756FLF3OMQ	76	93.0	10	MXTFCQ	\$10,017
100	1800	230/460	405T	1267	C1004FLF3USQ	244/122	93.0	10	MXTFCQ	\$9,477
100	1800	575	405T	1267	C1004FLF3OSQ	92	93.0	10	MXTFCQ	\$9,477
100	1200	230/460	444T	1714	C1006FLF4UMQ	248/124	93.0	2, 10	MXTFCQ	\$13,769
100	1200	575	444T	1714	C1006FLF4OMQ	99.2	93.0	2, 10	MXTFCQ	\$13,769
125	1800	230/460	444T	1746	C1254FLF4UMQ	300/150	92.4	2, 10	MXTFCQ	\$13,388
125	1800	575	444T	1746	C1254FLF4OMQ	120	92.4	2, 10	MXTFCQ	\$13,388
125	1200	230/460	445T	1888	C1256FLF4UMQ	304/152	93.6	2, 10	MXTFCQ	\$14,851
125	1200	575	445T	1888	C1256FLF4OMQ	121.6	93.6	2, 10	MXTFCQ	\$14,851
125	900	460	505UZ		C1258FLF4BMQ			2	MXTFCQ	\$20,402
125	900	575	505UZ		C1258FLF4OMQ			2, 6	MXTFCQ	\$20,402
150	1800	230/460	445T	1872	C1504FLF4UMQ	356/178	93.0	2, 10	MXTFCQ	\$15,030
150	1800	575	445T	1872	C1504FLF4OMQ	142	93.0	2, 10	MXTFCQ	\$15,030
150	1200	460	447T	2092	C1506FLF4BMQ	178	93.0	2, 10	MXTFCQ	\$17,054
150	1200	575	447T	2092	C1506FLF4OMQ	143	93.0	2, 10	MXTFCQ	\$17,054
150	1200	460	447TZ	2092	C1506FLF4BMQZ	178	93.0	2, 10	MXTFCQ	\$17,054
150	1200	575	447TZ	2092	C1506FLF4OMQZ	142.4	93.0	2, 10	MXTFCQ	\$17,054
150	900	460	505UZ		A1508FLF4BMQ			2, 6	MXTFCQ	\$31,341
150	900	575	505UZ		A1508FLF4OMQ			2, 6	MXTFCQ	\$31,341
200	1800	460	447T	2182	C2004FLF4BMQ	237	93.6	2, 10	MXTFCQ	\$18,085
200	1800	575	447T	2182	C2004FLF4OMQ	190	93.6	2, 10	MXTFCQ	\$18,085
200	1800	460	447TZ	2182	C2004FLF4BMQZ	237	93.6	2, 10	MXTFCQ	\$18,085

Totally Enclosed Fan Cooled Quarry Duty High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
200	1800	575	447TZ	2182	C2004FLF4OMQZ	190	93.6	2, 10	MXTFCQ	\$18,085
200	1200	460	505UZ	3030	C2006FLF4BMQ	236	93.6	2, 10	MXTFCQ	\$22,330
200	1200	575	505UZ	3030	C2006FLF4OMQ	189	93.6	2, 10	MXTFCQ	\$22,330
200	900	460	N587UZQ		C2008FLF4BMQ	262	94.5	2	MXTFCQ	\$38,901
200	900	575	N587UZQ		C2008FLF4OMQ	210	94.5	2	MXTFCQ	\$38,901
250	1800	460	505UZ	2765	A2504FLF4BMQ	288	94.1	2	MXTFCQ	\$26,879
250	1800	575	505UZ	2765	AB2504FLF4OMQ	231	94.1	2	MXTFCQ	\$26,879
250	1200	460	N587UZQ	3744	A2506FLF4BMQ	296	94.5	2	MXTFCQ	\$34,461
250	1200	575	N587UZQ	3744	A2506FLF4OMQ	237	94.5	2	MXTFCQ	\$34,461
250	900	460	N587UZQ	4160	A2508FLF4BMQ01	321	95.0	2	MXTFCQ	\$43,125
250	900	575	N587UZQ	4160	A2508FLF4OMQ	260	95.0	2	MXTFCQ	\$43,125
300	1800	460	N587UZQ	3781	A3004FLF4BMQ	350	94.1	2	MXTFCQ	\$32,142
300	1800	575	N587UZQ	3781	A3004FLF4OMQ	280	94.1	2	MXTFCQ	\$32,142
300	1200	460	N587UZQ	3967	A3006FLF4BMQ	354	94.5	2	MXTFCQ	\$39,564
300	1200	575	N587UZQ	3967	A3006FLF4OMQ	284	94.3	2	MXTFCQ	\$39,564
300	900	460	5810UZ		F3008FLF4BMQ			2	MXTFCQ	\$53,174
300	900	575	5810UZ		F3008FLF4OMQ			2	MXTFCQ	\$53,174
350	1800	460	N587UZQ	3909	A3504FLF4BMQ	408	94.1	2	MXTFCQ	\$34,697
350	1800	575	N587UZQ	3909	A3504FLF4OMQ	327	94.1	2	MXTFCQ	\$34,697
350	1200	460	5010UZ	4740	A3506FLF4BMQ	451	94.5	2, 6	MXTFCQ	\$42,565
350	1200	575	5010UZ	4740	A3506FLF4OMQ	361	94.5	2, 6	MXTFCQ	\$42,565
350	900	460	5810UZ		F3508FLF4BMQ			2	MXTFCQ	\$58,145
350	900	575	5810UZ		F3508FLF4OMQ			2	MXTFCQ	\$58,145
400	1800	460	N587UZQ	3909	A4004FLF4BMQ	470	94.5	2, 6	MXTFCQ	\$40,595
400	1800	575	N587UZQ	3909	A4004FLF4OMQ	376	94.5	2, 6	MXTFCQ	\$40,595
400	1200	460	5010UZ	4905	F4006FLF4BMQ	485	95.4	2	MXTFCQ	\$49,240
400	1200	575	5010UZ	4905	F4006FLF4OMQ	388	95.4	2	MXTFCQ	\$49,240
400	900	460	5810UZ		F4008FLF4BMQ	560	95.4	2	MXTFCQ	\$68,259
400	900	575	5810UZ		F4008FLF4OMQ	450	95.4	2	MXTFCQ	\$68,259
450	1800	460	5010UZ	4870	A4504FLF4BMQ	509	95.4	2	MXTFCQ	\$47,732
450	1800	575	5010UZ	4870	A4504FLF4OMQ	408	95.4	2	MXTFCQ	\$47,732
450	1200	460	5810UZ		F4506FLF4BMQ	589	95.4	2	MXTFCQ	\$56,247
450	1200	575	5810UZ		F4506FLF4OMQ	475	95.4	2	MXTFCQ	\$56,247
450	900	460	5810UZ	6083	F4508FLF4BMQ	617	95.4	2	MXTFCQ	\$73,289
450	900	575	5810UZ	6083	F4508FLF4OMQ	500	95.4	2	MXTFCQ	\$73,289
500	1800	460	5010UZ	4675	A5004FLF4BMQ			2	MXTFCQ	\$50,907
500	1800	575	5010UZ	4675	A5004FLF4OMQ			2	MXTFCQ	\$50,907
500	1200	460	5810UZ	6083	F5006FLF4BMQ	645	95.4	2	MXTFCQ	\$71,163
500	1200	575	5810UZ	6083	F5006FLF4OMQ	516	95.4	2	MXTFCQ	\$71,163
600	1800	460	5810UZ	7700	F6004FLF4BMQ			2	MXTFCQ	\$56,930
600	1800	575	5810UZ	7700	F6004FLF4OMQ			2	MXTFCQ	\$56,930
600	1200	460	5810UZ		F6006FLF4BMQ			2	MXTFCQ	\$85,397
600	1200	575	5810UZ		F6006FLF4OMQ			2	MXTFCQ	\$85,397

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Vector Ready Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Vector Ready motor series is designed for the extreme operational requirements of today's variable speed applications. This product line was built using the cornerstone of the Toshiba motor product offering, the EQPIII, as a base. It is built to survive in the most demanding environments requiring tight vector control such as material handling, conveyor, and machine tool as well as many other process-oriented applications. The Vector Ready motor series is specifically designed for indoor and outdoor inverter operation and is not intended for conventional across-the-line operation. This product exceeds the requirements of NEMA MG1 Part 31 Definite Purpose (inverter duty).

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled
- Cast Iron Frame
- Premium Efficiency
- Class F Insulation
- Three-Phase
- 60 Hz
- 1.0 Service Factor
- NEMA Design A
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31 Definite Purpose
- 143T through 256T TEFC or TENV
- 284T through N449T TEFC or TEBC
- Double Shaft Extensions for Encoder Mounting
 - 5/8" for 143T through 256T
 - 1" for 284T through N449T
- Double C-Face TENV 143T through 256T
- Normally-Closed Thermostats (155°C)
- C-Face Footed & Footless Available
- Constant HP
 - 60 to 120 Hz (143T through 256T)
 - 60 to 90 Hz (for 284T through N449T)
- Constant Torque 2000:1 for TEBC, TEFC, & TENV (Vector Control Mode)
- Constant Torque 20:1 for TEFC & TENV (V/f Mode Only)
- Equivalent Circuit Data on Nameplate
- Rotor Inertia (Wk^2) on Nameplate
- Large Variety of Encoder Options

Applications:

- Material Handling
- Metal Processing
- Plastic Extrusion
- Textile Processing
- Test Stands
- Winders & Slitters
- Presses
- Pumps

Warranty:

- From Date of Shipment:
36 Months



**Totally Enclosed
Fan Cooled
Vector Ready
Premium Efficiency**



Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Vector Ready motor series is designed for the extreme operational requirements of today's variable speed applications. This product line was built using the cornerstone of the Toshiba motor product offering, the EQPIII, as a base. It is built to survive in the most demanding environments requiring tight vector control such as material handling, conveyor, and machine tool as well as many other process-oriented applications. The Vector Ready motor series is specifically designed for indoor and outdoor inverter operation and is not intended for conventional across-the-line operation. This product exceeds the requirements of NEMA MG1 Part 31 Definite Purpose (inverter duty).

XT

Product Scope

Horsepower: 1 to 350 HP
 Speed: 1800 or 1200 RPM
 Voltage: 460 or 575 V
 Enclosure: Totally Enclosed Fan Cooled, Totally Enclosed Non-Ventilated & Totally Enclosed Blower Cooled
 Frame Size: 143T through N449T
 Construction: Cast Iron
 Vibration: Typically 0.08 Inches/Second or Less
 Insulation: Class F, Exceeds NEMA MG1 Part 31 Definite Purpose (Inverter Duty)

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	460	TENV	143TC	58	0014FNFB32A	1.5	84.0	6, 8	MXTVRR	\$1,548
1.5	1800	460	TENV	143TC	61	Y154FNFB32A	2.0	85.5	6, 8	MXTVRR	\$1,555
2	1800	460	TENV	145TC	62	0024FNFB32A	2.7	88.5	6, 8	MXTVRR	\$1,676
3	1800	460	TENV	182TC	94	0034FNFB32A	4.1	86.5	6, 8	MXTVRR	\$2,106
5	1800	460	TENV	184TC	106	0054FNFB32A	6.5	87.5	6, 8	MXTVRR	\$2,239
7.5	1800	460	TEFC	213TC	179	Y754FCFB32A	9.5	90.2	6	MXTVRR	\$2,622
7.5	1800	460	TENV	213TC	179	Y754FNFB32A	9.5	89.5	6, 8	MXTVRR	\$3,019
10	1800	460	TEFC	215TC	201	0104FCFB32A	12.5	90.2	6	MXTVRR	\$3,132
10	1800	460	TENV	215TC	201	0104FNFB32A	12.5	90.2	6, 8	MXTVRR	\$3,581
15	1800	460	TEFC	254TC	310	0154FCFB32A	18.0	92.4	6	MXTVRR	\$3,772
15	1800	460	TENV	254TC	310	0154FNFB32A	18.0	91.0	6, 8	MXTVRR	\$4,288
15	1200	460	TEBC	284TC	380	0156BCFB32A	19.5	91.7	6	MXTVRR	\$7,807
20	1800	460	TEFC	256TC	340	0204FCFB32A	24.0	92.4	6	MXTVRR	\$4,174
20	1200	460	TEBC	286TC	490	0206BCFB32A	25.0	91.0	6	MXTVRR	\$10,871
25	1800	460	TEFC	284T	443	0254FCFB31A	30.0	93.6	6	MXTVRR	\$5,213
25	1800	460	TEBC	284TC	443	0254BCFB32A	30.0	93.6	6	MXTVRR	\$7,286
25	1200	460	TEBC	324TC		0256BCFB32A	31.5	93.0	6	MXTVRR	\$12,707
30	1800	460	TEFC	286T	475	0304FCFB31A	35.5	92.4	6	MXTVRR	\$5,961
30	1800	460	TEBC	286TC	475	0304BCFB32A	33.5	92.4	6	MXTVRR	\$8,032
30	1200	460	TEBC	326TC		0306BCFB32A	37.5	93.0	6	MXTVRR	\$13,978

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**Totally Enclosed
 Fan Cooled
 Vector Ready
 Premium Efficiency**



HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
40	1800	460	TEFC	324T		0404FCFB31A	47.0	94.1	6	MXTVRR	\$7,668
40	1800	460	TEBC	324TC		0404BCFB32A	47.0	94.1	6	MXTVRR	\$9,563
40	1200	460	TEBC	364TC		0406BCFB32A	48.0	93.6	6	MXTVRR	\$16,863
50	1800	460	TEFC	326T		0504FCFB31A	60.0	93.6	6	MXTVRR	\$9,488
50	1800	460	TEBC	326TC		0504BCFB32A	59.5	93.6	6	MXTVRR	\$10,962
50	1200	460	TEBC	365TC		0506BCFB32A	61.0	93.0	6	MXTVRR	\$20,215
60	1800	460	TEFC	364T		0604FCFB31A	71.0	94.5	6	MXTVRR	\$12,228
60	1800	460	TEBC	364TC		0604BCFB32A	71.0	94.5	6	MXTVRR	\$13,419
60	1200	460	TEBC	404TC		0606BCFB31A	73.0	95.4	6	MXTVRR	\$22,424
75	1800	460	TEFC	365T		0754FCFB31A	89.0	95.0	6	MXTVRR	\$13,853
75	1800	460	TEBC	365TC		0754BCFB32A	89.0	95.0	6	MXTVRR	\$16,043
75	1200	460	TEBC	405T		0756BCFB31A	91.0	95.4	6	MXTVRR	\$27,322
100	1800	460	TEFC	405T		1004FCFB31A	118.0	95.4	6	MXTVRR	\$18,743
100	1800	460	TEBC	405T		1004BCFB31A	117.0	95.8	6	MXTVRR	\$22,394
100	1200	460	TEBC	444T		1006BCFB31A	123.0	95.8	6	MXTVRR	\$31,066
125	1800	460	TEFC	444T		1254FCFB31A	146.0	95.8	6	MXTVRR	\$24,376
125	1800	460	TEBC	444T		1254BCFB31A	146.0	95.8	6	MXTVRR	\$28,243
150	1800	460	TEFC	445T		1504FCFB31A	176.0	95.8	6	MXTVRR	\$28,187
150	1800	460	TEBC	445T		1504BCFB31A	175.0	96.2	6	MXTVRR	\$32,054
200	1800	460	TEFC	447T		2004FCFB31A	233.0	96.2	6	MXTVRR	\$34,086
200	1800	460	TEBC	447T		2004BCFB31A	232.0	96.2	6	MXTVRR	\$37,953
250	1800	460	TEFC	N449T		2504FCFB31A	274.0	96.2	6	MXTVRR	\$42,529
250	1800	460	TEBC	N449T		2504BCFB31A	271.0	96.5	6	MXTVRR	\$47,613
300	1800	460	TEFC	N449T		3004FCFB31A	328.0	96.2	6	MXTVRR	\$48,466
300	1800	460	TEBC	N449T		3004BCFB31A	325.0	96.5	6	MXTVRR	\$53,551
350	1800	460	TEBC	N449T		3504BCFB31A	380.0	96.5	6	MXTVRR	\$58,634

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

The VR product line is specifically designed for drive-fed applications and is not meant to be used for across-the-line applications. These motors are NEMA Design A.

The motors above offer constant torque from 0 RPM to base speed on vector drives.

On volts per hertz drives, TEFC motors are limited to 20:1 constant torque.

Constant HP operation is available up to two times the base speed on 140 through 250 frame motors, and up to one and a half times the base speed on 280 through 440 frame motors.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Toshwash SS Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled & Totally Enclosed Non-Ventilated
- Premium Efficiency
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- Multiple Dips & Bakes for Moisture Protection
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- All Stainless Steel Frame
- Stainless Steel Bearing Brackets
- Stainless Steel Fan Covers
- Stainless Steel Shaft
- Ground & Polished Shaft Seal Fits
- High Strength Double-Lip Teflon Shaft Seals
- O-Ring Seals Between the Frame & Bearing Brackets
- Double O-Ring Sealed Conduit Box
- Neoprene Lead Separator Between the Frame & Conduit Box
- Laser Engraved Nameplate to Prevent Contamination
- Removable Drain Plugs Every 90° for Universal Mounting
- C-Face Footed & Footless

Applications:

- Food Industry
- Meat Processing & Packing
- Dairy Industry
- Pharmaceutical
- Beverage & Bottling
- Canneries
- Pumps
- Blowers
- Conveyors
- Gear Reducers

Warranty:

- From Date of Shipment: 36 Months



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Totally Enclosed Fan Cooled Toshwash SS C-Face Footed Premium Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS C-Face Footed motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure remove under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.



Product Scope

- Horsepower: 1/2 to 5 HP
- Speed: 1800 or 1200 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Totally Enclosed Fan Cooled or Totally Enclosed Non-Ventilated
- Frame Size: 56C through 184TC
- Construction: Stainless Steel
- Vibration (Unfiltered): Typically 0.08 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)
- Mounting: C-Face Footed

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	460	TENV	56C	54	1/24FNWB42H	1.7/1.85	81.5	8	MXTFCT	\$2,466
0.5	1800	575	TENV	56C	54	1/24FNWC42H	0.7	81.5	8	MXTFCT	\$2,466
0.5	1200	460	TENV	56C	60	1/26FNWB42H	1.8/0.9	80.0	8	MXTFCT	\$2,814
0.5	1200	575	TENV	56C	60	1/26FNWC42H			8	MXTFCT	\$2,814
0.75	1800	460	TENV	56C	60	3/44FNWB42H	2.2/1.1	82.5	8	MXTFCT	\$2,582
0.75	1800	575	TENV	56C	60	3/44FNWC42H	0.9	82.5	8	MXTFCT	\$2,582
0.75	1200	460	TENV	56C	62	3/46FNWB42H	3/1.5	82.5	8	MXTFCT	\$2,946
0.75	1200	575	TENV	56C	62	3/46FNWC42H			8	MXTFCT	\$2,946
1	1800	460	TENV	56C	63	0014FNWB42H	3.0/1.5	84.0	8	MXTFCT	\$3,253
1	1800	575	TENV	56C	63	0014FNWC42H	1.2	84.0	8	MXTFCT	\$3,253
1	1800	460	TENV	143TC	63	0014FNWB42A	3.0/1.5	84.0	8	MXTFCT	\$3,253
1	1800	575	TENV	143TC	63	0014FNWC42A	1.2	84.0	8	MXTFCT	\$3,253
1	1200	460	TENV	56C	70	0016FNWB42H			8	MXTFCT	\$3,839
1	1200	575	TENV	56C	70	0016FNWC42H			8	MXTFCT	\$3,839
1	1200	460	TENV	145TC	70	0016FNWB42A	3.6/1.8	82.5	8	MXTFCT	\$3,839
1	1200	575	TENV	145TC	70	0016FNWC42A			8	MXTFCT	\$3,839

Totally Enclosed Fan Cooled Toswash SS C-Face Footed Premium Efficiency



XT

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1.5	1800	460	TEFC	56C	64	Y154FCWB42H	4.4/2.2	84.0		MXTFCT	\$3,702
1.5	1800	575	TEFC	56C	64	Y154FCWC42H	1.8	84.0		MXTFCT	\$3,702
1.5	1800	460	TEFC	145TC	64	Y154FCWB42A	4.4/2.2	84.0	Contact Toshiba for Availability	MXTFCT	\$3,702
1.5	1800	575	TEFC	145TC	64	Y154FCWC42A	1.8	84.0	↓	MXTFCT	\$3,702
2	1800	460	TEFC	56C	65	0024FCWB42H	5.6/2.8	84.0		MXTFCT	\$4,205
2	1800	575	TEFC	56C	65	0024FCWC42H	2.3	84.0		MXTFCT	\$4,205
2	1800	460	TEFC	145TC	65	0024FCWB42A	5.6/2.8	84.0	Contact Toshiba for Availability	MXTFCT	\$4,205
2	1800	575	TEFC	145TC	65	0024FCWC42A	2.3	84.0	↓	MXTFCT	\$4,205
3	1800	460	TEFC	182TC	108	0042FCWB42A	8.0/4.0	87.5		MXTFCT	\$5,327
3	1800	575	TEFC	182TC	108	0042FCWC42A	3.5	87.5	↓	MXTFCT	\$5,327
3	1800	460	TENV	182TC	108	0042FNWB42A	8.0/4.0	87.5		MXTFCT	\$5,327
3	1800	575	TENV	182TC	108	0042FNWC42A	3.5	87.5		MXTFCT	\$5,327
5	1800	460	TEFC	184TC	108	0054FCWB42A	12.8/6.4	87.5	Contact Toshiba for Availability	MXTFCT	\$5,720
5	1800	575	TEFC	184TC	108	0054FCWC42A	5.1	87.5	↓	MXTFCT	\$5,720

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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**Totally Enclosed
 Fan Cooled
 Toshwash SS
 C-Face Footless
 Premium Efficiency**



Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS C-Face Footless motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure remove under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.



Product Scope

- Horsepower: 1/2 to 5 HP
- Speed: 1800 or 1200 RPM
- Voltage: 230/460, 460, or 575 V
- Enclosure: Totally Enclosed Fan Cooled or Totally Enclosed Non-Ventilated
- Frame Size: 56C through 184TC
- Construction: Stainless Steel
- Vibration (Unfiltered): Typically 0.08 Inches/Second or Less
- Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)
- Mounting: C-Face Footless

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
0.5	1800	460	TENV	56C	54	1/24FNWB34H	1.7/0.85	81.5	8	MXTFCT	\$2,454
0.5	1800	575	TENV	56C	54	1/24FNWC34H	0.7	81.5	8	MXTFCT	\$2,454
0.5	1200	460	TENV	56C	58	1/26FNWB34H	1.8/0.9	80.0	8	MXTFCT	\$2,799
0.5	1200	575	TENV	56C	58	1/26FNWC34H	0.7	80.0	8	MXTFCT	\$2,799
0.75	1800	460	TENV	56C	60	3/44FNWB34H	2.2/1.1	82.5	8	MXTFCT	\$2,570
0.75	1800	575	TENV	56C	60	3/44FNWC34H	0.9	82.5	8	MXTFCT	\$2,570
0.75	1200	460	TENV	56C	62	3/46FNWB34H	3/1.5	82.5	8	MXTFCT	\$2,929
0.75	1200	575	TENV	56C	62	3/46FNWC34H	1.2	82.5	8	MXTFCT	\$2,929
1	1800	460	TENV	56C	60	0014FNWB34H	3/1.5	84.0	8	MXTFCT	\$3,241
1	1800	575	TENV	56C	60	0014FNWC34H	1.2	84.0	8	MXTFCT	\$3,241
1	1800	460	TENV	143TC	63	0014FNWB34A	3/1.5	84.0	8	MXTFCT	\$3,241
1	1800	575	TENV	143TC	63	0014FNWC34A	1.2	84.0	8	MXTFCT	\$3,241
1	1200	460	TENV	56C	80	0016FNWB34H	3.6/1.8	82.5	8	MXTFCT	\$3,824
1	1200	575	TENV	56C	80	0016FNWC34H	1.4	82.5	8	MXTFCT	\$3,824
1	1200	460	TENV	145TC	80	0016FNWB34A	3.6/1.8	82.5	8	MXTFCT	\$3,824
1	1200	575	TENV	145TC	80	0016FNWC34A	1.4	82.5	8	MXTFCT	\$3,824

Totally Enclosed Fan Cooled Toswash SS C-Face Footless Premium Efficiency



XT

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	List Price
1.5	1800	460	TEFC	56C	64	Y154FCWB34H	4.4/2.2	84.0		MXTFCT	\$3,689
1.5	1800	575	TEFC	56C	64	Y154FCWC34H	1.8	84.0		MXTFCT	\$3,689
1.5	1800	460	TEFC	145TC	64	Y154FCWB34A	4.4/2.2	84.0		MXTFCT	\$3,689
1.5	1800	575	TEFC	145TC	64	Y154FCWC34A	1.8	84.0		MXTFCT	\$3,689
1.5	1800	460	TENV	145TC	65	Y154FNWB34K	4.4/2.2	84.0	8	MXTFCT	\$3,689
1.5	1800	575	TENV	145TC	65	Y154FNWC34K	1.8	84.0	8	MXTFCT	\$3,689
1.5	1200	460	TEFC	56C	100	Y156FCWB34H	5.6/2.8	80.0		MXTFCT	\$4,353
1.5	1200	575	TEFC	56C	100	Y156FCWC34H	2.2	80.0		MXTFCT	\$4,353
1.5	1200	460	TEFC	145TC	100	Y156FCWB34A	5.6/2.8	80.0		MXTFCT	\$4,353
1.5	1200	575	TEFC	145TC	100	Y156FCWC34A	2.2	80.0		MXTFCT	\$4,353
2	1800	460	TEFC	56C	65	0024FCWB34H	5.6/2.8	84.0		MXTFCT	\$4,193
2	1800	575	TEFC	56C	65	0024FCWC34H	2.3	84.0		MXTFCT	\$4,193
2	1800	460	TEFC	145TC	65	0024FCWB34A	5.6/2.8	84.0		MXTFCT	\$4,193
2	1800	575	TEFC	145TC	65	0024FCWC34A	2.3	84.0		MXTFCT	\$4,193
2	1800	460	TENV	145TC	108	0024FNWB34K	5.6/2.8	84.0	8	MXTFCT	\$4,193
2	1800	575	TENV	145TC	108	0024FNWC34K	2.3	84.0	8	MXTFCT	\$4,193
3	1800	460	TEFC	182TC	108	0034FCWB34A	8.0/4.0	87.5		MXTFCT	\$5,315
3	1800	575	TEFC	182TC	108	0034FCWC34A	3.5	87.5		MXTFCT	\$5,315
3	1800	460	TENV	182TC	108	0034FNWB34A	8.0/4.0	87.5	8	MXTFCT	\$5,315
3	1800	575	TENV	182TC	108	0034FNWC34A	3.5	87.5	8	MXTFCT	\$5,315
5	1800	460	TEFC	184TC	108	0054FCWB34A	12.8/6.4	87.5		MXTFCT	\$5,708
5	1800	575	TEFC	184TC	108	0054FCWC34A	5.1	87.5		MXTFCT	\$5,708

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

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Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Vertical P-Base Footless Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, Vertical P-Base Footless motors are designed with the petrochemical and material processing industries in mind. These motors are built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings —leading to a longer life and greater reliability. In addition, our LP design meets API 610 specifications for chemical processing applications and all motors include a patent-pending lubrication system that provides improved flow and circulation of grease and oil for longer bearing life. The Vertical P-Base motor can be used in indoor and outdoor applications, exceeds NEMA MG1 Part 31 requirements, and is available in normal and medium thrust as well as high and premium efficiencies.

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled
- IP54 Mill & Chemical Duty
- High & NEMA Premium® Efficiency
- 460 & 575 V
- 1.15 Service Factor
- Three-Phase
- 60 Hz
- Class F Insulation
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- NEMA Design B
- All Cast Iron
- HP (Normal Thrust)
- LP (Medium Thrust)
- Positive Displacement Grease Lubrication System
- Labyrinth Seal on Top Bracket
- Base Brackets in Various Diameters
- Labyrinth-Seal Option for Drive End
- 520 to 1750 lbs. Down Thrust (Minimum L-10 at 17,500 Hours)
- Standard Grease Lubrication (Field-Modifiable for Oil-Mist Lubrication)

Applications:

- Booster Pumps
- Centrifugal Pumps
- Non-Clog pumps
- In-Line Pumps
- Vertical Turbine Pumps

Warranty:

High Efficiency

- From Date of Manufacturing: 18 Months
- From Date of Installation: 12 Months

Premium Efficiency

- From Date of Shipment: 36 Months



**Totally Enclosed Fan Cooled
Vertical P-Base Footless
Normal Thrust
Premium Efficiency**



XT

LV General Purpose CT
LV General Purpose XT
EQP Global
LV Definite Purpose CT
LV Definite Purpose XT
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HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180HP	10"	260	0032FTVB3PW-A				MXTFCV	\$3,051
3	1800	460	180HP	10"	390	0034FTVB3PW-A				MXTFCV	\$2,989
5	3600	460	180HP	10"	310	0052FTVB3PW-A				MXTFCV	\$3,941
5	1800	460	180HP	10"	490	0054FTVB3PW-A				MXTFCV	\$3,862
7.5	3600	460	210HP	10"	310	Y752FTVB3PW-A				MXTFCV	\$4,254
7.5	1800	460	210HP	10"	560	Y754FTVB3PW-A				MXTFCV	\$4,170
10	3600	460	210HP	10"	380	0102FTVB3PW-A				MXTFCV	\$4,641
10	1800	460	210HP	10"	640	0104FTVB3PW-A				MXTFCV	\$4,551
15	3600	460	250HP10	10"	760	0152FTVB3PW-A	17.0	91.7		MXTFCV	\$5,755
15	1800	460	250HP10	10"	1050	0154FTVB3PW-A	18.5	92.4		MXTFCV	\$5,965
15	1200	460	280HP10	10"	1200	0156FTVB3PW-A				MXTFCV	\$7,673
20	3600	460	250HP10	10"	750	0202FTVB3PW-A	22.0	92.4		MXTFCV	\$6,297
20	1800	460	250HP10	10"	1040	0204FTVB3PW-A	25.0	93.0		MXTFCV	\$6,801
20	1200	460	280HP10	10"	1200	0206FTVB3PW-A				MXTFCV	\$9,327
25	3600	460	280HP10	10"	740	0252FTVB3PW-A	28.0	92.4		MXTFCV	\$6,399
25	1800	460	280HP10	10"	1050	0254FTVB3PW-A	29.0	93.6		MXTFCV	\$7,289
25	1200	460	320HP16	16.5"	1335	0256FTVB3RW-A				MXTFCV	\$10,893
30	3600	460	280HP10	10"	730	0302FTVB3PW-A	33.0	92.4		MXTFCV	\$7,060
30	1800	460	280HP10	10"	1050	0304FTVB3PW-A	35.0	93.6		MXTFCV	\$8,202
30	1200	460	320HP16	16.5"	1335	0306FTVB3RW-A				MXTFCV	\$12,459
40	3600	460	320HP16	16.5"	850	0402FTVB3RW-A	46.0	93.0		MXTFCV	\$9,320
40	1800	460	320HP16	16.5"	1170	0404FTVB3RW-A	47.0	94.1		MXTFCV	\$9,770
40	1200	460	360HP16	16.5"	1335	0406FTVB3RW-A				MXTFCV	\$15,663
50	3600	460	320HP16	16.5"	830	0502FTVB3RW-A	57.0	93.0		MXTFCV	\$10,744
50	1800	460	320HP16	16.5"	1150	0504FTVB3RW-A	60.0	94.5		MXTFCV	\$11,584
50	1200	460	360HP16	16.5"	1335	0506FTVB3RW-A				MXTFCV	\$18,467
60	3600	460	360HP16	16.5"	940	0602FTVB3RW-A	70.0	93.6		MXTFCV	\$13,187
60	1800	460	360HP16	16.5"	1290	0604FTVB3RW-A	71.0	95.0		MXTFCV	\$13,761
60	1200	460	400HP16	16.5"	1690	0606FTVB3RW-A	74.0	95.0		MXTFCV	\$21,426
75	3600	460	360HP16	16.5"	930	0752FTVB3RW-A	87.0	93.6		MXTFCV	\$15,686
75	1800	460	360HP16	16.5"	1270	0754FTVB3RW-A	89.0	95.4		MXTFCV	\$15,967
75	1200	460	400HP16	16.5"	1640	0756FTVB3RW-A	91.0	95.0		MXTFCV	\$25,197
100	3600	460	400HP16	16.5"	990	1002FTVB3RW-A	114.0	95.0		MXTFCV	\$22,591
100	1800	460	400HP16	16.5"	1370	1004FTVB3RW-A	119.0	95.4		MXTFCV	\$21,511
100	1200	460	440HP16	16.5"	1780	1006FTVB3RW-A	123.0	95.4		MXTFCV	\$32,189
125	3600	460	440HP16	16.5"	1030	1251FTVB3RW-A	140.0	95.4	5	MXTFCV	\$32,781
125	1800	460	440HP16	16.5"	1480	1254FTVB3RW-A	145.0	95.8		MXTFCV	\$26,758
125	1200	460	440HP16	16.5"	1740	1256FTVB3RW-A	156.0	95.4		MXTFCV	\$38,913
150	3600	460	440HP16	16.5"	1000	1501FTVB3RW-A	169.0	95.8	5	MXTFCV	\$39,873
150	1800	460	440HP16	16.5"	1430	1504FTVB3RW-A	177.0	95.8		MXTFCV	\$32,681
150	1200	460	440HP16	16.5"	1670	1506FTVB3RW-A	182.0	95.8		MXTFCV	\$48,352
200	3600	460	440HP16	16.5"	940	2001FTVB3RW-A	225.0	95.8	5	MXTFCV	\$48,667
200	1800	460	440HP16	16.5"	1350	2004FTVB3RW-A	233.0	96.2		MXTFCV	\$45,673
200	1200	460	N449HP20	20"	1710	2006FTVB3SW-A				MXTFCV	\$65,625

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**Totally Enclosed Fan Cooled
Vertical P-Base Footless
Normal Thrust
Premium Efficiency**



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	460	N449HP20	20"	860	2501FTVB3SW-A			5	MXTFCV	\$62,889
250	1800	460	N449HP20	20"	1360	2504FTVB3SW-A				MXTFCV	\$54,687
250	1200	460	N449HP20	20"	1610	2506FTVB3SW-A	295.0	96.2		MXTFCV	\$82,030
300	3600	460	N449HP20	20"	820	3001FTVB3SW-A	328.0	95.8	5	MXTFCV	\$75,467
300	1800	460	N449HP20	20"	1340	3004FTVB3SW-A	330.0	96.2		MXTFCV	\$65,625
300	1200	460	N449HP20	20"	1570	3006FTVB3SW-A	354.0	96.2		MXTFCV	\$98,438
350	3600	460	N449HP20	20"	820	3501FTVB3SW-A	382.0	95.8	5	MXTFCV	\$88,048
350	1800	460	N449HP20	20"	1340	3504FTVB3SW-A	380.0	96.2		MXTFCV	\$76,561
350	1200	460	N449HP20	20"	1490	3506FTVB3SW-A	414.0	96.2		MXTFCV	\$114,843
400	3600	460	N449HP20	20"	820	4001FTVB3SW-A			5	MXTFCV	\$100,626
400	1800	460	N449HP20	20"	1340	4004FTVB3SW-A				MXTFCV	\$87,499

In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.

Please contact Toshiba for information on product availability.

**Totally Enclosed Fan Cooled
Vertical P-Base Footless
Medium Thrust
High Efficiency**



XT

HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180LP	10"	390	0032FTVB1PX-A				MXTFCV	\$2,426
3	1800	460	180LP	10"	635	0034FTVB1PX-A				MXTFCV	\$2,377
5	3600	460	180LP	10"	500	0052FTVB1PX-A				MXTFCV	\$3,132
5	1800	460	180LP	10"	750	0054FTVB1PX-A				MXTFCV	\$3,069
7.5	3600	460	210LP	10"	580	Y752FTVB1PX-A				MXTFCV	\$3,387
7.5	1800	460	210LP	10"	850	Y754FTVB1PX-A				MXTFCV	\$3,320
10	3600	460	210LP	10"	640	0102FTVB1PX-A				MXTFCV	\$3,687
10	1800	460	210LP	10"	900	0104FTVB1PX-A				MXTFCV	\$3,614
15	3600	460	250LP10	10"	1250	0152FTVB1PX-A				MXTFCV	\$4,604
15	1800	460	250LP10	10"	1580	0154FTVB1PX-A				MXTFCV	\$4,773
15	1200	460	280LP10	10"	2000	0156FTVB1PX-A				MXTFCV	\$6,385
20	3600	460	250LP10	10"	1240	0202FTVB1PX-A				MXTFCV	\$5,038
20	1800	460	250LP10	10"	1560	0204FTVB1PX-A				MXTFCV	\$5,440
20	1200	460	280LP10	10"	2200	0206FTVB1PX-A				MXTFCV	\$7,760
25	3600	460	280LP10	10"	1230	0252FTVB1PX-A				MXTFCV	\$5,324
25	1800	460	280LP10	10"	1570	0254FTVB1PX-A				MXTFCV	\$6,064
25	1200	460	320LP16	16.5"	2290	0256FTVB1RX-A				MXTFCV	\$9,062
30	3600	460	280LP10	10"	1220	0302FTVB1PX-A				MXTFCV	\$5,874
30	1800	460	280LP10	10"	1580	0304FTVB1PX-A				MXTFCV	\$6,823
30	1200	460	320LP16	16.5"	2380	0306FTVB1RX-A				MXTFCV	\$10,366
40	3600	460	320LP16	16.5"	1840	0402FTVB1RX-A				MXTFCV	\$7,754
40	1800	460	320LP16	16.5"	2320	0404FTVB1RX-A				MXTFCV	\$8,128
40	1200	460	360LP16	16.5"	2540	0406FTVB1RX-A				MXTFCV	\$13,575
50	3600	460	320LP16	16.5"	1830	0502FTVB1RX-A				MXTFCV	\$8,939
50	1800	460	320LP16	16.5"	2300	0504FTVB1RX-A				MXTFCV	\$9,638
50	1200	460	360LP16	16.5"	2670	0506FTVB1RX-A				MXTFCV	\$16,005
60	3600	460	360LP16	16.5"	2080	0602FTVB1RX-A				MXTFCV	\$11,429
60	1800	460	360LP16	16.5"	2610	0604FTVB1RX-A				MXTFCV	\$11,926
60	1200	460	400LP16	16.5"	3330	0606FTVB1RX-A				MXTFCV	\$18,570
75	3600	460	360LP16	16.5"	2070	0752FTVB1RX-A				MXTFCV	\$13,594
75	1800	460	360LP16	16.5"	2600	0754FTVB1RX-A				MXTFCV	\$13,837
75	1200	460	400LP16	16.5"	3280	0756FTVB1RX-A				MXTFCV	\$21,838
100	3600	460	400LP16	16.5"	2290	1002FTVB1RX-A				MXTFCV	\$19,579
100	1800	460	400LP16	16.5"	2880	1004FTVB1RX-A				MXTFCV	\$18,643
100	1200	460	440LP16	16.5"	3620	1006FTVB1RX-A				MXTFCV	\$28,550
125	3600	460	440LP16	16.5"	2480	1251FTVB1RX-A			5	MXTFCV	\$29,076
125	1800	460	440LP16	16.5"	3180	1254FTVB1RX-A				MXTFCV	\$23,733
125	1200	460	440LP16	16.5"	3580	1256FTVB1RX-A				MXTFCV	\$34,515
150	3600	460	440LP16	16.5"	2450	1501FTVB1RX-A			5	MXTFCV	\$35,365
150	1800	460	440LP16	16.5"	3130	1504FTVB1RX-A				MXTFCV	\$28,986
150	1200	460	440LP16	16.5"	3510	1506FTVB1RX-A				MXTFCV	\$42,886
200	3600	460	440LP16	16.5"	2390	2001FTVB1RX-A			5	MXTFCV	\$43,165
200	1800	460	440LP16	16.5"	3050	2004FTVB1RX-A				MXTFCV	\$40,510
200	1200	460	N449LP20	20"	3780	2006FTVB1SX-A				MXTFCV	\$57,453

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**Totally Enclosed Fan Cooled
Vertical P-Base Footless
Medium Thrust
High Efficiency**



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	460	N449LP20	20"	2490	2501FTVB1SX-A			5	MXTFCV	\$54,920
250	1800	460	N449LP20	20"	3270	2504FTVB1SX-A				MXTFCV	\$47,877
250	1200	460	N449LP20	20"	3680	2506FTVB1SX-A				MXTFCV	\$71,817
300	3600	460	N449LP20	20"	2440	3001FTVB1SX-A			5	MXTFCV	\$65,840
300	1800	460	N449LP20	20"	3250	3004FTVB1SX-A				MXTFCV	\$57,453
300	1200	460	N449LP20	20"	3630	3006FTVB1SX-A				MXTFCV	\$86,181
350	3600	460	N449LP20	20"	2440	3501FTVB1SX-A			5	MXTFCV	\$76,887
350	1800	460	N449LP20	20"	3250	3504FTVB1SX-A				MXTFCV	\$67,031
350	1200	460	N449LP20	20"	3560	3506FTVB1SX-A				MXTFCV	\$100,546
400	3600	460	N449LP20	20"	2440	4001FTVB1SX-A			5	MXTFCV	\$87,871
400	1800	460	N449LP20	20"	3250	4004FTVB1SX-A				MXTFCV	\$76,607

*In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.
Please contact Toshiba for information on product availability.*

Totally Enclosed Fan Cooled Vertical P-Base Footless Medium Thrust Premium Efficiency



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HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180LP	10"	390	0032FTVB3PX-A				MXTFCV	\$3,235
3	1800	460	180LP	10"	635	0034FTVB3PX-A				MXTFCV	\$3,170
5	3600	460	180LP	10"	500	0052FTVB3PX-A				MXTFCV	\$4,176
5	1800	460	180LP	10"	750	0054FTVB3PX-A				MXTFCV	\$4,093
7.5	3600	460	210LP	10"	580	Y752FTVB3PX-A				MXTFCV	\$4,517
7.5	1800	460	210LP	10"	850	Y754FTVB3PX-A				MXTFCV	\$4,426
10	3600	460	210LP	10"	640	0102FTVB3PX-A				MXTFCV	\$4,916
10	1800	460	210LP	10"	900	0104FTVB3PX-A				MXTFCV	\$4,818
15	3600	460	250LP10	10"	1250	0152FTVB3PX-A	17.0	91.7		MXTFCV	\$5,986
15	1800	460	250LP10	10"	1580	0154FTVB3PX-A	18.5	92.4		MXTFCV	\$6,204
15	1200	460	280LP10	10"	2000	0156FTVB3PX-A				MXTFCV	\$7,981
20	3600	460	250LP10	10"	1240	0202FTVB3PX-A	22.0	92.4		MXTFCV	\$6,549
20	1800	460	250LP10	10"	1560	0204FTVB3PX-A	25.0	93.0		MXTFCV	\$7,073
20	1200	460	280LP10	10"	2200	0206FTVB3PX-A				MXTFCV	\$9,699
25	3600	460	280LP10	10"	1230	0252FTVB3PX-A	28.0	92.4		MXTFCV	\$6,655
25	1800	460	280LP10	10"	1570	0254FTVB3PX-A	29.0	93.6		MXTFCV	\$7,581
25	1200	460	320LP16	16.5"	2290	0256FTVB3RX-A				MXTFCV	\$11,328
30	3600	460	280LP10	10"	1220	0302FTVB3PX-A	33.0	92.4		MXTFCV	\$7,342
30	1800	460	280LP10	10"	1580	0304FTVB3PX-A	35.0	93.6		MXTFCV	\$8,529
30	1200	460	320LP16	16.5"	2380	0306FTVB3RX-A				MXTFCV	\$12,957
40	3600	460	320LP16	16.5"	1840	0402FTVB3RX-A	46.0	93.0		MXTFCV	\$9,693
40	1800	460	320LP16	16.5"	2320	0404FTVB3RX-A	47.0	94.1		MXTFCV	\$10,161
40	1200	460	360LP16	16.5"	2540	0406FTVB3RX-A				MXTFCV	\$16,290
50	3600	460	320LP16	16.5"	1830	0502FTVB3RX-A	57.0	93.0		MXTFCV	\$11,174
50	1800	460	320LP16	16.5"	2300	0504FTVB3RX-A	60.0	94.5		MXTFCV	\$12,047
50	1200	460	360LP16	16.5"	2670	0506FTVB3RX-A				MXTFCV	\$19,206
60	3600	460	360LP16	16.5"	2080	0602FTVB3RX-A	70.0	93.6		MXTFCV	\$13,714
60	1800	460	360LP16	16.5"	2610	0604FTVB3RX-A	71.0	95.0		MXTFCV	\$14,311
60	1200	460	400LP16	16.5"	3330	0606FTVB3RX-A	74.0	95.0		MXTFCV	\$22,284
75	3600	460	360LP16	16.5"	2070	0752FTVB3RX-A	87.0	93.6		MXTFCV	\$16,313
75	1800	460	360LP16	16.5"	2600	0754FTVB3RX-A	89.0	95.4		MXTFCV	\$16,605
75	1200	460	400LP16	16.5"	3280	0756FTVB3RX-A	91.0	95.0		MXTFCV	\$26,205
100	3600	460	400LP16	16.5"	2290	1002FTVB3RX-A	114.0	95.0		MXTFCV	\$23,495
100	1800	460	400LP16	16.5"	2880	1004FTVB3RX-A	119.0	95.4		MXTFCV	\$22,372
100	1200	460	440LP16	16.5"	3620	1006FTVB3RX-A	123.0	95.4		MXTFCV	\$32,833
125	3600	460	440LP16	16.5"	2480	1251FTVB3RX-A	140.0	95.4	5	MXTFCV	\$33,437
125	1800	460	440LP16	16.5"	3180	1254FTVB3RX-A	145.0	95.8		MXTFCV	\$27,293
125	1200	460	440LP16	16.5"	3580	1256FTVB3RX-A	156.0	95.4		MXTFCV	\$39,692
150	3600	460	440LP16	16.5"	2450	1501FTVB3RX-A	169.0	95.8	5	MXTFCV	\$40,670
150	1800	460	440LP16	16.5"	3130	1504FTVB3RX-A	177.0	95.8		MXTFCV	\$33,334
150	1200	460	440LP16	16.5"	3510	1506FTVB3RX-A	182.0	95.8		MXTFCV	\$49,319
200	3600	460	440LP16	16.5"	2390	2001FTVB3RX-A	225.0	95.8	5	MXTFCV	\$49,640
200	1800	460	440LP16	16.5"	3050	2004FTVB3RX-A	233.0	96.2		MXTFCV	\$46,587
200	1200	460	N449LP20	20"	3780	2006FTVB3SX-A				MXTFCV	\$67,593
250	3600	460	N449LP20	20"	2490	2501FTVB3SX-A			5	MXTFCV	\$64,777
250	1800	460	N449LP20	20"	3270	2504FTVB3SX-A				MXTFCV	\$56,328
250	1200	460	N449LP20	20"	3680	2506FTVB3SX-A	295.0	96.2		MXTFCV	\$84,492

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Totally Enclosed Fan Cooled Vertical P-Base Footless Medium Thrust Premium Efficiency



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	3600	460	N449LP20	20"	2440	3001FTVB3SX-A	328.0	95.8	5	MXTFCV	\$77,733
300	1800	460	N449LP20	20"	3250	3004FTVB3SX-A	330.0	96.2		MXTFCV	\$67,593
300	1200	460	N449LP20	20"	3630	3006FTVB3SX-A	354.0	96.2		MXTFCV	\$101,391
350	3600	460	N449LP20	20"	2440	3501FTVB3SX-A	382.0	95.8	5	MXTFCV	\$90,689
350	1800	460	N449LP20	20"	3250	3504FTVB3SX-A	380.0	96.2		MXTFCV	\$78,859
350	1200	460	N449LP20	20"	3560	3506FTVB3SX-A	414.0	96.2		MXTFCV	\$118,288
400	3600	460	N449LP20	20"	2440	4001FTVB3SX-A			5	MXTFCV	\$103,642
400	1800	460	N449LP20	20"	3250	4004FTVB3SX-A				MXTFCV	\$90,124

In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.
Please contact Toshiba for information on product availability.

Medium Voltage General Purpose Series Open Enclosure Motors

XT

Toshiba's general purpose XT, medium voltage open enclosure motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These motors offer some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry – leading to a longer life and greater reliability. This motor series is recommended for indoor use.

The general purpose, XT medium voltage open enclosure motor is available in a high efficiency design with a die cast aluminum rotor and anti-friction ball bearing as standard or with optional copper bar rotor and/or sleeve bearings. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Standard Features

- Open Drip Proof, WPI, or WPII
- High Efficiency
- 2300/4160 or 4000 V, Three-Phase, 60 Hz
- 1.15 Service Factor*
- Horizontal Foot-Mounted Direct-Coupled Applications
- Class F Form-Wound Insulation
- Class B Temperature Rise at 1.0 Service Factor*
- Ingress Protection 22, 23, or 24
- Vacuum-Pressure Impregnated System
- Cast Iron Frame, End Brackets, & Main Terminal Box
- Anti-Friction Ball Bearing
- Aluminum Die Cast Rotor
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

**Except Where Noted*

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Mixers
- Material Handling
- General Applications

Warranty:

From Date of Manufacture: 18 Months*

From Date of Installation: 12 Months*

**(Whichever Comes First)*



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Open Enclosure ODP/WPI High Efficiency



Toshiba's general purpose XT, Open Drip Proof and WPI, High Efficiency motor series are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These product lines offer a high torque and low vibration design leading to longer life and greater reliability. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.



Product Scope

- Horsepower: 200 to 2000 HP
- Speed: 3600, 1800, 1200, or 900 RPM
- Voltage: 2300/4160, 4000 V
- Enclosure: Open Drip Proof: IP22
Weather-Protected Type I: IP23
- Frame Size: 445T through 5812US
- Construction: Cast Iron (Frame, End Brackets, & Main Terminal Box)
- Insulation: Class F with Class B Rise at 1.0 Service Factor
- Suitable Environments: Recommended for Indoor Use

Special Features:

- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
200	3600	2300/4160	445TS	ODP	Anti-Friction		F2002VLG3JF	47/27	92.4		MXTDPM	\$25,606
200	1800	2300/4160	445T	ODP	Anti-Friction		F2004VLF3JF	50/29	93.6		MXTDPM	\$28,328
200	1200	2300/4160	505US	ODP	Anti-Friction		F2006VLF3JF	52/31	92.6		MXTDPM	\$33,833
200	900	2300/4160	505US	ODP	Anti-Friction		F2008VLF3JF			12	MXTDPM	\$42,666
200	900	2300/4160	587US	ODP	Anti-Friction		F2008VLF3JM	49.5/28.5	93.3		MXTDPM	\$59,208
250	3600	2300/4160	505USS	ODP	Anti-Friction		F2502VLG3JF	59/33	93.0		MXTDPM	\$31,202
250	1800	2300/4160	447TS	ODP	Anti-Friction		F2504VLF3JF	58/33	94.3		MXTDPM	\$30,306
250	1200	2300/4160	505US	ODP	Anti-Friction		F2506VLF3JF	63/37	93.2		MXTDPM	\$35,051
250	900	2300/4160	509US	ODP	Anti-Friction		F2508VLF3JF				MXTDPM	\$54,773
250	900	2300/4160	5810US	ODP	Anti-Friction		F2508VLF3JM	61.6/35.5	93.5	12	MXTDPM	\$61,640
300	3600	2300/4160	505USS	ODP	Anti-Friction		F3002VLG3JF	70/39	94.1		MXTDPM	\$32,488
300	1800	2300/4160	505US	ODP	Anti-Friction		F3004VLF3JF	70/40	94.0		MXTDPM	\$32,602
300	1200	2300/4160	505US	ODP	Anti-Friction		F3006VLF3JF	71/41	94.7		MXTDPM	\$36,360
300	900	2300/4160	509US	ODP	Anti-Friction		F3008VLF3JF				MXTDPM	\$55,835
300	900	2300/4160	5810US	ODP	Anti-Friction		F3008VLF3JM	73.9/42.5	93.8	12	MXTDPM	\$62,928
350	3600	2300/4160	507USS	ODP	Anti-Friction		F3502VLG3JF	80/45	93.9		MXTDPM	\$34,373
350	1800	2300/4160	505US	ODP	Anti-Friction		F3504VLF3JF	80/44	95.1		MXTDPM	\$34,635

Open Enclosure ODP/WPI High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	2300/4160	507US	ODP	Anti-Friction		F3506VLF3JF	84/49	94.5		MXTDPM	\$39,020
350	900	2300/4160	5810US	ODP	Anti-Friction		F3508VLF3JM	86/49.4	94.1	12	MXTDPM	\$67,086
400	3600	2300/4160	507USS	ODP	Anti-Friction		F4002VLG3JF	91/51	94.6		MXTDPM	\$35,497
400	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4003WPAK11F-A	94 / 54	93.7	4, 13	MXTWP1	\$60,828
400	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4003WPAK11F-C	94 / 54	93.2	4, 12, 13	MXTWP1	\$80,802
400	3600	2300/4000	5011/12 USS	WPI	Sleeve		4003WPQK11F-A	94 / 54	93.4	4, 13	MXTWP1	\$77,235
400	3600	2300/4000	5011/12 USS	WPI	Sleeve		4003WPQK11F-C	94 / 54	93.1	4, 12, 13	MXTWP1	\$97,208
400	1800	2300/4160	507US	ODP	Anti-Friction		F4004VLF3JF	90/52	94.5		MXTDPM	\$35,673
400	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4004WPAK11E-A	95 / 55	92.9	13	MXTWP1	\$63,128
400	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4004WPAK11E-C	93 / 54	92.5	12, 13	MXTWP1	\$83,102
400	1200	2300/4160	509US	ODP	Anti-Friction		F4006VLF3JF	99/58	95.2		MXTDPM	\$47,746
400	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4006WPAK11E-A	99 / 57	92.7	13	MXTWP1	\$69,233
400	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4006WPAK11E-C	103 / 60	93.8	12, 13	MXTWP1	\$89,206
400	900	2300/4160	5810US	ODP	Anti-Friction		F4008VLF3JM	98/56.4	94.1	12	MXTDPM	\$68,253
450	3600	2300/4160	509USS	ODP	Anti-Friction		F4502VLG3JF	99/55	95.4		MXTDPM	\$38,915
450	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4503WPAK11F-A	104 / 60	94.1	4, 13	MXTWP1	\$61,262
450	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4503WPAK11F-C	104 / 60	93.6	4, 12, 13	MXTWP1	\$81,235
450	3600	2300/4000	5011/12 USS	WPI	Sleeve		4503WPQK11F-A	104 / 60	93.8	4, 13	MXTWP1	\$77,668
450	3600	2300/4000	5011/12 USS	WPI	Sleeve		4503WPQK11F-C	104 / 60	93.6	4, 12, 13	MXTWP1	\$97,642
450	1800	2300/4160	509US	ODP	Anti-Friction		F4504VLF3JF	101/56	95.5		MXTDPM	\$40,486
450	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4504WPAK11E-A	106 / 61	93.2	13	MXTWP1	\$64,031
450	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4504WPAK11E-C	101 / 58	92.7	12, 13	MXTWP1	\$84,004
450	1200	2300/4160	509US	ODP	Anti-Friction		F4506VLF3JF				MXTDPM	\$53,773
450	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4506WPAK11E-A	113 / 65	93.5	13	MXTWP1	\$70,135
450	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4506WPAK11E-C	116 / 67	94.0	12, 13	MXTWP1	\$90,108
450	900	2300/4160	5810US	ODP	Anti-Friction		F4508VLF3JM	109/63.1	94.4	12	MXTDPM	\$71,217
500	3600	2300/4160	509USS	ODP	Anti-Friction		F5002VLG3JF	110/61	94.8		MXTDPM	\$39,964
500	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		5003WPAK11F-A	114 / 66	93.9	4, 13	MXTWP1	\$62,066
500	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		5003WPAK11F-C	114 / 66	93.5	4, 12, 13	MXTWP1	\$82,040
500	3600	2300/4000	5011/12 USS	WPI	Sleeve		5003WPQK11F-A	114 / 66	93.6	4, 13	MXTWP1	\$78,473
500	3600	2300/4000	5011/12 USS	WPI	Sleeve		5003WPQK11F-C	114 / 66	93.5	4, 12, 13	MXTWP1	\$98,446
500	1800	2300/4160	509US	ODP	Anti-Friction		F5004VLF3JF	114/64	95.4		MXTDPM	\$42,000
500	1800	2300/4000	5011/12 US	WPI	Anti-Friction		5004WPAK11E-A	114 / 66	93.3	13	MXTWP1	\$64,468
500	1800	2300/4000	5011/12 US	WPI	Anti-Friction		5004WPAK11E-C	113 / 65	92.9	12, 13	MXTWP1	\$84,442
500	1200	2300/4160	509US	ODP	Anti-Friction		F5006VKF3JF			3	MXTDPM	\$54,555
500	1200	2300/4160	5810US	ODP	Anti-Friction		F5006VLF3JM	114/66.1	95.3	12	MXTDPM	\$71,884
500	1200	2300/4000	5011/12 US	WPI	Anti-Friction		5006WPAK11E-A	128 / 74	93.6	13	MXTWP1	\$70,573
500	1200	2300/4000	5011/12 US	WPI	Anti-Friction		5006WPAK11E-C	130 / 75	94.2	12, 13	MXTWP1	\$90,546
500	900	2300/4160	5810US	ODP	Anti-Friction		F5008VLF3JM	122/70	95.2	12	MXTDPM	\$74,573
600	3600	2300/4160	5011/12 USS	WPI	Anti-Friction		6003WPAK11F-A	137 / 79	94.4	4, 13	MXTWP1	\$63,755
600	3600	2300/4160	5011/12 USS	WPI	Anti-Friction		6003WPAK11F-C	137 / 79	94.1	4, 12, 13	MXTWP1	\$83,728
600	3600	2300/4160	5011/12 USS	WPI	Sleeve		6003WPQK11F-A	137 / 79	94.1	4, 13	MXTWP1	\$80,162
600	3600	2300/4160	5011/12 USS	WPI	Sleeve		6003WPQK11F-C	137 / 79	94.1	4, 12, 13	MXTWP1	\$100,135
600	1800	2300/4160	5810US	ODP	Anti-Friction		F6004VLF3JM	135/77.5	93.7	12	MXTDPM	\$79,937
600	1800	2300/4160	5011/12 US	WPI	Anti-Friction		6004WPAK11E-A	139 / 80	93.5	13	MXTWP1	\$65,391
600	1800	2300/4160	5011/12 US	WPI	Anti-Friction		6004WPAK11E-C	133 / 77	93.4	12, 13	MXTWP1	\$85,364
600	1200	2300/4160	5810US	ODP	Anti-Friction		F6006VLF3JM	137/79.4	95.4	12	MXTDPM	\$80,466

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XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1200	2300/4160	5011/12 US	WPI	Anti-Friction		6006WPAK11E-C	157 / 90	94.2	12, 13	MXTWP1	\$92,655
600	900	4000	5811/12 US	WPI	Anti-Friction		6008WPAL11E-A	93	94.3	13	MXTWP1	\$85,446
600	900	4000	5811/12 US	WPI	Anti-Friction		6008WPAL11E-C	84	94.7	12, 13	MXTWP1	\$107,322
700	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		7003WPAK11F-A	158 / 91	94.5	4, 13	MXTWP1	\$68,595
700	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		7003WPAK11F-C	158 / 91	94.3	4, 12, 13	MXTWP1	\$88,568
700	3600	2300/4000	5011/12 USS	WPI	Sleeve		7003WPQK11F-A	158 / 91	94.2	4, 13	MXTWP1	\$85,002
700	3600	2300/4000	5011/12 USS	WPI	Sleeve		7003WPQK11F-C	158 / 91	94.3	4, 12, 13	MXTWP1	\$104,975
700	1800	2300/4160	5810US	ODP	Anti-Friction		F7004VLF3JM	157/90.3	93.7	12	MXTDPM	\$82,124
700	1800	2300/4000	5011/12 US	WPI	Anti-Friction		7004WPAK11E-A	165 / 95	94.0	13	MXTWP1	\$73,031
700	1800	2300/4000	5011/12 US	WPI	Anti-Friction		7004WPAK11E-C	151 / 87	93.7	12, 13	MXTWP1	\$93,004
700	1200	2300/4160	5810US	ODP	Anti-Friction		F7006VLF3JM	160/92.1	96.1	12	MXTDPM	\$82,595
700	1200	4000	5811/12US	WPI	Anti-Friction		7006WPAK11E-A			13	MXTWP1	\$80,711
700	1200	4000	5811/12US	WPI	Anti-Friction		7006WPAK11E-C			12, 13	MXTWP1	\$102,586
700	900	4000	5811/12 US	WPI	Anti-Friction		7008WPAL11E-A	108	94.3	13	MXTWP1	\$87,502
700	900	4000	5811/12 US	WPI	Anti-Friction		7008WPAL11E-C	99	94.9	12, 13	MXTWP1	\$109,377
800	3600	4000	5811/12 USS	WPI	Anti-Friction		8003WPAL11F-A	102	95.2	4, 13	MXTWP1	\$83,813
800	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		8003WPAK11F-A	180 / 104	94.1	4, 13	MXTWP1	\$72,971
800	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		8003WPAK11F-C	180 / 104	94.1	4, 12, 13	MXTWP1	\$92,944
800	3600	2300/4000	5011/12 USS	WPI	Sleeve		8003WPQK11F-A	180 / 104	93.8	4, 13	MXTWP1	\$89,377
800	3600	2300/4000	5011/12 USS	WPI	Sleeve		8003WPQK11F-C	180 / 104	94.1	4, 12, 13	MXTWP1	\$109,351
800	1800	2300/4160	5810US	ODP	Anti-Friction		F8004VLF3JM	178/103	94.2	12	MXTDPM	\$83,871
800	1800	2300/4000	5011/12 US	WPI	Anti-Friction		8004WPAK11E-A	187 / 108	93.6	13	MXTWP1	\$77,286
800	1800	2300/4000	5011/12 US	WPI	Anti-Friction		8004WPAK11E-C	174 / 100	94.1	12, 13	MXTWP1	\$97,260
800	1200	4000	5811/12 US	WPI	Anti-Friction		8006WPAL11E-A	115	94.5	13	MXTWP1	\$88,775
800	1200	4000	5811/12 US	WPI	Anti-Friction		8006WPAL11E-C	108	94.8	12, 13	MXTWP1	\$110,651
900	3600	4000	5811/12 USS	WPI	Anti-Friction		9003WPAL11F-A	114	95.4	4, 13	MXTWP1	\$84,257
900	3600	4000	5811/12 USS	WPI	Anti-Friction		9003WPAL11F-C	110	95.8	4, 12, 13	MXTWP1	\$106,133
900	3600	4000	5811/12 USS	WPI	Sleeve		9003WPQL11F-A	114	95.3	4, 13	MXTWP1	\$101,337
900	3600	4000	5811/12 USS	WPI	Sleeve		9003WPQL11F-C	110	95.7	4, 12, 13	MXTWP1	\$123,253
900	1800	2300/4160	5810US	ODP	Anti-Friction		F9004VLF3JM	200/115	94.7	12	MXTDPM	\$85,888
900	1800	4000	5811/12 US	WPI	Anti-Friction		9005WPAL11E-A			4, 13	MXTWP1	\$85,860
900	1800	4000	5811/12 US	WPI	Anti-Friction		9005WPAL11E-C	117	95.6	4, 13	MXTWP1	\$107,735
900	1800	4000	5811/12 US	WPI	Sleeve		9005WPQL11E-A			4, 13	MXTWP1	\$102,980
900	1800	4000	5811/12 US	WPI	Sleeve		9005WPQL11E-C			4, 13	MXTWP1	\$124,856
900	1200	4000	5811/12 US	WPI	Anti-Friction		9006WPAL11E-A	124	94.5	13	MXTWP1	\$90,964
900	1200	4000	5811/12 US	WPI	Anti-Friction		9006WPAL11E-C	125	94.9	12, 13	MXTWP1	\$112,840
1000	3600	4000	5811/12 USS	WPI	Anti-Friction		M203WPAL11F-A	126	95.5	4, 13	MXTWP1	\$85,411
1000	3600	4000	5811/12 USS	WPI	Anti-Friction		M203WPAL11F-C	122	96.0	4, 12, 13	MXTWP1	\$107,287
1000	3600	4000	5811/12 USS	WPI	Sleeve		M203WPQL11F-A	126	95.4	4, 13	MXTWP1	\$102,531
1000	3600	4000	5811/12 USS	WPI	Sleeve		M203WPQL11F-C	122	95.9	4, 12, 13	MXTWP1	\$124,407
1000	1800	4000	5811/12 US	WPI	Anti-Friction		M205WPAL11E-A	128	95.4	4, 13	MXTWP1	\$87,940
1000	1800	4000	5811/12 US	WPI	Anti-Friction		M205WPAL11E-C	131	95.7	4, 12, 13	MXTWP1	\$109,815
1000	1800	4000	5811/12 US	WPI	Sleeve		M205WPQL11E-A	128	95.4	4, 13	MXTWP1	\$105,060
1000	1800	4000	5811/12 US	WPI	Sleeve		M205WPQL11E-C	131	95.6	4, 12, 13	MXTWP1	\$126,935
1000	1200	4000	5811/12 US	WPI	Anti-Friction		M206WPAL11E-A	140	94.5	13	MXTWP1	\$93,435
1000	1200	4000	5811/12 US	WPI	Anti-Friction		M206WPAL11E-C	137	94.6	12, 13	MXTWP1	\$115,311
1250	3600	4000	5811/12 USS	WPI	Anti-Friction		M253WPAL11F-A	158	95.7	4, 13	MXTWP1	\$90,124

Open Enclosure ODP/WPI High Efficiency



HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1250	3600	4000	5811/12 USS	WPI	Anti-Friction		M253WPAL11F-C	153	96.2	4, 12, 13	MXTWP1	\$112,000
1250	3600	4000	5811/12 USS	WPI	Sleeve		M253WPQL11F-A	158	95.6	4, 13	MXTWP1	\$107,244
1250	3600	4000	5811/12 USS	WPI	Sleeve		M253WPQL11F-C	153	96.1	4, 12, 13	MXTWP1	\$129,120
1250	1800	4000	5811/12 US	WPI	Anti-Friction		M255WPAL11E-A	159	95.5	4, 13	MXTWP1	\$94,044
1250	1800	4000	5811/12 US	WPI	Anti-Friction		M255WPAL11E-C	162	95.9	4, 12, 13	MXTWP1	\$115,920
1250	1800	4000	5811/12 US	WPI	Sleeve		M255WPQL11E-A	159	95.5	4, 13	MXTWP1	\$111,164
1250	1800	4000	5811/12 US	WPI	Sleeve		M255WPQL11E-C	162	95.8	4, 12, 13	MXTWP1	\$133,040
1500	3600	4000	5811/12 USS	WPI	Anti-Friction		M303WPAL11F-A	189	95.8	4, 13	MXTWP1	\$94,537
1500	3600	4000	5811/12 USS	WPI	Anti-Friction		M303WPAL11F-C	183	96.2	4, 12, 13	MXTWP1	\$116,413
1500	3600	4000	5811/12 USS	WPI	Sleeve		M303WPQL11F-A	189	95.7	4, 13	MXTWP1	\$111,657
1500	3600	4000	5811/12 USS	WPI	Sleeve		M303WPQL11F-C	183	96.1	4, 12, 13	MXTWP1	\$133,533
1500	1800	4000	5811/12 US	WPI	Anti-Friction		M305WPAL11E-A	189	95.6	4, 13	MXTWP1	\$97,393
1500	1800	4000	5811/12 US	WPI	Anti-Friction		M305WPAL11E-C	193	96.0	4, 12, 13	MXTWP1	\$119,268
1500	1800	4000	5811/12 US	WPI	Sleeve		M305WPQL11E-A	189	95.6	4, 13	MXTWP1	\$114,513
1500	1800	4000	5811/12 US	WPI	Sleeve		M305WPQL11E-C	193	95.9	4, 12, 13	MXTWP1	\$136,388
1750	3600	4000	5811/12 USS	WPI	Anti-Friction		M353WPAL11F-A	224	95.8	4, 13	MXTWP1	\$97,657
1750	3600	4000	5811/12 USS	WPI	Anti-Friction		M353WPAL11F-C	216	96.1	4, 12, 13	MXTWP1	\$119,533
1750	3600	4000	5811/12 USS	WPI	Sleeve		M353WPQL11F-A	224	95.6	4, 13	MXTWP1	\$114,777
1750	3600	4000	5811/12 USS	WPI	Sleeve		M353WPQL11F-C	216	95.9	4, 12, 13	MXTWP1	\$136,653
1750	1800	4000	5811/12 US	WPI	Anti-Friction		M355WPAL11E-A	221	95.5	4, 13	MXTWP1	\$99,142
1750	1800	4000	5811/12 US	WPI	Anti-Friction		M355WPAL11E-C	227	95.8	4, 12, 13	MXTWP1	\$121,017
1750	1800	4000	5811/12 US	WPI	Sleeve		M355WPQL11E-A	221	95.5	4, 13	MXTWP1	\$116,262
1750	1800	4000	5811/12 US	WPI	Sleeve		M355WPQL11E-C	227	95.7	4, 12, 13	MXTWP1	\$138,137
2000	3600	4000	5811/12 USS	WPI	Anti-Friction		M403WPAL11F-A	253	95.8	4, 13	MXTWP1	\$101,213
2000	3600	4000	5811/12 USS	WPI	Anti-Friction		M403WPAL11F-C	245	96.1	4, 12, 13	MXTWP1	\$123,088
2000	3600	4000	5811/12 USS	WPI	Sleeve		M403WPQL11F-A	253	95.7	4, 13	MXTWP1	\$118,333
2000	3600	4000	5811/12 USS	WPI	Sleeve		M403WPQL11F-C	245	96.0	4, 12, 13	MXTWP1	\$140,208

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

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- LV General Purpose XT
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Open Enclosure WP11 High Efficiency



Toshiba's general purpose XT, Medium Voltage WP11, High Efficiency motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. This product line offers a high torque and low vibration design leading to longer life and greater reliability. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.



Product Scope

- Horsepower: 400 to 1750 HP
- Speed: 3600, 1800, 1200, or 900 RPM
- Voltage: 2300/4160, 4000 V
- Enclosure: Weather-Protected Type II: IP24
- Frame Size: 5011/12US through 5811/12US
- Construction: Cast Iron (Frame, End Brackets, & Main Terminal Box)
- Insulation: Class F with Class B Rise at 1.0 Service Factor
- Suitable Environments: Indoor or Outdoor Use

Special Features:

- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4003WTAK11F-A	94 / 54	93.6	4	MXTWP2	\$61,564
400	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4003WTAK11F-C	94 / 54	92.9	4, 12	MXTWP2	\$81,537
400	3600	2300/4000	5011/12 USS	WP11	Sleeve		4003WTQK11F-A	94 / 54	93.5	4	MXTWP2	\$77,971
400	3600	2300/4000	5011/12 USS	WP11	Sleeve		4003WTQK11F-C	94 / 54	93.3	4, 12	MXTWP2	\$97,944
400	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4004WTAK11E-A	94 / 54	92.8		MXTWP2	\$63,913
400	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4004WTAK11E-C	89 / 51	92.5	12	MXTWP2	\$80,320
400	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4006WTAK11E-A	97 / 56	92.6		MXTWP2	\$72,808
400	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4006WTAK11E-C	103 / 60	93.8	12	MXTWP2	\$92,782
400	900	4000	5811/12 US	WP11	Anti-Friction		4008WTAL11E-A				MXTWP2	\$78,713
400	900	4000	5811/12 US	WP11	Anti-Friction		4008WTAL11E-C			12	MXTWP2	\$100,589
450	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4503WTAK11F-A	104 / 60	94.0	4	MXTWP2	\$62,573
450	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4503WTAK11F-C	104 / 60	93.4	4, 12	MXTWP2	\$82,546
450	3600	2300/4000	5011/12 USS	WP11	Sleeve		4503WTQK11F-A	104 / 60	93.9	4	MXTWP2	\$78,980
450	3600	2300/4000	5011/12 USS	WP11	Sleeve		4503WTQK11F-C	104 / 60	93.7	4, 12	MXTWP2	\$98,953
450	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4504WTAK11E-A	106 / 61	93.1		MXTWP2	\$65,397
450	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4504WTAK11E-C	103 / 59	92.7	12	MXTWP2	\$85,371

Open Enclosure WP11

High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4506WTAK11E-A	113 / 65	93.4		MXTWP2	\$74,464
450	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4506WTAK11E-C	116 / 67	94.0	12	MXTWP2	\$94,437
450	900	4000	5811/12 US	WP11	Anti-Friction		4508WTAL11E-A				MXTWP2	\$81,282
450	900	4000	5811/12 US	WP11	Anti-Friction		4508WTAL11E-C	61	94.4	12	MXTWP2	\$103,157
500	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		5003WTAK11F-A	114 / 66	93.8	4	MXTWP2	\$64,680
500	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		5003WTAK11F-C	114 / 66	93.3	4, 12	MXTWP2	\$84,653
500	3600	2300/4000	5011/12 USS	WP11	Sleeve		5003WTQK11F-A	114 / 66	93.7	4	MXTWP2	\$81,086
500	3600	2300/4000	5011/12 USS	WP11	Sleeve		5003WTQK11F-C	114 / 66	93.6	4, 12	MXTWP2	\$101,060
500	1800	2300/4000	5011/12 US	WP11	Anti-Friction		5004WTAK11E-A	114 / 66	93.2		MXTWP2	\$67,486
500	1800	2300/4000	5011/12 US	WP11	Anti-Friction		5004WTAK11E-C	112 / 65	92.9	12	MXTWP2	\$87,460
500	1200	2300/4000	5011/12 US	WP11	Anti-Friction		5006WTAK11E-A	126 / 73	93.5		MXTWP2	\$77,740
500	1200	2300/4000	5011/12 US	WP11	Anti-Friction		5006WTAK11E-C	130 / 75	94.2	12	MXTWP2	\$97,713
500	900	4000	5811/12 US	WP11	Anti-Friction		5008WTAL11E-A				MXTWP2	\$83,666
500	900	4000	5811/12 US	WP11	Anti-Friction		5008WTAL11E-C	69	94.8	12	MXTWP2	\$105,542
600	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		6003WTAK11F-A	137 / 79	94.3	4	MXTWP2	\$67,386
600	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		6003WTAK11F-C	137 / 69	93.9	4, 12	MXTWP2	\$87,360
600	3600	2300/4000	5011/12 USS	WP11	Sleeve		6003WTQK11F-A	137 / 79	94.2	4	MXTWP2	\$83,793
600	3600	2300/4000	5011/12 USS	WP11	Sleeve		6003WTQK11F-C	137 / 69	94.2	4, 12	MXTWP2	\$103,766
600	1800	2300/4000	5011/12 US	WP11	Anti-Friction		6004WTAK11E-A	137 / 79	93.4		MXTWP2	\$68,775
600	1800	2300/4000	5011/12 US	WP11	Anti-Friction		6004WTAK11E-C	130 / 75	93.4	12	MXTWP2	\$88,748
600	1200	4000	5811/12 US	WP11	Anti-Friction		6006WTAL11E-A				MXTWP2	\$83,242
600	1200	4000	5811/12 US	WP11	Anti-Friction		6006WTAL11E-C			12	MXTWP2	\$105,117
600	900	4000	5811/12 US	WP11	Anti-Friction		6008WTAL11E-A				MXTWP2	\$88,702
600	900	4000	5811/12 US	WP11	Anti-Friction		6008WTAL11E-C	84	94.7	12	MXTWP2	\$110,577
700	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		7003WTAK11F-A	159 / 92	94.4	4	MXTWP2	\$72,224
700	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		7003WTAK11F-C	158 / 91	94.2	4, 12	MXTWP2	\$92,197
700	3600	2300/4000	5011/12 USS	WP11	Sleeve		7003WTQK11F-A	159 / 92	94.3	4	MXTWP2	\$88,631
700	3600	2300/4000	5011/12 USS	WP11	Sleeve		7003WTQK11F-C	158 / 91	94.4	4, 12	MXTWP2	\$108,604
700	1800	2300/4000	5011/12 US	WP11	Anti-Friction		7004WTAK11E-A	165 / 95	93.9		MXTWP2	\$73,646
700	1800	2300/4000	5011/12 US	WP11	Anti-Friction		7004WTAK11E-C	151 / 87	93.7	12	MXTWP2	\$93,620
700	1200	4000	5811/12 US	WP11	Anti-Friction		7006WTAL11E-A	100	94.5		MXTWP2	\$84,095
700	1200	4000	5811/12 US	WP11	Anti-Friction		7006WTAL11E-C			12	MXTWP2	\$105,971
700	900	4000	5811/12 US	WP11	Anti-Friction		7008WTAL11E-A				MXTWP2	\$91,191
700	900	4000	5811/12 US	WP11	Anti-Friction		7008WTAL11E-C	99	94.9	12	MXTWP2	\$113,066
800	3600	4000	5811/12 USS	WP11	Anti-Friction		8003WTAL11F-A	102	95.2	4	MXTWP2	\$79,104
800	3600	4000	5811/12 USS	WP11	Anti-Friction		8003WTAL11F-C	99	95.6	4, 12	MXTWP2	\$100,980
800	3600	4000	5811/12 USS	WP11	Sleeve		8003WTQL11F-A	0	0.0	4	MXTWP2	\$96,224
800	3600	4000	5811/12 USS	WP11	Sleeve		8003WTQL11F-C	0	0.0	4, 12	MXTWP2	\$118,100
800	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		8003WTAK11F-A	182 / 105	94.0	4	MXTWP2	\$75,333
800	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		8003WTAK11F-C	178 / 103	94.0	4, 12	MXTWP2	\$95,306
800	1800	2300/4000	5011/12 US	WP11	Anti-Friction		8004WTAK11E-A	185 / 107	93.5	3	MXTWP2	\$77,113
800	1800	4000	5811/12 US	WP11	Anti-Friction		8005WTAL11E-A			4	MXTWP2	\$82,726
800	1800	4000	5811/12 US	WP11	Anti-Friction		8005WTAL11E-C			4, 12	MXTWP2	\$104,602
800	1800	4000	5811/12 US	WP11	Sleeve		8005WTQL11E-A			4	MXTWP2	\$99,846
800	1800	4000	5811/12 US	WP11	Sleeve		8005WTQL11E-C			4, 12	MXTWP2	\$121,722
800	1200	4000	5811/12 US	WP11	Anti-Friction		8006WTAL11E-A	115	94.5		MXTWP2	\$92,351
800	1200	4000	5811/12 US	WP11	Anti-Friction		8006WTAL11E-C			4, 12	MXTWP2	\$114,226

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Appendices

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
900	3600	4000	5811/12 USS	WP11	Anti-Friction		9003WTAL11F-A	114	95.4	4	MXTWP2	\$85,080
900	3600	4000	5811/12 USS	WP11	Anti-Friction		9003WTAL11F-C	110	95.8	4, 12	MXTWP2	\$106,955
900	3600	4000	5811/12 USS	WP11	Sleeve		9003WTQL11F-A			4	MXTWP2	\$103,200
900	3600	4000	5811/12 USS	WP11	Sleeve		9003WTQL11F-C			4, 12	MXTWP2	\$124,075
900	1800	4000	5811/12 US	WP11	Anti-Friction		9005WTAL11E-A	114	95.5	4	MXTWP2	\$87,568
900	1800	4000	5811/12 US	WP11	Anti-Friction		9005WTAL11E-C			4, 12	MXTWP2	\$109,444
900	1800	4000	5811/12 US	WP11	Sleeve		9005WTQL11E-A			4	MXTWP2	\$104,688
900	1800	4000	5811/12 US	WP11	Sleeve		9005WTQL11E-C			4, 12	MXTWP2	\$126,564
900	1200	4000	5811/12 US	WP11	Anti-Friction		9006WTAL11E-A	124	94.5		MXTWP2	\$94,597
900	1200	4000	5811/12 US	WP11	Anti-Friction		9006WTAL11E-C			12	MXTWP2	\$116,473
1000	3600	4000	5811/12 USS	WP11	Anti-Friction		M203WTAL11F-A	126	95.5	4	MXTWP2	\$89,797
1000	3600	4000	5811/12 USS	WP11	Anti-Friction		M203WTAL11F-C	122	96.0	4, 12	MXTWP2	\$111,673
1000	3600	4000	5811/12 USS	WP11	Sleeve		M203WTQL11F-A			4	MXTWP2	\$106,917
1000	3600	4000	5811/12 USS	WP11	Sleeve		M203WTQL11F-C			4, 12	MXTWP2	\$128,793
1000	1800	4000	5811/12 US	WP11	Anti-Friction		M205WTAL11E-A	126	95.6	4	MXTWP2	\$91,248
1000	1800	4000	5811/12 US	WP11	Anti-Friction		M205WTAL11E-C			4, 12	MXTWP2	\$113,124
1000	1800	4000	5811/12 US	WP11	Sleeve		M205WTQL11E-A			4	MXTWP2	\$108,368
1000	1800	4000	5811/12 US	WP11	Sleeve		M205WTQL11E-C			4, 12	MXTWP2	\$130,244
1000	1200	4000	5811/12 US	WP11	Anti-Friction		M206WTAL11E-A	135	94.5		MXTWP2	\$97,240
1000	1200	4000	5811/12 US	WP11	Anti-Friction		M206WTAL11E-C			12	MXTWP2	\$119,115
1250	3600	4000	5811/12 USS	WP11	Anti-Friction		M253WTAL11F-A	158	95.7	4	MXTWP2	\$93,746
1250	3600	4000	5811/12 USS	WP11	Anti-Friction		M253WTAL11F-C	153	96.2	4, 12	MXTWP2	\$115,622
1250	3600	4000	5811/12 USS	WP11	Sleeve		M253WTQL11F-A			4	MXTWP2	\$110,866
1250	3600	4000	5811/12 USS	WP11	Sleeve		M253WTQL11F-C			4, 12	MXTWP2	\$132,742
1250	1800	4000	5811/12 US	WP11	Anti-Friction		M255WTAL11E-A	157	95.7	4	MXTWP2	\$97,602
1250	1800	4000	5811/12 US	WP11	Anti-Friction		M255WTAL11E-C			4, 12	MXTWP2	\$119,477
1250	1800	4000	5811/12 US	WP11	Sleeve		M255WTQL11E-A			4	MXTWP2	\$114,722
1250	1800	4000	5811/12 US	WP11	Sleeve		M255WTQL11E-C			4, 12	MXTWP2	\$136,597
1500	3600	4000	5811/12 USS	WP11	Anti-Friction		M303WTAL11F-A	189	95.8	4	MXTWP2	\$98,457
1500	3600	4000	5811/12 USS	WP11	Anti-Friction		M303WTAL11F-C	183	96.2	4, 12	MXTWP2	\$120,333
1500	3600	4000	5811/12 USS	WP11	Sleeve		M303WTQL11F-A			4	MXTWP2	\$115,577
1500	3600	4000	5811/12 USS	WP11	Sleeve		M303WTQL11F-C			4, 12	MXTWP2	\$137,453
1500	1800	4000	5811/12 US	WP11	Anti-Friction		M305WTAL11E-A	189	95.7	4	MXTWP2	\$100,988
1500	1800	4000	5811/12 US	WP11	Anti-Friction		M305WTAL11E-C			4, 12	MXTWP2	\$122,864
1500	1800	4000	5811/12 US	WP11	Sleeve		M305WTQL11E-A			4	MXTWP2	\$118,108
1500	1800	4000	5811/12 US	WP11	Sleeve		M305WTQL11E-C			4, 12	MXTWP2	\$139,984
1750	3600	4000	5811/12 USS	WP11	Anti-Friction		M353WTAL11F-A	224	95.8	4	MXTWP2	\$102,071
1750	3600	4000	5811/12 USS	WP11	Anti-Friction		M353WTAL11F-C	216	96.0	4, 12	MXTWP2	\$123,946
1750	3600	4000	5811/12 USS	WP11	Sleeve		M353WTQL11F-A			4	MXTWP2	\$119,191
1750	3600	4000	5811/12 USS	WP11	Sleeve		M353WTQL11F-C			4, 12	MXTWP2	\$141,066
2000	3600	4000	5811/12 USS	WP11	Anti-Friction		M403WTAL11F-A			4	MXTWP2	\$108,041
2000	3600	4000	5811/12 USS	WP11	Anti-Friction		M403WTAL11F-C			4, 12	MXTWP2	\$129,916
2000	3600	4000	5811/12 USS	WP11	SLEEVE		M403WTQL11F-A			4	MXTWP2	\$125,161
2000	3600	4000	5811/12 USS	WP11	SLEEVE		M403WTQL11F-C			4, 12	MXTWP2	\$147,036

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Medium Voltage General Purpose Series

XT

Totally Enclosed Fan Cooled Motors

Toshiba's general purpose XT, medium voltage totally enclosed fan cooled motor offering includes our core medium voltage motor product, the Dura-Bull TX and our air-to-air cooled motor with top hat design. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Dura-Bull TX

Toshiba's Dura-Bull TX, is designed and made in Texas and offers a multitude of features and options allowing you to customize the motor to your needs. Designed for indoor or outdoor use, its rugged, total cast iron construction, high torque, high efficiency, and unique multi-mount capability make the Dura-Bull the perfect choice for tough applications, where reliability and durability are essential for minimizing down time and maximizing production. Whether your need includes copper or die-cast aluminum rotors, anti-friction, or sleeve bearings, the Dura-Bull TX can provide the solution.



Air-to-Air Cooled Motor with Top Hat Design

The high efficiency top hat design Totally Enclosed Air-to-Air Cooled (TEAAC) motor allows for higher horsepower capability. Designed for indoor and outdoor use, this motor series offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry --leading to a longer life and greater reliability.



Standard Features:

- Totally Enclosed Fan Cooled
- High Efficiency
- 2300/4160 or 4000 V, Three-Phase, 60 Hz
- 1.15 Service Factor*
- Horizontal Foot-Mounted Direct-Coupled Applications
- Class F Form-Wound Insulation
- Class B Temperature Rise at 1.0 Service Factor*
- Ingress Protection 44 or 55
- Vacuum-Pressure Impregnated System
- Cast Iron Frame, End Brackets
- Cast Iron Terminal Box on TEFC Dura-Bull TX
- Anti-Friction Ball Bearing
- Aluminum Die Cast Rotor
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- Mixers
- General Applications

Warranty:

- From Date of Manufacture: 18 Months
- From Date of Installation: 12 Months

*Except Where Noted

Totally Enclosed Fan Cooled High Efficiency



Toshiba's general purpose XT, medium voltage totally enclosed fan cooled motor offering includes our core medium voltage motor product, the Dura-Bull TX and our air-to-air cooled motor with top hat design. Designed to meet the industry's ever-increasing need for improved energy conservation and product performance, these product lines offer exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

Toshiba's medium voltage motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Product Scope

Horsepower:	100 to 1250 HP
Speed:	3600, 1800, 1200, or 900 RPM
Voltage:	2300/4160, 4000 V
Enclosure:	Totally Enclosed Fan Cooled or Air-to-Air Cooled
Frame Size:	N449T through 5811/12US
Construction:	Cast Iron (Frame, End Brackets, & Main Terminal Box)
Insulation:	Class F with Class B Rise at 1.0 Service Factor
Suitable	
Environments:	Indoor or Outdoor

Special Features:

Dura-Bull TX:

- Multi-Mount Capability 5009/10/11US or 5809/10/11US
- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Main T-Box Capable of F1 or F2 Field-Mounting; Top-Mount (F3) Available as Option
- Cartridge-Type Field-Replaceable Grease Outlet
- Includes:
 - Winding Stator RTDs (100 Ω; Two per Phase)
 - Space Heaters (120 V Single-Phase)
 - Provisions for Bearing RTDs
 - Provisions for Vertical Jacking Screws
 - Insulated Non-Drive-End Bearing
- Additional Options Available; See Catalog Production Modifications Section

Totally Enclosed Air-to-Air Cooled:

- Multi-Mount Capability or 5811/12US
- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

Totally Enclosed Fan Cooled High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	3600	2300/4000	N449TS	TEFC	Anti-Friction		1003FCAK11B-A	24 / 14	91.8	4	MXTFCM	\$39,973
100	1800	2300/4000	N449T	TEFC	Anti-Friction		1004FCAK11A-A	24 / 14	93.0		MXTFCM	\$39,357
100	1800	2300/4000	N449TS	TEFC	Anti-Friction		1004FCAK11B-A	24 / 14	93.0		MXTFCM	\$39,357
100	1200	2300/4000	N449T	TEFC	Anti-Friction		1006FCAK11A-A	25 / 15	94.1		MXTFCM	\$48,271
100	1200	2300/4000	N449TS	TEFC	Anti-Friction		1006FCAK11B-A	25 / 15	94.1		MXTFCM	\$48,271
125	3600	2300/4000	N449TS	TEFC	Anti-Friction		1253FCAK11B-A	29 / 17	92.4	4	MXTFCM	\$40,588
125	1800	2300/4000	N449T	TEFC	Anti-Friction		1254FCAK11A-A	31 / 18	93.8		MXTFCM	\$39,973
125	1800	2300/4000	N449TS	TEFC	Anti-Friction		1254FCAK11B-A	31 / 18	93.8		MXTFCM	\$39,973
125	1200	2300/4000	N449T	TEFC	Anti-Friction		1256FCAK11A-A	31 / 18	95.0		MXTFCM	\$48,895
125	1200	2300/4000	N449TS	TEFC	Anti-Friction		1256FCAK11B-A	31 / 18	95.0		MXTFCM	\$48,895
150	3600	2300/4000	N449TS	TEFC	Anti-Friction		1503FCAK11B-A	35 / 20	93.0	4	MXTFCM	\$41,486
150	1800	2300/4000	N449T	TEFC	Anti-Friction		1504FCAK11A-A	36 / 21	94.4		MXTFCM	\$41,073
150	1800	2300/4000	N449TS	TEFC	Anti-Friction		1504FCAK11B-A	36 / 21	94.4		MXTFCM	\$41,073
150	1200	2300/4000	N449T	TEFC	Anti-Friction		1506FCAK11A-A	36 / 21	95.1		MXTFCM	\$49,822
150	1200	2300/4000	N449TS	TEFC	Anti-Friction		1506FCAK11B-A	36 / 21	95.1		MXTFCM	\$49,822
200	3600	2300/4000	N449TS	TEFC	Anti-Friction		2003FCAK11B-A	45 / 27	93.7	4	MXTFCM	\$44,046
200	1800	2300/4000	N449T	TEFC	Anti-Friction		2004FCAK11A-A	47 / 27	95.0		MXTFCM	\$42,331
200	1800	2300/4000	N449TS	TEFC	Anti-Friction		2004FCAK11B-A	47 / 27	95.0		MXTFCM	\$42,331
200	1200	2300/4000	N449T	TEFC	Anti-Friction		2006FCAK11A-A	48 / 28	95.4		MXTFCM	\$51,215
200	1200	2300/4000	N449TS	TEFC	Anti-Friction		2006FCAK11B-A	48 / 28	95.4		MXTFCM	\$51,215
200	900	4000	5009/10/11 US	TEFC	Anti-Friction		2008FTAL11E-A			11	MXTFCM	\$55,428
250	3600	2300/4000	N449TS	TEFC	Anti-Friction		2503FCAK11B-A	57 / 33	94.5	4	MXTFCM	\$45,226
250	1800	2300/4000	N449T	TEFC	Anti-Friction		2504FCAK11A-A	59 / 34	95.5		MXTFCM	\$43,773
250	1800	2300/4000	N449TS	TEFC	Anti-Friction		2504FCAK11B-A	59 / 34	95.5		MXTFCM	\$43,773
250	1200	2300/4000	N449T	TEFC	Anti-Friction		2506FCAK11A-A	61 / 35	95.8		MXTFCM	\$52,582
250	1200	2300/4000	N449TS	TEFC	Anti-Friction		2506FCAK11B-A	61 / 35	95.8		MXTFCM	\$52,582
250	1200	4000	5009/10/11 US	TEFC	Anti-Friction		2506FTAL11E-A			11	MXTFCM	\$54,684
250	900	4000	5009/10/11 US	TEFC	Anti-Friction		2508FTAL11E-A			11	MXTFCM	\$55,943
300	3600	2300/4000	N449TS	TEFC	Anti-Friction		3003FCAK11B-A	69 / 40	95.1	4	MXTFCM	\$46,386
300	1800	2300/4000	N449T	TEFC	Anti-Friction		3004FCAK11A-A	71 / 41	95.8		MXTFCM	\$45,628
300	1800	2300/4000	N449TS	TEFC	Anti-Friction		3004FCAK11B-A	71 / 41	95.8		MXTFCM	\$45,628
300	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3004FTAL11E-A			11	MXTFCM	\$47,804
300	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3004FTAL11E-C			11, 12	MXTFCM	\$67,777
300	1800	4000	5009/10/11 US	TEFC	SLEEVE		3004FTQL11E-A			11	MXTFCM	\$64,211
300	1800	4000	5009/10/11 US	TEFC	SLEEVE		3004FTQL11E-C			11, 12	MXTFCM	\$84,184
300	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3006FTAL11E-A			11	MXTFCM	\$55,460
300	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3006FTAL11E-C			11, 12	MXTFCM	\$75,433
300	900	4000	5009/10/11 US	TEFC	Anti-Friction		3008FTAL11E-A			11	MXTFCM	\$58,815
350	3600	2300/4000	N449TS	TEFC	Anti-Friction		3503FCAK11B-A	83 / 48	93.7	4, 14	MXTFCM	\$47,626
350	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		3503FTAL11F-A			4, 11	MXTFCM	\$49,304
350	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		3503FTAL11F-C			4, 11, 12	MXTFCM	\$69,277
350	3600	4000	5009/10/11 USS	TEFC	SLEEVE		3503FTQL11F-A			4, 11	MXTFCM	\$65,711
350	3600	4000	5009/10/11 USS	TEFC	SLEEVE		3503FTQL11F-C	44	95.0	4, 11, 12	MXTFCM	\$85,684
350	1800	2300/4000	N449T	TEFC	Anti-Friction		3504FCAK11A-A	83 / 48	96.0		MXTFCM	\$46,162
350	1800	2300/4000	N449TS	TEFC	Anti-Friction		3504FCAK11B-A	83 / 48	96.0		MXTFCM	\$46,162
350	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3504FTAL11E-A			11	MXTFCM	\$48,600
350	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3504FTAL11E-C			11, 12	MXTFCM	\$68,573

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XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1800	4000	5009/10/11 US	TEFC	SLEEVE		3504FTQL11E-A			11	MXTFCM	\$65,006
350	1800	4000	5009/10/11 US	TEFC	SLEEVE		3504FTQL11E-C	44	93.7	11, 12	MXTFCM	\$84,980
350	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3506FTAL11E-A			11	MXTFCM	\$56,228
350	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3506FTAL11E-C			11, 12	MXTFCM	\$76,202
350	900	4000	5809/10/11 US	TEFC	Anti-Friction		3508FTAL11E-A			11	MXTFCM	\$69,144
400	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4003FTAL11F-A			4, 11	MXTFCM	\$53,964
400	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4003FTAL11F-C			4, 11, 12	MXTFCM	\$73,937
400	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4003FTQL11F-A			4, 11	MXTFCM	\$70,371
400	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4003FTQL11F-C	50	94.4	4, 11, 12	MXTFCM	\$90,344
400	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4004FTAL11E-A			11	MXTFCM	\$55,164
400	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4004FTAL11E-C			11, 12	MXTFCM	\$75,137
400	1800	4000	5009/10/11 US	TEFC	SLEEVE		4004FTQL11E-A			11	MXTFCM	\$71,571
400	1800	4000	5009/10/11 US	TEFC	SLEEVE		4004FTQL11E-C	50	94.1	11, 12	MXTFCM	\$91,544
400	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4006FTAL11E-A			11	MXTFCM	\$58,282
400	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4006FTAL11E-C			11, 12	MXTFCM	\$78,255
400	900	4000	5809/10/11 US	TEFC	Anti-Friction		4008FTAL11E-A			11	MXTFCM	\$72,760
450	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4503FTAL11F-A			4, 11	MXTFCM	\$55,773
450	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4503FTAL11F-C			4, 11, 12	MXTFCM	\$75,746
450	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4503FTQL11F-A			4, 11	MXTFCM	\$72,180
450	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4503FTQL11F-C	56	94.6	4, 11, 12	MXTFCM	\$92,153
450	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4504FTAL11E-A			11	MXTFCM	\$58,435
450	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4504FTAL11E-C			11, 12	MXTFCM	\$78,408
450	1800	4000	5009/10/11 US	TEFC	SLEEVE		4504FTQL11E-A			11	MXTFCM	\$74,842
450	1800	4000	5009/10/11 US	TEFC	SLEEVE		4504FTQL11E-C	56	94.1	11, 12	MXTFCM	\$94,815
450	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4506FTAL11E-A			11	MXTFCM	\$62,973
450	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4506FTAL11E-C			11, 12	MXTFCM	\$84,344
450	900	4000	5809/10/11 US	TEFC	Anti-Friction		4508FTAL11E-A			11	MXTFCM	\$75,402
450	900	4000	5811/12 US	TEAAC	Anti-Friction		4508TCAL11E-A	68	93.6	15	MXTAAM	\$101,688
450	900	4000	5811/12 US	TEAAC	Anti-Friction		4508TCAL11E-C	63	93.9	12, 15	MXTAAM	\$123,564
500	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		5003FTAL11F-A			4, 11	MXTFCM	\$69,084
500	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		5003FTAL11F-C			4, 11, 12	MXTFCM	\$90,960
500	3600	4000	5809/10/11 USS	TEFC	SLEEVE		5003FTQL11F-A			4, 11	MXTFCM	\$86,204
500	3600	4000	5809/10/11 USS	TEFC	SLEEVE		5003FTQL11F-C	62	94.9	4, 11, 12	MXTFCM	\$108,080
500	1800	4000	5009/10/11 US	TEFC	Anti-Friction		5004FTAL11E-A			11	MXTFCM	\$60,851
500	1800	4000	5009/10/11 US	TEFC	Anti-Friction		5004FTAL11E-C			11, 12	MXTFCM	\$80,824
500	1800	4000	5009/10/11 US	TEFC	SLEEVE		5004FTQL11E-A			11	MXTFCM	\$77,257
500	1800	4000	5009/10/11 US	TEFC	SLEEVE		5004FTQL11E-C	62	94.4	11, 12	MXTFCM	\$97,231
500	1200	4000	5809/10/11 US	TEFC	Anti-Friction		5006FTAL11E-A			11	MXTFCM	\$71,351
500	1200	4000	5809/10/11 US	TEFC	Anti-Friction		5006FTAL11E-C			11, 12	MXTFCM	\$94,757
500	900	4000	5809/10/11 US	TEFC	Anti-Friction		5008FTAL11E-A			11	MXTFCM	\$81,586
500	900	4000	5811/12 US	TEAAC	Anti-Friction		5008TCAL11E-A	75	93.6	15	MXTAAM	\$102,066
500	900	4000	5811/12 US	TEAAC	Anti-Friction		5008TCAL11E-C	70	94.3	12, 15	MXTAAM	\$123,942
600	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		6003FTAL11F-A			4, 11	MXTFCM	\$72,302
600	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		6003FTAL11F-C			4, 11, 12	MXTFCM	\$94,177
600	3600	4000	5809/10/11 USS	TEFC	SLEEVE		6003FTQL11F-A			4, 11	MXTFCM	\$89,422
600	3600	4000	5809/10/11 USS	TEFC	SLEEVE		6003FTQL11F-C	74	95.0	4, 11, 12	MXTFCM	\$111,297
600	1800	4000	5809/10/11 US	TEFC	Anti-Friction		6004FTAL11E-A			11	MXTFCM	\$74,451

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XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1800	4000	5809/10/11 US	TEFC	Anti-Friction		6004FTAL11E-C			11, 12	MXTFCM	\$96,326
600	1800	4000	5809/10/11 US	TEFC	SLEEVE		6004FTQL11E-A			11	MXTFCM	\$91,571
600	1800	4000	5809/10/11 US	TEFC	SLEEVE		6004FTQL11E-C	76	94.9	11, 12	MXTFCM	\$113,446
600	1200	4000	5809/10/11 US	TEFC	Anti-Friction		6006FTAL11E-A			11	MXTFCM	\$80,311
600	1200	4000	5811/12 US	TEAAC	Anti-Friction		6006TCAL11E-A	85	93.6	15	MXTAAM	\$103,511
600	1200	4000	5811/12 US	TEAAC	Anti-Friction		6006TCAL11E-C	80	94.1	12, 15	MXTAAM	\$125,386
600	900	4000	5811/12 US	TEAAC	Anti-Friction		6008TCAL11E-A	89	93.9	15	MXTAAM	\$103,917
600	900	4000	5811/12 US	TEAAC	Anti-Friction		6008TCAL11E-C	83	94.3	12, 15	MXTAAM	\$125,793
700	3600	4000	5811/12 USS	TEAAC	Anti-Friction		7003TCAL11F-A	89	94.9	4, 15	MXTAAM	\$87,595
700	3600	4000	5811/12 USS	TEAAC	Anti-Friction		7003TCAL11F-C			4,12,15	MXTAAM	\$109,471
700	3600	4000	5811/12 USS	TEAAC	SLEEVE		7003TCQL11F-A	89	94.0	4, 15	MXTAAM	\$104,715
700	3600	4000	5811/12 USS	TEAAC	SLEEVE		7003TCQL11F-C	87	94.3	4,12,15	MXTAAM	\$126,591
700	1800	4000	5809/10/11 US	TEFC	Anti-Friction		7004FTAL11E-A			11	MXTFCM	\$81,775
700	1800	4000	5809/10/11 US	TEFC	Anti-Friction		7004FTAL11E-C			11, 12	MXTFCM	\$103,651
700	1800	4000	5809/10/11 US	TEFC	SLEEVE		7004FTQL11E-A			11	MXTFCM	\$98,895
700	1800	4000	5809/10/11 US	TEFC	SLEEVE		7004FTQL11E-C	88	94.7	11, 12	MXTFCM	\$120,771
700	1800	4000	5811/12 US	TEAAC	Anti-Friction		7005TCAL11E-A	90	94.6	4, 15	MXTAAM	\$99,528
700	1800	4000	5811/12 US	TEAAC	Anti-Friction		7005TCAL11E-C	89	94.6	4,12,15	MXTAAM	\$121,404
700	1800	4000	5811/12 US	TEAAC	SLEEVE		7005TCQL11E-A	90	94.6	4, 15	MXTAAM	\$116,648
700	1800	4000	5811/12 US	TEAAC	SLEEVE		7005TCQL11E-C	89	94.5	4,12,15	MXTAAM	\$138,524
700	1200	4000	5809/10/11 US	TEFC	Anti-Friction		7006FTAL11E-A			11	MXTFCM	\$84,913
700	1200	4000	5811/12 US	TEAAC	Anti-Friction		7006TCAL11E-A	100	93.9	15	MXTAAM	\$108,288
700	1200	4000	5811/12 US	TEAAC	Anti-Friction		7006TCAL11E-C	93	94.2	12, 15	MXTAAM	\$130,164
800	3600	4000	5811/12 USS	TEAAC	Anti-Friction		8003TCAL11F-A	101	95.1	4, 15	MXTAAM	\$90,071
800	3600	4000	5811/12 USS	TEAAC	Anti-Friction		8003TCAL11F-C			4,12,15	MXTAAM	\$111,946
800	3600	4000	5811/12 USS	TEAAC	SLEEVE		8003TCQL11F-A	101	94.3	4, 15	MXTAAM	\$107,191
800	3600	4000	5811/12 USS	TEAAC	SLEEVE		8003TCQL11F-C	99	94.7	4,12,15	MXTAAM	\$129,066
800	1800	4000	5809/10/11 US	TEFC	Anti-Friction		8004FTAL11E-A			11	MXTFCM	\$83,657
800	1800	4000	5809/10/11 US	TEFC	Anti-Friction		8004FTAL11E-C			11, 12	MXTFCM	\$105,533
800	1800	4000	5809/10/11 US	TEFC	SLEEVE		8004FTQL11E-A			11	MXTFCM	\$100,777
800	1800	4000	5809/10/11 US	TEFC	SLEEVE		8004FTQL11E-C	100	95.0	11, 12	MXTFCM	\$122,653
800	1800	4000	5811/12 US	TEAAC	Anti-Friction		8005TCAL11E-A	105	94.8	4, 15	MXTAAM	\$101,128
800	1800	4000	5811/12 US	TEAAC	Anti-Friction		8005TCAL11E-C	101	95.1	4,12,15	MXTAAM	\$123,004
800	1800	4000	5811/12 US	TEAAC	SLEEVE		8005TCQL11E-A	105	94.8	4, 15	MXTAAM	\$118,248
800	1800	4000	5811/12 US	TEAAC	SLEEVE		8005TCQL11E-C	101	95.0	4,12,15	MXTAAM	\$140,124
900	3600	4000	5811/12 USS	TEAAC	Anti-Friction		9003TCAL11F-A	113	95.3	4, 15	MXTAAM	\$96,762
900	3600	4000	5811/12 USS	TEAAC	Anti-Friction		9003TCAL11F-C			4,12,15	MXTAAM	\$118,637
900	3600	4000	5811/12 USS	TEAAC	SLEEVE		9003TCQL11F-A	113	94.6	4, 15	MXTAAM	\$113,882
900	3600	4000	5811/12 USS	TEAAC	SLEEVE		9003TCQL11F-C	111	94.9	4,12,15	MXTAAM	\$135,757
900	1800	4000	5811/12 US	TEAAC	Anti-Friction		9005TCAL11E-A	115	95.0	4, 15	MXTAAM	\$102,586
900	1800	4000	5811/12 US	TEAAC	Anti-Friction		9005TCAL11E-C	114	95.2	4,12,15	MXTAAM	\$124,462
900	1800	4000	5811/12 US	TEAAC	SLEEVE		9005TCQL11E-A	115	95.0	4, 15	MXTAAM	\$119,706
900	1800	4000	5811/12 US	TEAAC	SLEEVE		9005TCQL11E-C	114	95.1	4,12,15	MXTAAM	\$141,582
1000	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M203TCAL11F-A	125	95.5	4, 15	MXTAAM	\$110,135
1000	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M203TCAL11F-C			4,12,15	MXTAAM	\$132,011
1000	3600	4000	5811/12 USS	TEAAC	SLEEVE		M203TCQL11F-A	125	94.9	4, 15	MXTAAM	\$127,255
1000	3600	4000	5811/12 USS	TEAAC	SLEEVE		M203TCQL11F-C	122	95.2	4,12,15	MXTAAM	\$149,131

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HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1000	1800	4000	5811/12 US	TEAAC	Anti-Friction		M205TCAL11E-A	130	95.0	4, 15	MXTAAM	\$114,313
1000	1800	4000	5811/12 US	TEAAC	Anti-Friction		M205TCAL11E-C	127	95.5	4,12,15	MXTAAM	\$136,188
1000	1800	4000	5811/12 US	TEAAC	SLEEVE		M205TCQL11E-A	130	95.0	4, 15	MXTAAM	\$131,433
1000	1800	4000	5811/12 US	TEAAC	SLEEVE		M205TCQL11E-C	127	95.4	4,12,15	MXTAAM	\$153,308
1250	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M253TCAL11F-A	155	95.8	4, 15	MXTAAM	\$116,413
1250	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M253TCAL11F-C			4,12,15	MXTAAM	\$138,288
1250	3600	4000	5811/12 USS	TEAAC	SLEEVE		M253TCQL11F-A	155	95.3	4, 15	MXTAAM	\$133,533
1250	3600	4000	5811/12 USS	TEAAC	SLEEVE		M253TCQL11F-C	152	95.5	4,12,15	MXTAAM	\$155,408

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

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Discount Symbol: **MMP001 – For Low Voltage Motors**
 MMP002 – For Medium Voltage Motors

This section requires that the below listed handling charge be added to each motor that is to be modified in addition to the requested modifications.

Option		Handling Charge
Series		XT & CT
Smart Code		N/A
Frame	143/145	\$241
	182/184	\$241
	213/215	\$284
	254/256	\$284
	284/286	\$383
	324/326	\$383
	364/365	\$438
	404/405	\$438
	444/445	\$602
	447	\$602
	449/500	\$602
5000/5800	\$766	

Modifications from this section should be added to the appropriate motor list price and the above handling charge to generate a total list price for the motor. Apply the applicable discount/multiplier from discount symbol MMP001 or MMP002 to arrive at a net each price. This will be the production/modified multiplier associated with the account pricing.

Blowers

Toshiba XT motors are suitable for use with inverter-fed controllers. Turndown capability is a function of the product selected. See individual product page for specific information. When turndown requirements exceed product capability, the use of an auxiliary blower is required. Contact Toshiba for help with determining whether a blower is required for an application.

The National Electrical Code 430.126 (b) requires that motors with external forced ventilation must have a form of thermal protection. See thermal protection section for the addition of thermal protection. This addition is not included in the blower adder.

Option		Blower
Series		XT
Smart Code		NQ
Frame	143/145	\$1,148
	182/184	\$1,203
	213/215	\$1,488
	254/256	\$1,641
	284/286	\$2,023
	324/326	\$2,352
	364/365	\$3,052
	404/405	\$3,609
	444/445	\$3,773
	447	\$3,773
	449/500	\$3,938
	5000/5800	\$6,016

Special Notes:

- Adders above are not available on explosion proof product
- Blower Standard Voltages are as Follows:
 - 140 through 280T Frames – Single-Phase 230 to 330 V & Three-Phase 230 to 330/400 to 575 V
 - 320 through N449T Frames – Three-Phase 230 to 330/400 to 575 V
 - 500 Frame & Larger – Three-Phase 460 or 575 V (Specify at Time of Order)
- Blowers cannot operate on line voltages over 575 V.
- Contact Toshiba for applications requiring line voltages over 575 V.
- Contact Toshiba for availability in Division 2 applications.

Conduit Box Modifications

Toshiba's standard main conduit box on all motors is located in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position.

Cast Iron Main Box

Cast iron conduit boxes come standard on all explosion proof, EQPIII-840, and EQPIII-841 products. Cast iron conduit boxes come standard on 360T frame and larger quarry duty products.

Cast Iron Main Box

Option		Cast Iron Main Box
Series		CT & XT
Smart Code		GC
Frame	143/145	\$123
	182/184	\$123
	213/215	\$149
	254/256	\$149
	284/286	\$219
	324/326	\$219
	364/365	\$328
	404/405	\$328
	444/445	\$602
	447	\$602
	449/500	\$656
	5000/5800	\$1,094

Auxiliary Terminal Box

Termination of protective or monitoring devices can be provided in a separate auxiliary box (280 frame and larger) or a conduit mounted off the main terminal box (250T frames and below). All auxiliary boxes will be mounted on the same side as the main terminal box unless specified otherwise.

Auxiliary Terminal Box

Option		Condulet
Series		CT & XT
Smart Code		GE
Frame	143/145	\$383
	182/184	\$383
	213/215	\$383
	254/256	\$383
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

Location

All motors are provided with the main terminal box in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position. For conduit box location in the F2 position see adder below.

Option		F2 (Stock Modifications)	
Series		CT	XT
Smart Code		N/A	GB/GD
Frame	143/145	\$65	\$65
	182/184	\$65	\$65
	213/215	\$95	\$95
	254/256	\$95	\$95
	284/286	\$110	\$110
	324/326	\$110	\$110
	364/365	\$165	\$165
	404/405	\$220	—
	444/445	\$330	—
	447	\$330	—
	449/500	—	—
	5000/5800	—	—

Special Notes:

- Not all motors are field-modifiable to F2 assembly.
- See applications section for F2 field modifiability.
- Contact factory for availability.

Remote-Mount Conduit Box

For applications requiring that the conduit box be located away from the motor, Toshiba is able to supply a remote-mount conduit box. The conduit box will be supplied with the main motor, but it will arrive unfastened. The remote-mount conduit box includes a main terminal box and a threaded mounting plate.

Option		Steel Conduit Box	Cast Iron Conduit Box
Series		XT	XT
Smart Code		N/A	N/A
Frame	143/145	\$123	\$219
	182/184	\$123	\$219
	213/215	\$149	\$273
	254/256	\$149	\$273
	284/286	\$219	\$438
	324/326	\$219	\$438
	364/365	\$328	\$656
	404/405	\$328	\$656
	444/445	\$602	\$1,094
	447	\$602	\$1,094
	449/500	\$656	\$1,313
	5000/5800	\$875	\$1,750

Special Notes:

- Adders above are not available on explosion proof product.

Couplings & Sheaves Mounted

Couplings and V-belt sheaves must be supplied (finished bored, balanced, and key-seated) to Toshiba's shaft dimensions before they can be mounted to the motor. An incoming identification number must be obtained from Toshiba, and coupling must be shipped at least three weeks in advance before scheduled motor shipment and must include the manufacturer's mounting instructions.

Option		Customer-Supplied Sheave/Coupling
Series		CT & XT
Smart Code		N/A
Frame	143/145	\$656
	182/184	\$656
	213/215	\$766
	254/256	\$875
	284/286	\$875
	324/326	\$875
	364/365	\$984
	404/405	\$984
	444/445	\$1,094
	447	\$1,203
	449/500	\$1,313
	5000/5800	\$1,313

Special Notes:

- Incoming parts without a proper Toshiba identification number will not be accepted and will be instead returned to sender.

Drains & Breathers

Standard horizontally-mounted totally enclosed fan cooled and open motors are provided with drain holes. Drain holes are located at the lowest point on the motor.

Breathers

Option		Standard Breather (1 & 4)	UL Stainless Breather (2 & 4)	Standard Breather Conduit Box (3)
Series		CT & XT	CT & XT	CT & XT
Smart Code		JA	JB	JG
Frame	143/145	\$219	\$273	\$273
	182/184	\$219	\$273	\$273
	213/215	\$219	\$273	\$273
	254/256	\$328	\$383	\$383
	284/286	\$328	\$383	\$383
	324/326	\$328	\$383	\$383
	364/365	\$328	\$438	\$438
	404/405	\$328	\$438	\$438
	444/445	\$328	\$438	\$438
	447	\$328	\$438	\$438
	449/500	\$328	\$438	\$438
5000/5800	\$328	\$438	\$438	

- (1) EQP111-840 and EQP111-841 motors have dual tapped holes fitted with automatic bronze drain and breathers as standard.
 (2) Explosion proof motors have UL listed stainless steel drain and breathers as standard (for horizontal-mounting only).
 (3) Standard and stainless breathers are available for cast conduit boxes only (not available on explosion proof motors).
 (4) This adder is not available on rolled steel frame motors.

Special Notes

- Additional breathers are not available on explosion proof product.

Additional Drain Holes

Option		Drain Hole	Drain Hole Conduit Box (1)
Series		CT & XT	CT & XT
Smart Code		JC	JJ
Frame	143/145	\$131	\$131
	182/184	\$131	\$131
	213/215	\$131	\$131
	254/256	\$131	\$131
	284/286	\$131	\$131
	324/326	\$131	\$131
	364/365	\$131	\$131
	404/405	\$131	\$131
	444/445	\$131	\$131
	447	\$131	\$131
	449/500	\$131	\$131
5000/5800	\$131	\$131	

- (1) Conduit box drain holes are available on cast conduit boxes only.

Special Notes:

- Above adders not available on explosion proof product.

Drip Covers

Drip covers can be furnished on standard motors for extra protection from dripping liquids and falling objects when the motor is mounted in the vertical shaft-down position. Standard drip covers are of fabricated steel 1/8" with no lip. Severe duty drip covers are of fabricated steel 3/8" with lip.

Option		Steel Drip Cover (Standard Duty)	Steel Drip Cover (Severe Duty)
Series		XT	XT
Smart Code		GX	GY
Frame	143/145	\$328	\$394
	182/184	\$438	\$525
	213/215	\$438	\$525
	254/256	\$438	\$525
	284/286	\$613	\$735
	324/326	\$766	\$919
	364/365	\$831	\$998
	404/405	\$875	\$1,050
	444/445	\$941	\$1,129
	447	\$941	\$1,129
	449/500	\$941	\$1,129
5000/5800	—	—	

Special Notes:

- Adders above are not available on explosion proof product.
- The drip cover adder does not include vertical lifting provisions.
- If lifting provisions are required, the motor becomes a production motor. See "Production" modifications section.

Textile Cover

Textile covers are available for totally enclosed fan cooled enclosure applications prone to lint and fibers entering the fan cover's air inlets.

Option		Textile Cover
Series		XT
Smart Code		GZ
Frame	143/145	\$328
	182/184	\$438
	213/215	\$438
	254/256	\$438
	284/286	\$613
	324/326	\$766
	364/365	\$831
	404/405	\$875
	444/445	\$941
	447	\$941
	449/500	\$941
5000/5800	—	

Special Notes:

- Adders above are not available on explosion proof product.

Enclosures

This section refers to additional specifications used to define the motor's enclosure. These adders may be required in order to provide a necessary additional degree of protection for normal operation in certain environments.

Marine Duty

Marine Duty IEEE 45 must be incorporated into an EQPIII-840 or EQPIII-841 base motor. Please see adders below.

Option		IEEE45 (1)	IEEE45 (2)
Series		XT	XT
Smart Code		OB	A2
Frame	143/145	\$383	\$131
	182/184	\$383	\$131
	213/215	\$405	\$131
	254/256	\$438	\$131
	284/286	\$645	\$131
	324/326	\$700	\$131
	364/365	\$853	\$131
	404/405	\$1,083	\$131
	444/445	\$1,291	\$131
	447	\$1,542	\$131
	449/500	\$1,542	\$131
	5000/5800	\$1,914	\$131

(1) In above-deck applications the adder includes space heaters with leads terminating in main terminal box and tropicalization in accordance with IEEE 45 requirements.

*EQPIII-840 280 frame and below will require the addition of the labyrinth seals on both ends.

(2) In below-deck applications only the name plate changes.

All Cast Iron Construction

All cast iron construction adders on totally enclosed motors will include the following cast iron features: frame, brackets, fan cover, and conduit box.

Option		All Cast Iron Construction
Series		CT & XT
Smart Code		FN
Frame	143/145	\$197
	182/184	\$241
	213/215	\$306
	254/256	\$394
	284/286	\$569
	324/326	\$656
	364/365	\$1,061
	404/405	\$1,400
	444/445	\$2,188
	447	\$3,281
	449/500	\$3,828 (1)
	5000/5800	\$3,828 (1)

(1) Heavy-gage fabricated steel is used for fan cover in frame sizes above N449T.

Special Notes:

- This is standard construction on all 840 and all 841 motors, and totally enclosed explosion proof product.

Export Crating

Toshiba provides packaging options for different shipping requirements. Options include standard commercial packaging (for common, below-deck transport on ships) and containerized shipping. Both options are available at a net price of 8% of the motor's total sell price or a minimum of \$350, whichever is greater.

Flange-Mounting

Flanges can be ordered through production are also available as kits. See the "Parts" section of the catalog for information.

Open Drip Proof Motors

Option		C-Face Footed
Series		XT
Smart Code		FA
Frame	143/145	—
	182/184	—
	213/215	\$295 (1)
	254/256	\$295 (1)
	284/286	\$438
	324/326	\$481
	364/365	\$875
	404/405	\$1,094
	444/445	\$1,586
	447	\$1,695
	449/500	—
5000/5800	—	

(1) Motors do not meet NEMA BA dimensions (NEMA BA dimension are available on 210 & 250 frames as production motors when specified).

Totally Enclosed Fan Cooled Motors

Option		C-Face Footed
Series		CT & XT
Smart Code		FA
Frame	143/145	\$109 (1)
	182/184	\$131 (1)
	213/215	\$175
	254/256	\$263
	284/286	\$438
	324/326	\$492
	364/365	\$820
	404/405	\$1,148
	444/445	\$1,477
	447	\$1,477
	449/500	\$1,641
5000/5800	\$1,859	

(1) Motors do not meet NEMA BA dimensions (NEMA BA dimension are available on 140 and 180 frames as production motors when specified).

Totally Enclosed Explosion Proof

Option		C-Face Footed
Series		XT
Smart Code		FA
Frame	143/145	\$241 (1)
	182/184	\$273 (1)
	213/215	\$328 (1)
	254/256	\$438 (1)
	284/286	\$766
	324/326	\$875
	364/365	\$984
	404/405	—
	444/445	—
	447	—
	449/500	—
5000/5800	—	

(1) Motors do not meet NEMA BA dimensions.

Grounding Provisions

All motor frames 140T-N5810U have CSA clamp type-grounding lug in the conduit box. All EQPIII-840 and EQPIII-841 motors are provided with a UL approved clamp type-grounding lug in the conduit box.

External Grounding Provisions on Motor Frame (Foot)

All EQPIII-841 motors have, as standard, an additional grounding provision on the motor base. The grounding provisions on the motor base are 1/2"-20 tap for frames 140T through 250T, and 3/8"-16 tap on frames 280T and larger.

Option		Foot Grounding
Series		XT
Smart Code		LC/LD
Frame	143/145	\$219
	182/184	\$219
	213/215	\$219
	254/256	\$219
	284/286	\$219
	324/326	\$219
	364/365	\$219
	404/405	\$219
	444/445	\$219
	447	\$219
	449/500	\$219
5000/5800	\$219	

External Grounding Pad to Motor Frame

Apply the adder below for a special ground pad with two holes mounted on the motor frame. When placing the order, the hole and tap size must be provided.

Option		Frame Grounding
Series		XT
Smart Code		LE/LF
Frame	143/145	—
	182/184	—
	213/215	—
	254/256	—
	284/286	—
	324/326	\$1,641
	364/365	\$1,641
	404/405	\$1,641
	444/445	\$1,641
	447	\$1,641
	449/500	\$1,641
5000/5800	\$1,641	

Special Notes:

- Adders above are not available on explosion proof product.

Insulation Modifications

Insulation systems are divided into classes according to the thermal endurance by temperature rating. Standard motor insulation comes non-hygroscopic Class F (utilizing Class H components) and is dipped and baked in a Class H varnish. Unusual or severe applications may require special insulation systems or winding protection.

Internal Coating for Extreme Service Operation

This adder provides additional insulation coating as well as corrosion protection for all internal machined surfaces.

Option		SD Coating
Series		CT & XT
Smart Code		CF
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
	5000/5800	\$2,734

Special Notes:

- This comes standard on all 840 and all 841 motors.

Tropicalize/Fungus-Proof Windings

Unwanted fungi may over time break down a motor's insulation system. The addition of the tropicalize/fungus-proof adder will protect motor windings from this type of problem.

Option		Tropicalize/Fungus-Proof Windings
Series		CT & XT
Smart Code		CH
Frame	143/145	\$109
	182/184	\$109
	213/215	\$164
	254/256	\$219
	284/286	\$328
	324/326	\$438
	364/365	\$547
	404/405	\$711
	444/445	\$930
	447	\$1,203
	449/500	\$1,203
	5000/5800	\$1,531

Epoxy Coating on Motor Windings

This adder provides additional protection against corrosive and/or humid environments.

Option		Epoxy Coating on Motor Windings
Series		CT & XT
Smart Code		CJ
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
5000/5800	\$2,734	

Leads Length/Lead Terminals

Crimp-type lead lugs/ring terminals come standard on motors as follows:

- All 280 Frame Motors and Larger
- 210 Frame and Larger on EQPIII-840 Product
- All 841 Motors

Crimp Terminals

Option		Crimp Terminals
Series		CT & XT
Smart Code		CT
Frame	143/145	\$109
	182/184	\$109
	213/215	\$153
	254/256	\$153
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
5000/5800	—	

Burndy Lugs/Two-Hole Terminals

Option		Burndy Terminals
Series		XT
Smart Code		CT
Frame	143/145	\$580
	182/184	\$580
	213/215	\$744
	254/256	\$744
	284/286	\$744
	324/326	\$744
	364/365	\$744
	404/405	\$744
	444/445	\$744
	447	\$744
	449/500	\$744
5000/5800	\$744	

Nameplate(s)

Standard nameplates are 304-grade stainless steel with engraved lettering. Additional nameplates for remote-mounting and special markings are available. For requests other than what is listed below contact Toshiba.

Duplicate or Special Nameplate

Option		Re-Namplate	Duplicate Nameplate	Special ID Tag
Series		CT & XT	CT & XT	CT & XT
Smart Code		A1, A2	A3	A4
Frame	143/145	\$131	\$131	\$131
	182/184	\$131	\$131	\$131
	213/215	\$131	\$131	\$131
	254/256	\$131	\$131	\$131
	284/286	\$131	\$131	\$131
	324/326	\$131	\$131	\$131
	364/365	\$131	\$131	\$131
	404/405	\$131	\$131	\$131
	444/445	\$131	\$131	\$131
	447	\$131	\$131	\$131
	449/500	\$131	\$131	\$131
	5000/5800	\$131	\$131	\$131

Screens

Corrosion resistant screens covering air inlets and outlets of open drip proof motors are available. Motors equipped with screens will meet the NEMA guarded definition.

Screens to an Open Drip Proof Motor

Option		Corrosion-Resistant	Stainless Steel
Series		XT	
Smart Code		JM	JN
Frame	143/145	\$219	\$273
	182/184	\$273	\$328
	213/215	\$306	\$361
	254/256	\$361	\$416
	284/286	\$383	\$438
	324/326	\$438	\$547
	364/365	\$547	\$766
	404/405	\$766	\$1,094
	444/445	\$820	\$1,203
	447	\$875	\$1,258
	449/500	\$875	\$1,258
	5000/5800	\$1,094	\$1,641

Special Notes:

- Screens come standard on oil well pump motors.

Space Heaters

Space heaters are strip-type heaters mounted inside the frame near the coils to prevent moisture condensation in the motor during times the motor is not energized. Heater leads are brought out to the motor's main conduit box and marked H1 and H2. Standard heater voltage is 120 V single-phase unless otherwise specified.

Option		Standard Space Heaters
Series		HH
Smart Code		CT & XT
Frame	143/145	\$328
	182/184	\$328
	213/215	\$328
	254/256	\$328
	284/286	\$481
	324/326	\$481
	364/365	\$580
	404/405	\$700
	444/445	\$831
	447	\$941
	449/500	\$941
	5000/5800	\$1,148

Special Notes:

- Adders above are not available on explosion proof product.

Terminal Blocks

Insulated stud-type terminal blocks/strips can be provided for single voltage, single speed applications in the standard conduit box.

Option		Terminal Block (1)	Terminal Strip (2)
Series		XT	XT
Smart Code		GR	N/A
Frame	143/145	\$339	\$219
	182/184	\$339	\$219
	213/215	\$339	\$219
	254/256	\$339	\$219
	284/286	\$405	\$219
	324/326	\$733	\$219
	364/365	\$733	\$219
	404/405	\$733	\$219
	444/445	\$1,444	\$219
	447	\$1,444	\$219
	449/500	(3)	\$219
	5000/5800	(3)	\$219

(1) This adder refers to power leads only.

(2) This adder refers to accessory leads only.

(3) Please contact Toshiba for pricing information on this adder.

Special Notes:

- Adders above are not available on explosion proof product.

Testing

Toshiba motors are tested in compliance with IEEE Std. 112 to meet NEMA MG1 requirements. Test reports and optional testing are available for each individual motor. Duplicates/copies of standard routine test reports are available. Please contact Toshiba for scheduling/coordination for witness testing requirements.

All Prices Net Per Motor

Option	Routine, Unwitnessed (Report Only)	Routine, Witnessed	Complete, Unwitnessed	Complete, Witnessed	Noise, Unwitnessed (1)	Noise, Witnessed (1)	Vibration	Insulation Resistance	Polarization Index	
Series	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	
Smart Code										
Frame	143/145	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	182/184	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	213/215	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	254/256	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$400	\$550
	284/286	\$30	\$500	\$1,450	\$1,750	\$800	\$1,200	\$800	\$400	\$550
	324/326	\$30	\$500	\$1,700	\$2,000	\$800	\$1,200	\$800	\$450	\$600
	364/365	\$30	\$750	\$1,950	\$2,250	\$800	\$1,200	\$800	\$450	\$600
	404/405	\$30	\$750	\$2,200	\$2,500	\$800	\$1,200	\$800	\$500	\$650
	444/445	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$500	\$650
	447	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$550	\$700
	449/500	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700
5000/5800	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700	

(1) Noise test consists of overall sound pressure values/readings only. For octave band measurements, contact Toshiba.

Thermal Protection

Toshiba provides a wide variety of protective devices which are available as follows.

Thermostats (Klixons)

Toshiba's standard offering includes a normally-closed (NC), bi-metallic, temperature actuated element mounted on the stator winding. Leads are marked P1 and P2. Termination of the leads is in the main conduit box. Special thermostats are available upon request. Contact Toshiba for pricing and availability.

Option	Klixons-NC (1)	
Series	DB	
Smart Code	CT & XT	
Frame	143/145	\$164
	182/184	\$164
	213/215	\$164
	254/256	\$164
	284/286	\$164
	324/326	\$230
	364/365	\$230
	404/405	\$328
	444/445	\$328
	447	\$405
	449/500	\$405
5000/5800	\$438	

(1) Division 2 environments require the use of hermetically-sealed thermostats. This is available as production only.

Winding PTC Thermistors

Non-linear resistance temperature detectors are mounted on the motor winding. This thermal protection consists of three thermistors only or three thermistors with a solid state control relay. The provided control relay is intended for mounting in a remote location.

Option		Mark A (PTC) Thermistor	Mark A (PTC) Thermistor & Module
Series		XT	XT
Smart Code		DE	DF
Frame	143/145	\$328	\$1,367
	182/184	\$328	\$1,367
	213/215	\$328	\$1,367
	254/256	\$328	\$1,367
	284/286	\$328	\$1,367
	324/326	\$328	\$1,367
	364/365	\$328	\$1,367
	404/405	\$328	\$1,367
	444/445	\$328	\$1,367
	447	\$328	\$1,367
	449/500	\$328	\$1,367
	5000/5800	\$328	\$1,367

Special Notes:

- Adders above are not available on explosion proof product.

Production Modification Listing*

* Production modifications not applicable to EQP Global motors
140 through 360 frame (use EQPIII Series base price for these frame sizes.)

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<i>Bases (Adjustable)</i>	179	<i>Fan Covers</i>	189	<i>Shaft Seals</i>	200
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<i>Blowers</i>	181	<i>Filters</i>	189	<i>Software: Engineering Data</i>	201
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Discount Symbol: **MMP001 – For Low Voltage Motors**
 MMP002 – For Medium Voltage Motors

Modifications from this section should be added to the appropriate motor list price to generate a total list price for the motor. Apply the applicable discount/multiplier from discount symbol MMP001 or MMP002 to arrive at a net each price.

Altitude

Standard designs are built for operation up to 3300 ft. (1000 m) above sea level at a maximum ambient of 40°C.

Option		3301' to 9900'	Over 9900'
Series		XT	
Smart Code		—	
Frame	143/145	\$142	Contact Toshiba
	182/184	\$142	
	213/215	\$186	
	254/256	\$230	
	284/286	\$306	
	324/326	\$405	
	364/365	\$525	
	404/405	\$755	
	444/445	\$1,061	
	447	\$2,406	
	449/500	\$2,953	
5000/5800	\$2,953		

Special Notes:

- Altitudes over 3300 ft. may affect frame size. Please contact Toshiba to confirm.

Ambient Temperature

Toshiba motors are designed to operate in an ambient temperature range between -25° and +40°C. For operation in temperatures above or below the standard, refer to chart below.

Option		-40° to -60°C (2)	-25° to -39°C	41° to 60°C	61° to 90°C (1 & 2)	91° to 115°C (1 & 2)
Series		XT				
Smart Code		AA	—	AD	AE	AF
Frame	143/145	Contact Toshiba	\$142	\$142	\$284	Contact Toshiba
	182/184		\$142	\$142	\$284	
	213/215		\$186	\$186	\$284	
	254/256		\$230	\$230	\$372	
	284/286		\$306	\$306	\$656	
	324/326		\$405	\$405	\$809	
	364/365		\$525	\$525	\$1,039	
	404/405		\$755	\$755	\$1,498	
	444/445		\$1,061	\$1,061	\$2,122	
	447		\$2,406	\$2,406	\$2,625	
	449/500		\$2,953	\$2,953	\$3,281	
5000/5800	\$2,953	\$2,953	\$4,375			

(1) This applies to open drip proof motors only. Contact Toshiba for totally enclosed fan cooled motors.

(2) Not available on explosion proof motors.

Special Notes:

- Non-standard ambient temperatures may affect frame size and insulation class. Please contact Toshiba to confirm.

Balance/Vibration

All Toshiba motors are dynamically balanced and measured in accordance with NEMA MG1 standards unless otherwise specified by the design. Toshiba motors all have a standard vibration level of 0.12 inches/second. See adder below for vibration levels lower than the Toshiba standard.

Option		Precision 0.08 in/sec. (1,2)	Precision 0.04 in/sec. (3, 4)	Special Balance Requirements
Series		XT		
Smart Code		MB	MC	ME
Frame	143/145	\$284	\$438	Contact Toshiba
	182/184	\$284	\$438	
	213/215	\$284	\$438	
	254/256	\$328	\$492	
	284/286	\$328	\$492	
	324/326	\$383	\$602	
	364/365	\$383	\$820	
	404/405	\$492	\$1,203	
	444/445	\$492	\$1,641	
	447	\$930	\$2,188	
	449/500	\$930 (5)	\$2,734 (5)	
5000/5800	\$984 (5)	\$3,281 (5)		

(1) This vibration level is standard on all 840 products through 447 frame.

(2) This vibration level is standard on all 841 products.

(3) This vibration level is not available on Toshiba P-Base products. This precision level of vibration is not available for motors with roller bearings.

(4) This vibration level is not available on medium voltage product.

(5) Contact Toshiba for 3600 RPM (2-pole motors).

Bases (Adjustable)

See "Spare Parts" section for pricing.

Bearings

Special bearings and designs are available on a production basis. Standard bearings can be changed for specific application requirements. The following list additions apply.

Sealed/Shielded Bearings

Open and totally enclosed general-purpose motors on 250T frame and smaller contain shielded or sealed-type, non-regreasable bearings as standard. Contact Toshiba to determine actual stock design bearing information.

Option		Sealed Bearings
Series		XT
Smart Code		KN
Frame	143/145	\$219
	182/184	\$219
	213/215	\$273
	254/256	\$273
	284/286	\$328
	324/326	\$328
	364/365	\$514
	404/405	\$820
	444/445	\$875
	447	—
	449/500	—
5000/5800	—	

Special Notes:

• Bearings are lubed for life and cannot be regreased.

• Sealed bearings come standard on all 140 to 250 frame motors, except for all 841 products.

Sleeve Bearings

See "Medium Voltage" pricing section for available sleeve bearing motors. Adder for Trico Oilers below:

Option		Trico Oilers
Frame	Medium Voltage	\$1,140

Insulated Bearings

Insulated bearings are typically applied in applications where shaft current concerns exist (i.e. applications involving the use of adjustable speed drives). Insulating the bearings helps to prevent electrical arcing (bearing fluting) and potential premature bearing failure.

Pricing below is for insulating the bearings on both end bells.

Option		Insulating Ball Bearings	Insulating Roller (1)
Series		XT	
Smart Code		KP	—
Frame	143/145	\$1,641	—
	182/184	\$1,750	—
	213/215	\$2,188	—
	254/256	\$2,734	—
	284/286	\$2,953	—
	324/326	\$3,172	—
	364/365	\$3,281	—
	404/405	\$3,609	—
	444/445	\$3,938	5907
	447	\$3,938	5907
	449/500	\$4,375 (2)	6562
5000/5800	\$6,016 (2)	(1)	

(1) Contact Toshiba for price and availability.

(2) Contact Toshiba for sleeve bearing motors.

Special Notes:

- Insulating the bearings is recommended when shaft voltage exceeds 300 mV.
- It is up to the user to determine when insulated bearings are required, especially with the use of inverter-fed control. NEMA MG1 Part 31 suggests insulating the bearing(s) on all motors in 500 series frames and larger when inverter-fed.
- Toshiba suggests insulating both bearings on all frame sizes 440 and larger, when used with adjustable speed drives.
- When insulated bearings are used on direct-coupled applications, the use of an insulated coupling and/or a shaft grounding brush is required in order to reduce the risk of driven equipment bearing damage. Grounding brushes are not suitable for Division 2 environments.
- Insulated bearings are not available on angular contact bearing construction.
- If bearing thermal devices are required with insulated bearings, a special version of the thermal device will be required. Contact Toshiba for the availability and price of this thermal device.

Regreasable or Locked Bearings

Regreasable and locked bearings come standard in all 280T frame and larger motors.

Option		Regreasable (1)	Locked (2)
Series		XT	
Smart Code		KM	KG
Frame	143/145	\$164	\$164
	182/184	\$164	\$164
	213/215	\$219	\$219
	254/256	\$219	\$219
	284/286	Toshiba Standard	Toshiba Standard
	324/326		
	364/365		
	404/405		
	444/445		
	447		
	449/500		
5000/5800			

(1) This comes standard on all 841 motors.

(2) This comes standard on 210 frame and larger on all 840 motors, and is standard on all 841 motors.

Special Notes:

- Adders above are not available on explosion proof product.
- If special end-play tolerances with bearing lock nuts are required, contact Toshiba for pricing.

Changing from Ball Bearings to Roller Bearings

Cylindrical roller bearings are used in horizontal motors where high radial loads are present for an improved L-10 life, i.e. belted applications.

Option		LV Roller Bearings	MV Roller Bearings
Series		XT	XT
Smart Code		KD	—
Frame	143/145	—	—
	182/184	—	—
	213/215	—	—
	254/256	\$708	—
	284/286	\$926	—
	324/326	\$1,025	—
	364/365	\$1,090	—
	404/405	\$1,199	—
	444/445	(1)	—
	447	(1)	—
	449/500	(1)	\$2,180
5000/5800	(1)	\$3,566	

(1) See motor price guide section for roller bearing motors.

Special Notes:

- Motors can go from a roller bearing to a ball bearing at no charge, but this must be specified when the order is placed.
 - a) This is applicable only for 1800 RPM motors and slower.
 - b) Roller bearing requests require that full belting/application details be provided prior to order acceptance.

Blowers

Toshiba XT motors are suitable for use with inverter-fed controllers. Turndown capability is a function of the product selected. See individual product page for specific information. When turndown requirements exceed product capability, the use of an auxiliary blower is required. Contact Toshiba for help with determining whether a blower is required for an application.

The National Electrical Code 430.126 (b) mandates that motors with external force-ventilation have a form of thermal protection. See thermal protection section for the addition of thermal protection. This addition is not included in the blower adder.

Option		Blower (1)
Series		XT
Smart Code		NQ
Frame	143/145	\$1,148
	182/184	\$1,203
	213/215	\$1,488
	254/256	\$1,641
	284/286	\$2,023
	324/326	\$2,352
	364/365	\$3,052
	404/405	\$3,609
	444/445	\$3,773
	447	\$3,773
	449/500	\$3,938
5000/5800	\$6,016	

(1) Contact Toshiba for blower availability on medium voltage motors.

Special Notes:

- Adders above are not available on explosion proof product.
- Blower Standard Voltages as Follows:
 - 140 through 280T Frame ----- Single-Phase 218 to 290 V & Three-Phase 209 to 340/361 to 603 V
 - 320 through N449T Frame ----- Three-Phase 230 to 330/400 to 575 V
 - 500 Frame & Larger ----- Three-Phase 460 or 575 V (Specify at Time of Order)
- On 320 frame motors and larger, blowers cannot operate on line voltages over 575 V. Contact Toshiba for applications requiring line voltages over 575 V.
- Contact Toshiba for availability in Division 2 applications.

Brakes

Toshiba offers a brake motor series, in up to 280 frame, to cover applications with brake needs. Please see the Definite Purpose, Brake Motor section of the catalog. For brake motors above this please contact Toshiba for availability.

Special Notes:

- The Brake Motor is not available in totally enclosed explosion proof, totally enclosed blower cooled, or open drip proof designs.

CE Approval

CE approved motors are available on select ratings. Contact Toshiba for information.

Conduit Box Modifications

Standard Toshiba main conduit box on all motors are located in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position.

Cast Iron Main Box

Cast iron conduit boxes come standard on all Explosion Proof, EQP III-840, EQP III-841, all EQP Global, and all medium voltage motor products. Cast iron conduit boxes also come standard on 360T frame and larger quarry duty products.

Option		Cast Iron Main Box
Series		XT
Smart Code		GC/GD
Frame	143/145	\$123
	182/184	\$123
	213/215	\$149
	254/256	\$149
	284/286	\$219
	324/326	\$219
	364/365	\$328
	404/405	\$328
	444/445	\$602
	447	\$602
	449/500	\$656
	5000/5800	\$1,094

Auxiliary Terminal Box

Termination of protective or monitoring devices can be provided in a separate auxiliary box (280 frame and larger) or a conduit mounted off the main terminal box (250T frames and below). All auxiliary boxes are mounted on the same side as the main terminal box unless otherwise specified.

Series		XT		
Option		Condulet	Aux. Steel Box	Aux. Cast Iron Box
Smart Code		GE	GH/GJ	GK/GL
Frame	143/145	\$383	—	—
	182/184	\$383	—	—
	213/215	\$383	—	—
	254/256	\$383	—	—
	284/286	—	\$645	\$766
	324/326	—	\$645	\$766
	364/365	—	\$645	\$766
	404/405	—	\$645	\$766
	444/445	—	\$645	\$766
	447	—	\$645	\$766
	449/500	—	\$645	\$766
	5000/5800	—	\$645	\$766

Special Notes:

- Adders above are not available on explosion proof product.
- Auxiliary conduit box is provided as standard with stator RTD adder on all motors.
- Auxiliary conduit box is provided as standard on medium voltage motors with space heaters.

CSA Terminal Box

Option		F2 (Production)	F3 (Top-Mount)
Series		XT	XT
Smart Code		—	—
Frame	143/145	\$66	Contact Toshiba
	182/184	\$66	
	213/215	\$98	
	254/256	\$98	
	284/286	\$109	
	324/326	\$109	
	364/365	\$164	
	404/405	—	
	444/445	—	
	447	—	
	449/500	—	
5000/5800	—		

Location

All motors are provided with the main terminal box in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position. For conduit box location in the F2 position see adder below.

Option		F2 (Production)	F3 (Top-Mount)
Series		XT	XT
Smart Code		—	—
Frame	143/145	\$66	Contact Toshiba
	182/184	\$66	
	213/215	\$98	
	254/256	\$98	
	284/286	\$109	
	324/326	\$109	
	364/365	\$164	
	404/405	—	
	444/445	—	
	447	—	
	449/500	—	
5000/5800	—		

Special Notes:

- Not all motors are field-modifiable to F2 assembly.
- See applications section for F2 field-modifiability.

Remote-Mount Conduit Box

For applications requiring that the conduit box be located away from the motor, Toshiba is able to supply a remote-mount conduit box. The conduit box will be supplied with the main motor, but will arrive unfastened. The remote-mount conduit box includes a main terminal box and a threaded mounting plate.

Option		Steel	Cast Iron
Series		XT	
Smart Code		—	—
Frame	143/145	\$123	\$219
	182/184	\$123	\$219
	213/215	\$149	\$273
	254/256	\$149	\$273
	284/286	\$219	\$438
	324/326	\$219	\$438
	364/365	\$328	\$656
	404/405	\$328	\$656
	444/445	\$602	\$1,094
	447	\$602	\$1,094
	449/500	\$656	\$1,313
5000/5800	\$875	\$1,750	

Special Notes:

- Adders above are not available on explosion proof product.

Connections

For various motor connections (Y-delta, part-winding, etc.) see “Starting/Connection” modifications section.

Copper Bar Rotor Design

See “Medium Voltage” pricing section for information on availability.

Couplings & Sheaves Mounted

Couplings and V-belt sheaves must be supplied (finished bored, balanced, and key-seated) to Toshiba’s shaft dimensions before they can be mounted to a motor. An incoming identification number must be obtained from Toshiba, and coupling must be shipped at least three weeks in advance before scheduled motor shipment, and must include manufacturer’s mounting instructions.

Option		Customer Supplied Sheave/Coupling
Series		XT
Smart Code		—
Frame	143/145	\$656
	182/184	\$656
	213/215	\$766
	254/256	\$875
	284/286	\$875
	324/326	\$875
	364/365	\$984
	404/405	\$984
	444/445	\$1,500
	447	\$2,100
	449/500	\$2,600
	5000/5800	\$2,750

Special Notes:

- Incoming parts without a proper Toshiba identification number will not be accepted and will be returned to sender.

Current Transformers

See “Surge Protection” modifications section.

Design C Torque

See “Torque” modifications section.

Documentation

See “Software” modifications section.

Dowel Pin Provisions

Dowel pin holes will be provided on two diagonal feet. These are provided to ensure motor alignment is maintained after the motor is installed. This feature comes standard on totally enclosed fan cooled 5011 and 5811 frame low voltage motors and medium voltage Dura-Bull TX motors.

Option		2 Per Motor
Series		XT
Smart Code		MP
Frame	143/145	\$547
	182/184	\$547
	213/215	\$547
	254/256	\$656
	284/286	\$656
	324/326	\$766
	364/365	\$766
	404/405	\$930
	444/445	\$930
	447	\$984
	449/500	\$1,094
	5000/5800	\$1,313

Special Notes:

- If four holes are required, one on each motor foot, double the above adder.

Drains & Breathers

Standard horizontally-mounted totally enclosed fan cooled and open motors are provided with drain holes. Drain holes are located at the lowest point on the motor.

Drain Holes

For additional drain hole(s) see adder below.

Option	Drain Hole	Drain Hole Conduit Box (1)	Stainless T-Drain	Stainless T-Drain Conduit Box (1)
Series	XT			
Smart Code	JC	JJ	—	—
Frame	143/145	\$131	\$131	\$219
	182/184	\$131	\$131	\$219
	213/215	\$131	\$131	\$219
	254/256	\$131	\$131	\$328
	284/286	\$131	\$131	\$328
	324/326	\$131	\$131	\$328
	364/365	\$131	\$131	\$328
	404/405	\$131	\$131	\$328
	444/445	\$131	\$131	\$328
	447	\$131	\$131	\$328
	449/500	\$131	\$131	\$328
5000/5800	\$131	\$131	\$328	

(1) Conduit box drain holes are available on cast conduit boxes only.

Special Notes:

- Adders above are not available on explosion proof product.

Breathers

To request breather(s) be added to a motor, see adder below.

Option	Std Breather (1)	UL Stainless Breather (2)	Std Breather Conduit Box (3)
Series	XT		
Smart Code	JA	JB	JG
Frame	143/145	\$219	\$273
	182/184	\$219	\$273
	213/215	\$219	\$273
	254/256	\$328	\$383
	284/286	\$328	\$383
	324/326	\$328	\$383
	364/365	\$328	\$438
	404/405	\$328	\$438
	444/445	\$328	\$438
	447	\$328	\$438
	449/500	\$328	\$438
5000/5800	\$328	\$438	

(1) All 840 and all 841 motors are equipped with either an automatic bronze drain and breathe or stainless steel T-drains as standard.

(2) Explosion proof motors have UL listed stainless steel drain and breathers as standard (for horizontal mounting only).

(3) Standard and stainless breathers are available for cast iron conduit boxes only (not available on explosion proof motors).

Special Notes:

- Additional breathers are not available on explosion proof product.

Drip Covers

Drip covers can be furnished on standard motors for extra protection from dripping liquids and falling objects when the motor is mounted in the vertical shaft-down position. Standard drip covers are of fabricated steel 1/8" with no lip. Severe duty drip covers are of fabricated steel 3/8" with lip.

Option	Steel - Standard	Steel - Severe Duty
Series	XT	
Smart Code	GX	GY
Frame	143/145	\$328
	182/184	\$438
	213/215	\$438
	254/256	\$438
	284/286	\$613
	324/326	\$766
	364/365	\$831
	404/405	\$875
	444/445	\$941
	447	\$941
	449/500	\$941
	5000/5800	—

Special Notes:

- Adders above are not available on explosion proof products or medium voltage motor products.
- The drip cover adder does not include vertical lifting provisions.
- If lifting provisions are required see "Vertical Lifting" modifications section.

Textile Cover

Textile covers are available for totally enclosed fan cooled enclosure applications prone to lint and fibers entering the fan cover's air inlets.

Option	Textile Cover
Series	XT
Smart Code	GZ
Frame	143/145
	182/184
	213/215
	254/256
	284/286
	324/326
	364/365
	404/405
	444/445
	447
	449/500
	5000/5800

Special Notes:

- Adders above are not available on explosion proof product or medium voltage motor products.

Enclosures

This section refers to additional specifications used to define the motor's enclosure. These adders may be required in order to provide a necessary additional degree of protection for normal operation in certain environments.

Marine Duty

Marine Duty IEEE 45 must be incorporated into an EQPIII-840 or EQPIII-841 base motor. Please see adders below.

Option		IEEE45 (1)	IEEE45 (2)	ABS Type (3)	ABS Unit (4)
Series				XT	
Smart Code		OB	A2	—	—
Frame	143/145	\$383	Standard on EQP-840 & EQP-841 Product	\$438	Contact Toshiba
	182/184	\$383		\$438	
	213/215	\$405		\$438	
	254/256	\$438		\$438	
	284/286	\$645		\$438	
	324/326	\$700		\$438	
	364/365	\$853		\$438	
	404/405	\$1,083		\$438	
	444/445	\$1,291		\$438	
	447	\$1,542		\$438	
	449/500	\$1,542		\$438	
	5000/5800	\$1,914		—	

(1) In above-deck applications the adder includes space heaters with leads terminating in main terminal box and tropicalization in accordance with IEEE 45 requirements.

*EQPIII-840 280 frame and below will require the addition of the labyrinth seals on both ends.

(2) In below-deck applications, the EQP-840 or EQP-841 product meets requirement as standard.

(3) ABS Type Approval – Includes a new nameplate with the ABS marking. Included on this nameplate is the IEEE-45/Marine Duty stamping and the IP rating.

(4) ABS Unit Approval – Contact Toshiba for clarification, pricing, and product availability.

IP Enclosure Protection

Apply below adder to meet specified IP rating. This adder applies to totally enclosed product only.

Option		IP55 (1)
Series		XT
Smart Code		—
Frame	143/145	\$1,238
	182/184	\$1,238
	213/215	\$1,374
	254/256	\$1,593
	284/286	\$1,881
	324/326	\$1,881
	364/365	\$2,406
	404/405	\$2,406
	444/445	\$3,139
	447	\$4,014
	449/500	\$4,616
5000/5800	\$6,038	

(1) This degree of protection comes standard on all EQPIII-840 320 frame and large and all IEEE-841 motors.

Mill & Chemical Construction

See the general purpose "EQPIII-840" and "EQP Global 840" sections of the price guide for base motor product meeting this requirement.

Petro-Chemical Construction

See the general purpose "EQPIII-841" and "EQP Global 841" sections of the price guide for base motor products meeting this requirement.

Classified-Division 2/Zone 2 Locations

Environmental/application conditions may require a special motor design and special labeling of the product to ensure proper protection and/or safety during use. If an environment and/or application has been identified as a Division 2 or Zone 2 location, Toshiba requires that a Class, Group, and Temperature code (T-code) be provided to ensure safe operation in the specified atmosphere. The adder below must be applied to the EQPIII or EQP Global base motor list price of the proper frame size to meet the temperature code requirement (contact Toshiba for the correct motor sizing).

Option	Class 1 Div. 2 (1,3, 4)	Class 2 Div. 2 (2,4)	
Series	XT		
Smart Code	NZ	—	
Frame	143/145	\$492	\$438
	182/184	\$492	\$438
	213/215	\$525	\$438
	254/256	\$634	\$438
	284/286	\$700	\$438
	324/326	\$788	\$438
	364/365	\$875	\$438
	404/405	\$1,203	\$438
	444/445	\$1,422	\$438
	447	\$1,422	\$438
	449/500	\$1,750	\$438
	5000/5800	\$2,188	\$438

- (1) All EQP-based product is suitable for a T3 (200°C) T-code under a sine wave condition based on a 1.0 service factor. For T-code ratings below 200°C, contact Toshiba for product pricing and availability. Contact Toshiba for applications utilizing ASD control. Please note that the NEC does not require the motor to be specifically nameplated with the area classification.
- (2) This must be incorporated into an EQPIII-840, EQPIII-841, EQP Global 840, EQP Global 841, or IP55 base motor.
- (3) When starting with an EQPIII-840, EQPIII-841, EQP Global 840, or EQP Global 841 base motor, add \$200 for Class I Division II labeling for all frames.
- (4) Consult Toshiba for CSA certification.

Special Notes:

- For Division 1 applications see "Totally Enclosed Explosion Proof" section of the price guide or contact Toshiba.
- Suitability of Zone 2 application is based on the National Electric Code (NEC).

Encoders

Encoders regulate speed on motors linked to variable speed applications, and they are available either face-mounted or shaft-mounted. Toshiba's standard offering is a BEI HS35 (shaft-mount) or Avtron M56 (face-mount). All prices below are based on Pulse Per Revolution (PPR) of 1024 single-output and dual-channel (A & B) quadrature. Encoder type must be specified upon order.

Option	NorthStar SL56 (2)	NorthStar HSD38 (1)	NorthStar HSD35 (1 & 4)	Avtron AV56 (2)	Avtron M3 (1)	Avtron M4 (1)	Avtron HS35M (1)	Dynapar HS35 (1)	Dynapar HS20 (1)	BEI HS35 (1)	
Series	XT										
Smart Code	O3	O3	O3	O3	O3	O3	O3	O3	O3	O2	
Frame	143/145	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	182/184	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	213/215	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	254/256	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	284/286	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	324/326	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	364/365	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	404/405	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	444/445	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	447	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	449/500	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	5000/5800	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734

- (1) The encoder is shaft-mounted.
- (2) The encoder is face-mounted.
- (3) Consult factory for availability and pricing.
- (4) This frame is suitable for Division 2 environments (Groups A, B, C, D, F, & G).

Special Notes:

- Adders above are not available on explosion proof product.
- Encoders are only available on totally enclosed fan cooled motors.

Export Crating

Toshiba provides packaging options for different shipping requirements. Options include standard commercial packaging (for common, below-deck transport on ships) and containerized shipping. Both options are available at a net price of 8% of the motor's total sell price or a minimum of \$350, whichever is greater.

Fan Covers

Cast Iron fan covers are available for totally enclosed fan cooled enclosures.

Option		Cast Iron Fan Cover (1)
Series		XT
Smart Code		
Frame	143/145	\$90
	182/184	\$110
	213/215	\$140
	254/256	\$180
	284/286	\$260
	324/326	\$300
	364/365	\$485
	404/405	\$640
	444/445	\$1000
	447	\$1,500
	449/500	Contact Toshiba
5000/5800	Contact Toshiba	

(1) This feature is standard on EQPIII 840, EQPIII 841, EQP Global 840, EQP Global 841 and Explosion Proof Motors.

Fans/Special

Toshiba motors come standard with high-strength, glass-reinforced fans on most ratings. Toshiba also offers other options for fan materials. Please contact Toshiba for availability and pricing.

Filters

Standard filters for Weather-Protected Type II motors are 304 stainless steel with 70 micron filtration.

WPII Motors

Option		Filters
Series		XT
Smart Code		KN
Frame	5012/5812	\$1,864

Flange-Mounting

Flanges can be ordered through production are also available as kits. See the "Spare Parts" section of the catalog for information.

Open Drip Proof Motors

Option		C-Face Footed	D-Flange Footed (1)
Series		XT	
Smart Code		FA	FD
Frame	143/145	—	—
	182/184	—	—
	213/215	\$295	—
	254/256	\$295	—
	284/286	\$438	—
	324/326	\$481	—
	364/365	\$875	\$1,695
	404/405	\$1,094	\$2,078
	444/445	\$1,586	\$2,297
	447	\$1,695	\$2,734
	449/500	—	\$2,734 (2)
5000/5800	—	\$2,950 (3)	

(1) D-flanges are available on 2-pole (3600 RPM) or 4-pole (1800 RPM) short shaft motors only.

(2) 500 frame D-flanges are available with diameters larger than those of short shaft motors. Contact Toshiba for specific availability.

(3) This applies to 5811/5812 WPI motors only.

Totally Enclosed Fan Cooled Motors

Option	C-Face Footed	C-Face Footless (1, 4)	D-Flange Footed	D-Flange Footless (1, 4)
Series	XT			
Smart Code	FA	FF	FD	FG
Frame	143/145	\$109 (2)	\$175	\$438
	182/184	\$131 (2)	\$219	\$492
	213/215	\$175	\$219	\$547
	254/256	\$263	\$350	\$875
	284/286	\$438	\$514	\$930
	324/326	\$492	\$678	\$1,422
	364/365	\$820	\$1,061	\$1,695
	404/405	\$1,148	\$1,586	\$2,078
	444/445	\$1,477	\$2,242	\$2,297
	447	\$1,477	\$2,242	\$2,297
	449	\$1,641 (5)	\$2,516 (3)	\$2,734
5000/5800	\$2,200 (5)	—	\$2,953	

- (1) These adders do not include drip covers or vertical lifting provisions.
- (2) Motors do not meet NEMA BA dimensions (NEMA BA dimensions are available on 140 and 180 frame as production motors when specified).
- (3) This option is not available on 500 frame motors, only on N449 frames.
- (4) This option is not available on medium voltage motors.
- (5) Consult Toshiba for availability on medium voltage motors.

Totally Enclosed Explosion Proof

Option	C-Face Footed	
Series	XT	
Smart Code	FA	
Frame	143/145	\$241
	182/184	\$273
	213/215	\$328
	254/256	\$438
	284/286	\$766
	324/326	\$875
	364/365	\$984
	404/405	—
	444/445	—
	447	—
	449/500	—
5000/5800	—	

Frequency

Standard product offering is 60 Hz with re-rate capabilities to 50 Hz operation. Contact Toshiba with frequency and voltage requirements for performance and sizing. For specially-wound 50 Hz motors see price adder below.

Option	50 Hz (1)	Other
Series	XT	
Smart Code	—	—
Frame	143/145	Contact Toshiba
	182/184	
	213/215	
	254/256	
	284/286	
	324/326	
	364/365	
	404/405	
	444/445	
	447	
	449/500	
5000/5800		

(1) For voltage other than 190/380, 208/415, 380, 400, 415, 440 see voltage adder for additional charge

Special Notes:
 • Frame size may be affected in 50 Hz. motors. Contact Toshiba to verify frame.

Grease Fittings

Standard hydraulic, Alemite/Zerk type fittings are provided with motors with regreasable bearings. For special grease fittings and drains, contact Toshiba for pricing and availability. For grease fittings see "Regreasable Bearings" modification.

Grounding Provisions

All motor frames 140-5810 have CSA clamp type-grounding lug in the conduit box. All EQPIII-840, EQPIII-841, EQP Global 840, and EQP Global 841 motors are provided with a UL approved clamp type-grounding lug in the conduit box.

External Grounding Provisions on Motor Frame (Base)

All EQPIII-841 and EQP Global 841 motors have, as standard, an additional grounding provision on the motor base. The grounding provisions on the motor base are 1/4-20 unified inch coarse thread (UNC) for motors up to 50 HP, 3/8-16 UNC for motors above 50 HP and up to 200 HP, and 1/2-13 UNC for motors above 200 HP.

Option	Frame Grounding	
Series	XT	
Smart Code	LC/LD	
Frame	143/145	\$219
	182/184	\$219
	213/215	\$219
	254/256	\$219
	284/286	\$219
	324/326	\$219
	364/365	\$219
	404/405	\$219
	444/445	\$219
	447	\$219
449/500	\$219	
5000/5800	\$219	

External Grounding Pad to Motor Frame

Apply the adder below for a copper ground pad with two holes mounted on the motor frame. When placing the order, the hole and tap size must be provided.

Option	Frame Grounding	
Series	XT	
Smart Code	LE/LF	
Frame	143/145	—
	182/184	—
	213/215	—
	254/256	—
	284/286	—
	324/326	\$1,641
	364/365	\$1,641
	404/405	\$1,641
	444/445	\$1,641
	447	\$1,641
	449/500	\$1,641
	5000/5800	\$1,641

Grounding Provisions to Motor Shaft

See "Shaft Grounding" modifications section.

Hardware

Standard hardware is non-corrosive. Stainless hardware fasteners (holding brackets, conduit box, fan cover, and inner caps) are available. Toshiba standard stainless hardware is 304 unless specified otherwise.

Option		304 SS Hardware	316 SS Hardware
Series		XT	
Smart Code		KA	KA
Frame	143/145	\$328	\$438
	182/184	\$328	\$438
	213/215	\$383	\$492
	254/256	\$438	\$547
	284/286	\$438	\$547
	324/326	\$711	\$875
	364/365	\$766	\$875
	404/405	\$875	\$1,094
	444/445	\$930	\$1,148
	447	\$984	\$1,203
	449/500	\$984	\$1,313 (1)
5000/5800	\$1,094	\$1,531 (1)	

(1) Contact Toshiba for medium voltage motors and/or form-wound motors.

Special Notes:

- Adders above are not available on explosion proof product.

Insulation Modifications

Insulation systems are divided into classes according to the thermal endurance by temperature rating. Standard motor insulation comes non-hygroscopic Class F (utilizing Class H components), and is dipped and baked in a Class H varnish. Unusual or severe applications may require special insulation systems or winding protection.

Upgrade to Class H Insulation System

Option		Class H
Series		XT
Smart Code		—
Frame	143/145	\$284
	182/184	\$284
	213/215	\$284
	254/256	\$372
	284/286	\$656
	324/326	\$809
	364/365	\$1,039
	404/405	\$1,498
	444/445	\$2,122
	447	\$2,625
	449/500	\$3,281 (1)
5000/5800	\$4,375 (1)	

(1) Contact Toshiba for medium voltage and/or form wound motors.

Special Notes:

- Adders above not available on explosion proof product.
- Class-H insulation is standard on dry kiln product.

Internal Coating for Extreme Service Operation

This adder provides additional insulation coating as well as corrosion protection for all internal machined surfaces.

Option		Internal Coating
Series		XT
Smart Code		CF
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
5000/5800	\$2,734	

Special Notes:

- This adder comes standard on all 840 and all 841 product.

Additional Dip and Bake

Improve motor's insulation system by applying an additional dip and bake or an additional VPI process..

Option		Add Dip & Bake
Series		XT
Smart Code		CG
Frame	143/145	\$230
	182/184	\$230
	213/215	\$230
	254/256	\$306
	284/286	\$492
	324/326	\$656
	364/365	\$820
	404/405	\$1,094
	444/445	\$1,477
	447	\$1,477
	449/500	\$1,969
5000/5800	\$2,734	

Tropicalize/Fungus-Proof Windings

Unwanted fungi may over time break down a motor's insulation system. The addition of the tropicalize/fungus-proof adder will protect motor windings from this type of problem.

Option		Tropicalize/ Fungus-Proof Winding
Series		XT
Smart Code		CH
Frame	143/145	\$109
	182/184	\$109
	213/215	\$164
	254/256	\$219
	284/286	\$328
	324/326	\$438
	364/365	\$547
	404/405	\$711
	444/445	\$930
	447	\$1,203
	449/500	\$1,203
5000/5800	\$1,531	

Encapsulate Windings

The encapsulate windings adder consists of an additional epoxy resin coating on the motor winding. Protects motor internally in situations where internal components will be directly exposed to corrosive and/or humid environments.

Option		Encapsulate (1)
Series		XT
Smart Code		CI
Frame	143/145	\$656
	182/184	\$656
	213/215	\$656
	254/256	\$1,050
	284/286	\$1,214
	324/326	\$1,313
	364/365	\$1,553
	404/405	\$2,166
	444/445	\$2,964
	447	\$3,281
	449/500	Contact Toshiba
5000/5800		

(1) List prices apply to open drip proof motors only.

Special Notes:

- Adders above are not available on explosion proof or totally enclosed fan cooled product.

Epoxy Coating on Motor Windings

This adder provides additional protection against corrosive and/or humid environments.

Option		Epoxy Coating
Series		XT
Smart Code		CJ
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
5000/5800	\$2,734	

Labels

See "Nameplates" section for information.

Leads Length/Lead Terminals

Crimp-Type Lead Lugs/Ring Terminals Come Standard on Motors as Follows:

1. 210 Frame and Larger on EQPIII-840 Product
2. All EQPIII-841 Motor
3. All Other 280 Frame and Larger Motors

Crimp Terminals

Option		Crimp
Series		XT
Smart Code		CT
Frame	143/145	\$109
	182/184	\$109
	213/215	\$153
	254/256	\$153
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
5000/5800	—	

Burndy Lugs/Two-Hole Terminals

Option		Burndy
Series		XT
Smart Code		CT
Frame	143/145	\$580
	182/184	\$580
	213/215	\$744
	254/256	\$744
	284/286	\$744
	324/326	\$744
	364/365	\$744
	404/405	\$744
	444/445	\$744
	447	\$744
	449/500	\$744
5000/5800	\$744	

Longer Lead Length than Standard

Standard lead length is 6" for frames 360 and smaller, 9" for frames 400 and larger, and 12" on all EQPIII-841 motors. Prices are based on a per foot, per lead basis. Multiply the number of motor leads by the number of desired feet and then by the applicable charge below.

Option		Per Foot, Per Lead (1)
Series		XT
Smart Code		C1
Frame	143/145	\$11
	182/184	\$11
	213/215	\$11
	254/256	\$11
	284/286	\$18
	324/326	\$18
	364/365	\$22
	404/405	\$22
	444/445	\$33
	447	\$33
	449/500	\$55
5000/5800	\$55	

(1) For standard number of leads, refer to the Toshiba Installation and Maintenance Manual.

Neutral Lead (Three-Lead Plus a Neutral)

Option		Neutral Lead
Series		XT
Smart Code		CD
Frame	143/145	\$175
	182/184	\$175
	213/215	\$219
	254/256	\$273
	284/286	\$328
	324/326	\$558
	364/365	\$820
	404/405	\$1,291
	444/445	(1)
	447	(1)
	449/500	(1)
5000/5800	(1)	

(1) Contact Toshiba for availability and pricing.

Lubrication

All bearings in motors with Class F insulation will be furnished with a lubricant that is capable of operating in ambient temperatures between -25° and 65°C . Please note that it is not recommended to mix greases of different bases. The mixing of different types of thickeners may destroy the composition and physical properties of the grease.

High Temperature Grease

This adder is for applications in which the ambient temperature is greater than 65°C .

Option		High Temp. Grease
Series		XT
Smart Code		LM
Frame	143/145	\$109
	182/184	\$109
	213/215	\$109
	254/256	\$109
	284/286	\$109
	324/326	\$273
	364/365	\$273
	404/405	\$273
	444/445	\$273
	447	\$273
	449/500	\$273
5000/5800	\$273	

Low Temperature Grease

This adder is for applications in which the ambient temperature ranges from -25° to -40°C .

Option		Low Temp. Grease
Series		XT
Smart Code		LN
Frame	143/145	\$109
	182/184	\$109
	213/215	\$109
	254/256	\$109
	284/286	\$109
	324/326	\$273
	364/365	\$273
	404/405	\$273
	444/445	\$273
	447	\$273
	449/500	\$273
5000/5800	\$273	

Special-Based Grease

This adder is for applications in which the customer specifies a grease other than the Toshiba standard.

Option		Special Grease
Series		XT
Smart Code		LO
Frame	143/145	Contact Toshiba
	182/184	
	213/215	
	254/256	
	284/286	
	324/326	
	364/365	
	404/405	
	444/445	
	447	
449/500		
5000/5800		

Oil-Mist

Oil-mist lubrication is available on EQPIII-840 and EQPIII-841 motors only. Toshiba's EQPIII-840 and EQPIII-841 motors can be modified to accept an externally-generated oil-mist/dry sump lubrication arrangement. The type of preparation must be noted within the purchase order:

1. Oil-Mist Ready (provision for future oil mist): The bearing cavity is arranged for oil-mist, but the bearings will be packed with grease for normal operation. Should the oil-mist system be connected, Toshiba recommends that the grease be cleaned from the bearings and bearing cavities.
2. Oil-Mist Lubricated: The bearings will receive a light coat of oil for testing and shipment; however, the oil-mist system must be connected upon receipt of product.

Option		Oil-Mist Ready	Oil-Mist
Series		XT	
Smart Code		KS	KR
Frame	143/145	\$766	\$766
	182/184	\$766	\$766
	213/215	\$766	\$766
	254/256	\$875	\$875
	284/286	\$875	\$875
	324/326	\$1,094	\$1,094
	364/365	\$1,313	\$1,313
	404/405	\$1,750	\$1,750
	444/445	\$2,625	\$2,625
	447	\$3,172	\$3,172
	449/500	\$3,172	\$3,172
	5000/5800	\$3,828	\$3,828

Special Notes:

- Adders above are not available on explosion proof product.
- This adder is not available on general purpose vertical shaft down or shaft up applications.
- Oil-mist options are available on our vertical solid shaft p-base products.

Nameplates

Standard nameplates are 304-grade stainless steel with engraved lettering. Additional nameplates for remote-mounting and special markings are available.

Duplicate or Special Nameplates

For requests other than what is listed below contact Toshiba.

Option		Re-Nameplate	Duplicate Nameplate	Special ID Tag
Series		XT		
Smart Code		A1, A2	A3	A4
Frame	All Frames	\$131	\$131	\$131

Paint

The standard paint finish is a self-priming, air-dried, acrylic alkyd resin finish. Beyond the standard colors offered by Toshiba, special colors and types of paints are available upon request. For special paint requirements, full specifications and color chip/manufacture color code will be required. Special paints requiring special application/curing equipment may not be available. Contact Toshiba with full details.

Option		Color Change Only	Special
Series		XT	
Smart Code		—	JZ
Frame	143/145	\$438	Contact Toshiba
	182/184	\$438	
	213/215	\$438	
	254/256	\$547	
	284/286	\$547	
	324/326	\$656	
	364/365	\$656	
	404/405	\$766	
	444/445	\$875	
	447	\$875	
	449/500	\$984	
	5000/5800	\$1,094	

Screens

Corrosion-resistant screens covering air inlets and outlets of open drip proof motors are available. Motors equipped with screens will meet the NEMA guarded definition.

Screens to an Open Drip Proof Motor

Option	Corrosion-Resistant	Stainless Steel	WP11 - Corrosion-Resistant	WP11 - Stainless Steel
Series	XT			
Smart Code	JM	JN	—	—
Frame	143/145	\$219	\$273	—
	182/184	\$273	\$328	—
	213/215	\$306	\$361	—
	254/256	\$361	\$416	—
	284/286	\$383	\$438	—
	324/326	\$438	\$547	—
	364/365	\$547	\$766	—
	404/405	\$766	\$1,094	—
	444/445	\$820	\$1,203	—
	447	\$875	\$1,258	—
	449/500	\$875	\$1,258	—
	5000/5800	\$1,094	\$1,641	\$1,500

Special Notes:

- Screens come standard on oil well pump motors.

Seals

Shaft seals are installed on the shaft at the bracket face to prevent the ingress of dirt and liquid.

Option	V-Ring Drive End (1)	V-Ring Both Ends (1)	Labyrinth Drive End (2)	Labyrinth Both Ends (2)	Taconite Drive End (3)	Taconite Both Ends (3)
Series	XT					
Smart Code	JP	—	JR	JS	—	—
Frame	143/145	\$142	\$284	\$492	\$984	\$492
	182/184	\$186	\$372	\$492	\$984	\$492
	213/215	\$186	\$372	\$547	\$1,094	\$547
	254/256	\$186	\$372	\$656	\$1,313	\$656
	284/286	\$197	\$394	\$766	\$1,531	\$766
	324/326	\$252	\$503	\$766	\$1,531	\$766
	364/365	\$252	\$503	\$984	\$1,969	\$984
	404/405	\$317	\$634	\$984	\$1,969	\$984
	444/445	\$328	\$656	\$1,203	\$2,406	\$1,203
	447	\$328	\$656	\$1,422	\$2,844	\$1,422
	449/500	\$350	\$700	\$1,531	\$3,063	\$1,531
5000/5800	\$350	\$700	\$1,641	\$3,281	\$1,641	

(1) V-Ring shaft seals come standard on the drive end of totally enclosed motors.

(2) Non-contact labyrinth seals come standard on both ends of EQP III-840, EQP Global 840, EQP III-841, and EQP Global 841 motors 320 frame and larger.

(3) The taconite construction consists of two special bronze labyrinth seals (one on each end).

Special Notes:

• Adders above are not available on explosion proof product.

Service Factor

Standard stock motors are designed for 1.15 service factor unless otherwise noted. Higher service factors are available if requested. Inquiries for service factors above 1.15 should be submitted to Toshiba for review. In certain cases a higher service factor will require an increase in frame size or a special design.

Shafts

For shafts other than the Toshiba standard, see adders below.

NEMA Double-Shaft

Option	NEMA Double-Shaft	
Series	XT	
Smart Code	EA	
Frame	143/145	\$153
	182/184	\$153
	213/215	\$208
	254/256	\$273
	284/286	\$405
	324/326	\$591
	364/365	\$667
	404/405	\$733
	444/445	\$973
	447	\$973
	449/500	\$973 (1)
5000/5800	—	

(1) The NEMA double-shaft adder is defined up to N449 frame only. For 500 frame & larger see special shaft adder section.

NEMA TS-Shaft to NEMA T-Shaft

Option	NEMA TS to NEMA T (2-Pole Motors)	
Series	XT	
Smart Code	EB	
Frame	284/286	\$405
	324/326	\$591
	364/365	\$667
	404/405	\$755

Special Notes:

• T-shaft, 2-pole motors are not recommended for belted applications.

NEMA TS Short Shaft

Toshiba does not charge for this modification on a production basis for direct coupled applications. Requests for this option will be subject to standard factory lead times.

Special Shaft (Non-NEMA)

Any special shafts beyond what is listed above require adders from both Table A and Table B below.

- Table A – Base Charge for Shaft
- Table B – Shaft Feature Adder

Table A – Base Adder for Special Shaft Requirement

Option	Quantity 1	Quantity 2-4	Quantity 5+
Series	XT		
Smart Code	—	—	—
Frame	143/145	\$656	\$295
	182/184	\$656	\$295
	213/215	\$766	\$295
	254/256	\$831	\$328
	284/286	\$930	\$372
	324/326	\$1,006	\$427
	364/365	\$1,192	\$481
	404/405	\$1,389	\$492
	444/445	\$1,641	\$678
	447	\$1,750	\$711
	449/500	\$1,750	\$711
5000/5800	\$2,406	\$1,148	\$656

Table B - Shaft Features/Material

Option	304 Stainless Steel (1)	316 Stainless Steel (1)	416 Stainless Steel (2)	4142 High Carbon Steel	For each additional 5" length (3)	Drill & Tap in Shaft End	Steps – For Each Step or Reduced Dia.	Special Keyway	Threads	Tapers
Series	XT									
Smart Code	EG	EH	EK	—	—	—	—	—	—	—
Frame	143/145	\$175	\$328	\$131	\$66	\$66	\$66	\$66	\$66	\$88
	182/184	\$175	\$328	\$131	\$66	\$66	\$66	\$66	\$66	\$88
	213/215	\$372	\$711	\$273	\$98	\$98	\$98	\$98	\$98	\$109
	254/256	\$514	\$1,006	\$383	\$98	\$98	\$98	\$98	\$98	\$142
	284/286	\$766	\$1,498	\$569	\$120	\$120	\$120	\$120	\$120	\$175
	324/326	\$1,389	\$2,734	\$984	\$153	\$153	\$153	\$153	\$153	\$208
	364/365	\$1,794	\$3,588	\$1,313	\$164	\$164	\$164	\$164	\$164	\$230
	404/405	\$2,581	\$5,163	\$1,936	\$186	\$186	\$186	\$186	\$186	\$263
	444/445	\$2,767	\$5,534	\$2,078	\$219	\$219	\$219	\$219	\$219	\$295
	447	\$2,898	\$5,797	\$2,078	\$230	\$230	\$230	\$230	\$230	\$306
	449/500	\$3,063	\$6,125	\$2,188	\$230	\$230	\$230	\$230	\$230	\$306
5000/5800	\$3,281	\$6,563	\$2,461	\$273	\$273	\$273	\$273	\$273	\$438	

(1) Not available on 2-pole (3600 RPM) motors.

(2) The use of 416 stainless steel is required for 2-pole motors.

(3) For lengths greater than four times the shaft diameter, contact Toshiba for availability and pricing.

Shaft Seals

See "Seals" modification section.

Shaft Grounding Provisions

Shaft grounding provisions help to eliminate shaft currents that can be introduced into the motor through upstream controllers (ie: adjustable speed drives). These currents can potentially lead to premature failure of the bearings, commonly referred to as “fluting.”

Option	Shaft Grounding (1)	
Series	XT	
Smart Code	—	
Frame	143/145	\$1,367
	182/184	\$1,367
	213/215	\$1,367
	254/256	\$1,367
	284/286	\$1,367
	324/326	\$1,477
	364/365	\$1,641
	404/405	\$1,805
	444/445	\$2,187
	447	\$2,187
	449/500	\$2,187
5000/5800	\$2,734	

(1) For additional or alternative protection against shaft currents see insulated bearings, under “Bearings” section.

Special Notes:

- Adders above are not available on explosion proof product.
- Insulating the bearings is recommended when the shaft voltage exceeds 300 mV.
- It is up to the user to determine when insulated bearings are required, especially with the use of an inverter-fed control. NEMA MG1 Part 31 suggests insulating the bearing(s) on all motors in 500 series frames and larger that are inverter-fed.
- Toshiba suggests insulating both bearings on all frame sizes 440 and larger, when used with adjustable speed drives.
- Where insulated bearings are used on direct coupled applications the use of insulated coupling and/or shaft grounding brush is required to reduce the risk of driven equipment bearing damage.
 - * Ground brushes are not suitable for Division 2 environments.
- If bearing thermal devices are required with insulated bearings a special version of the thermal device will be required.
- Contact Toshiba for the availability and price of this thermal device.

Software: Engineering Data

Toshiba provides a variety of software for stock and production motors. The following standard Toshiba data package is available, only if specified at the time of order, at no additional charge: certified prints, nameplate data, performance data, connection diagram, instructional and maintenance manual, and spare bearings parts list.

Above data will be sent out in electronic format (pdf only). If hard copy of information is required, see the adder below. For software other than what is listed above or that is specified after time of order see table below.

Prices below are **NET** adders per option.

Software	Price
Toshiba Standard Software Package (1)	\$50
Speed Torque and Speed-Current Curve	\$50
Thermal Damage (Safe Stall Time) Curve	\$50
Performance Curve	\$50
Torsional Data (3)	\$75
Non-Standard Outline Drawing	Contact Toshiba
Certificate of Compliance	\$50
First Page of Customer Supplied Data Sheet (2)	\$30
Additional Pages of Customer Supplied Data Sheet (2)	\$15
Additional Copies of Data	\$5
Express Shipping	\$25
Other special requests	Contact Toshiba

(1) This adder applies only if it is specified after the order has been entered and acknowledged.

(2) This adder pertains to typical Toshiba performance data only.

(3) This adder will include shaft drawing, rotor assembly inertia, shaft torsional stiffness values.

Space Heaters

Space heaters are strip-type heaters mounted inside the frame near the coils to prevent moisture condensation in the motor during times the motor is not energized. Heater leads are brought out to the motor's main conduit box on low voltage motors and to an auxiliary box on medium voltage motors, and marked H1 and H2. Standard heater voltage is 120 V single-phase unless otherwise specified.

Option		Standard	Division 2	Explosion Proof
Series			XT	
Smart Code		HH	—	—
Frame	143/145	\$328	\$634	\$634
	182/184	\$328	\$634	\$634
	213/215	\$328	\$634	\$634
	254/256	\$328	\$634	\$634
	284/286	\$481	\$952	\$952
	324/326	\$481	\$952	\$952
	364/365	\$580	\$1,148	\$1,148
	404/405	\$700	\$1,400	\$1,400
	444/445	\$831	\$1,652	\$1,652
	447	\$941	\$1,859	\$1,859
	449/500	\$941	\$1,859	\$1,859
	5000/5800	\$1,148	\$2,297	—
All MV Motors	\$1,425	\$2,850	—	

Starting/Connection

Toshiba standard stock motors have various starting connections/configurations available. For special or non-standard starting requirements use the modifications below.

Option		Part Winding	Wye-Delta
Series		XT	
Smart Code		AH	AI
Frame	143/145	—	—
	182/184	—	—
	213/215	\$153	\$153
	254/256	\$208	\$208
	284/286	\$241	\$241
	324/326	\$295	\$295
	364/365	\$427	\$427
	404/405	\$667	\$667
	444/445	\$1,083	\$1,083
	447	\$1,203	\$1,203
	449/500	\$1,203 (1)	\$1,203 (1)
	5000/5800	(1)	(1)

(1) Contact Toshiba on 500 frames and larger for price and availability

Special Notes:

- This adder is not applicable on medium voltage motors.

Surge Protection

Surge protection for motors is available on 440 frames and larger.

Option		Surge Capacitors*	Lightning Arrestor*	Surge Protection Package*	Current Transformer (1) (One Per Phase)
Series				XT	
Frame	449/500	\$4,750	\$16,700	\$20,925	\$5,900
	5000/5800	\$4,750	\$16,700	\$20,925	\$5,900

* Not Available for use with ASD control.

(1) Current transformers supplied with 10:1 current ratio as standard. Specify if other current ratio is desired.

Special Notes:

- This adder comes with an oversized main terminal box.

Terminal Blocks

Insulated stud-type terminal blocks/strips can be provided for single voltage, single speed applications in the standard conduit box.

Option		Terminal Block (1)	Terminal Strip (2)
Series		XT	
Smart Code		GR	—
Frame	143/145	\$339	\$219
	182/184	\$339	\$219
	213/215	\$339	\$219
	254/256	\$339	\$219
	284/286	\$405	\$219
	324/326	\$733	\$219
	364/365	\$733	\$219
	404/405	\$733	\$219
	444/445	\$1,444	\$219
	447	\$1,444	\$219
	449/500	(3)	\$219
5000/5800	(3)	\$219	

(1) This adder refers to power leads only.

(2) This adder refers to accessory leads only.

(3) Please contact Toshiba for pricing information on this adder.

Special Notes:

- Adders above are not available on explosion proof product or on medium voltage motors.

Testing

Toshiba motors are tested in compliance with IEEE Std. 112 to meet NEMA MG1 requirements. Test reports and optional testing are available for each individual motor. Duplicates/copies of standard routine test reports are available.

Please contact Toshiba for scheduling/coordination for witness testing requirements.

Prices below are **NET** adders per option.

Option	Routine, Unwitnessed (Report Only)	Routine, Witnessed	Complete, Unwitnessed	Complete, Witnessed	Noise, Unwitnessed (1)	Noise, Witnessed (1)	Vibration	Insulation Resistance	Polarization Index	
Series	CT & XT									
Smart Code										
Frame	143/145	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	182/184	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	213/215	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	254/256	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$400	\$550
	284/286	\$30	\$500	\$1,450	\$1,750	\$800	\$1,200	\$800	\$400	\$550
	324/326	\$30	\$500	\$1,700	\$2,000	\$800	\$1,200	\$800	\$450	\$600
	364/365	\$30	\$750	\$1,950	\$2,250	\$800	\$1,200	\$800	\$450	\$600
	404/405	\$30	\$750	\$2,200	\$2,500	\$800	\$1,200	\$800	\$500	\$650
	444/445	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$500	\$650
	447	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$550	\$700
	449/500	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700
5000/5800	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700	
MV Motors		\$4,700	\$5,136	\$9,120	\$1,750	\$2,800	\$1,250	\$750	\$900	

(1) Noise test consists of overall sound pressure values/readings only. For octave band measurements, contact Toshiba.

Special Notes:

- For testing of more than one voltage or speed, multiply the adder above by the following.
 One Additional Voltage or Speed ----- 1.50
 Two Additional Voltages or Speeds ----- 2.00
 Three Additional Voltages or Speeds ----- 2.50
- Contact Toshiba for additional voltages not listed below.
- Contact Toshiba for API or immersion testing on medium voltage motors.

Thermal Protection

Toshiba provides a wide variety of protective devices which are available as follows.

Thermostats (Klixons)

Toshiba's standard offering includes a normally-closed (NC), bi-metallic, temperature actuated element mounted on the stator winding. Leads are marked P1 and P2. Termination of the leads is in the main conduit box. Special thermostats are available upon request. Contact Toshiba for pricing and availability.

Option		Klixons (NC) (2)	Klixons NO	Hermetically Sealed (1)
Series			XT	
Smart Code		DB	—	—
Frame	143/145	\$164	\$219	\$328
	182/184	\$164	\$219	\$328
	213/215	\$164	\$219	\$328
	254/256	\$164	\$219	\$328
	284/286	\$164	\$219	\$328
	324/326	\$230	\$328	\$459
	364/365	\$230	\$328	\$459
	404/405	\$328	\$438	\$656
	444/445	\$328	\$438	\$656
	447	\$405	\$547	\$809
	449/500	\$405	\$547	\$809
	5000/5800	\$438	\$656	\$875

(1) Division 2 environments require the use of hermetically-sealed thermostats.

(2) This comes standard on explosion proof and vector ready motors.

Special Notes:

- This adder is not applicable on medium voltage motors.

Winding PTC Thermistors

Non-linear resistance temperature detectors are mounted on the motor winding. This thermal protection consists of three thermistors only or three thermistors with a solid state control relay. The provided control relay is intended for mounting in a remote location.

Option		Mark A (PTC) Thermistor	Mark A (PTC) Thermistor & Module
Series			XT
Smart Code		DE	DF
Frame	143/145	\$328	\$1,367
	182/184	\$328	\$1,367
	213/215	\$328	\$1,367
	254/256	\$328	\$1,367
	284/286	\$328	\$1,367
	324/326	\$328	\$1,367
	364/365	\$328	\$1,367
	404/405	\$328	\$1,367
	444/445	\$328	\$1,367
	447	\$328	\$1,367
	449/500	\$328	\$1,367
	5000/5800	\$328	\$1,367
	MV Motors (1)	\$975	\$2,012

(1) This adder includes auxiliary conduit.

Special Notes:

- Adders above are not available on explosion proof product.

Thermocouples

Winding (Stator) Thermocouples – A set of six (two per phase) winding thermocouples are provided and leads are terminated in a separate auxiliary conduit box . Pricing below does not include readout device(s).

Option	Stator Thermocouples "Type J"	Stator Thermocouples "Type T"	Stator Thermocouples "Type E"	Stator Thermocouples "Type K"	
Series	XT				
Smart Code	DP	DQ	DR	DS	
Frame	143/145	—	—	—	
	182/184	—	—	—	
	213/215	—	—	—	
	254/256	\$2,625	\$2,625	\$2,625	\$2,625
	284/286	\$2,625	\$2,625	\$2,625	\$2,625
	324/326	\$2,625	\$2,625	\$2,625	\$2,625
	364/365	\$2,625	\$2,625	\$2,625	\$2,625
	404/405	\$2,625	\$2,625	\$2,625	\$2,625
	444/445	\$2,625	\$2,625	\$2,625	\$2,625
	447	\$2,625	\$2,625	\$2,625	\$2,625
449/500	\$2,625	\$2,625	\$2,625	\$2,625	
5000/5800	\$2,625	\$2,625	\$2,625	\$2,625	

Bearing Thermocouple – Pricing includes one per bearing (total of two thermocouples) with leads terminated in separate terminal housings. Pricing below does not include readout device(s).

Option	Bearing Thermocouples "Type J"	Bearing Thermocouples "Type T"	Bearing Thermocouples "Type E"	Bearing Thermocouples "Type K"	
Series	XT				
Smart Code	DT	DU	DV	DW	
Frame	143/145	—	—	—	
	182/184	—	—	—	
	213/215	—	—	—	
	254/256	\$3,938	\$3,938	\$3,938	\$3,938
	284/286	\$3,938	\$3,938	\$3,938	\$3,938
	324/326	\$3,938	\$3,938	\$3,938	\$3,938
	364/365	\$3,938	\$3,938	\$3,938	\$3,938
	404/405	\$3,938	\$3,938	\$3,938	\$3,938
	444/445	\$3,938	\$3,938	\$3,938	\$3,938
	447	\$3,938	\$3,938	\$3,938	\$3,938
	449/500	\$3,938	\$3,938	\$3,938	\$3,938
	5000/5800	\$3,938	\$3,938	\$3,938	\$3,938

Resistance Temperature Detectors (RTDs)

Winding (Stator) RTDs - A set of six (two per phase, three leads) winding RTDs are provided with leads terminated in an auxiliary conduit box. Pricing below does not include readout device(s).

Option	Stator RTDs (Copper; 10 ohm)	Stator RTDs (Platinum; 100 ohm)	Stator RTDs (Nickel; 120 ohm)	
Series	XT			
Smart Code	DJ	DK	DL	
Frame	143/145	—	—	
	182/184	—	—	
	213/215	—	—	
	254/256	\$4,266	\$4,266	\$4,266
	284/286	\$4,266	\$4,266	\$4,266
	324/326	\$4,266	\$4,266	\$4,266
	364/365	\$4,266	\$4,266	\$4,266
	404/405	\$4,266	\$4,266	\$4,266
	444/445	\$4,266	\$4,266	\$4,266
	447	\$4,266	\$4,266	\$4,266
	449/500	\$4,266	\$4,266	\$4,266
	5000/5800	\$4,266	\$4,266	\$4,266
	Medium Voltage	\$3,086	\$3,086	\$3,086

Special Notes:

- Contact Toshiba for pricing on other RTD types.
- This adder is included, as standard, on medium voltage totally enclosed fan cooled Dura-Bull TX motors.
- This adder is not available on explosion proof motors.

Bearing RTDs - Pricing includes one RTD per bearing (a total of two RTDs) and a three-lead single element design with leads terminated in separate terminal housings. Pricing below does not include readout device(s).

Option	Bearing RTDs (Copper; 10 ohm)	Bearing RTDs (Platinum; 100 ohm)	Bearing RTDs (Nickel; 120 ohm)	
Series	XT			
Smart Code	DM	DN	DO	
Frame	143/145	—	—	
	182/184	—	—	
	213/215	—	—	
	254/256	\$4,813	\$4,813	\$4,813
	284/286	\$4,813	\$4,813	\$4,813
	324/326	\$4,813	\$4,813	\$4,813
	364/365	\$4,813	\$4,813	\$4,813
	404/405	\$4,813	\$4,813	\$4,813
	444/445	\$4,813	\$4,813	\$4,813
	447	\$4,813	\$4,813	\$4,813
	449/500	\$4,813 (1)	\$4,813 (1)	\$4,813 (1)
	5000/5800	\$4,813 (1)	\$4,813 (1)	\$4,813 (1)

(1) For Dura-Bull TX™ design motors RTD adder is only \$1,450.

Special Notes:

- Contact Toshiba for pricing on other RTD types including dual element.
- Provisions for bearing RTDs are standard on medium voltage totally enclosed fan cooled Dura-Bull TX motors.
- This adder is not available on explosion proof motors.

Torque

Toshiba offers standard stock NEMA Design B and NEMA Design C motors in our catalog. For other special torque requirements (ie: starting/locked rotor, pull-up and/or breakdown torque) contact Toshiba. When available, please provide speed torque curve on the driven equipment and driven equipment inertia.

Vertical Jacking Provisions

Vertical jacking is used to assist in the proper alignment of the motor shaft with the driven equipment for shimming purposes. Provisions for four jacking bolts (one per foot) are provided. Jacking bolts are to be supplied by the customer.

Option	Vertical Jacking	
Series	XT	
Smart Code	MO	
Frame	143/145	545
	182/184	545
	213/215	650
	254/256	650
	284/286	760
	324/326	875
	364/365	875
	404/405	\$984
	444/445	\$984
	447	\$984
	449/500	\$1,203
	5000/5800	\$1,203

Special Notes:

- This adder comes standard on medium voltage totally enclosed fan cooled Dura-Bull TX motors.

Vertical Lifting Provisions

This modification provides vertical lifting provisions for standard horizontal footless motors that are mounted vertical shaft down only.

Option		Vertical Lifting (2)
Series		XT
Smart Code		MO
Frame	143/145	\$328
	182/184	\$394
	213/215	\$394
	254/256	\$547
	284/286	\$547
	324/326	\$755
	364/365	\$755
	404/405	\$952
	444/445	\$1,050
	447	\$1,050
	449/500	\$1,203 (1)
5000/5800	—	

(1) Vertical lifting not available on 500 frame motors.

(2) Contact Toshiba for footed motors.

Special Notes:

- Above adders not available on all open drip proof or explosion proof motors, and are not available on any foot-mounted motors.
- It is recommended that if a motor is mounted vertically a drip-cover also be provided (see "Drip-Cover" section).

Vibration Detectors

These detectors are for single direction monitoring (horizontal, vertical, or axial). For total coverage of all three directions, three detectors must be provided. Monitoring direction must be specified at time of order.

Vibration Switch

Robertshaw – This adder consists of a self-contained detector and switch. A Robertshaw is an acceleration-sensitive instrument that measures peak vibratory shock at the point of measurement.

Option	Provisions Only for Robertshaw (1, 3)	Robertshaw Sensor (2, 3)	Provisions for Accelerometer or Velocity Sensor (4)	Others
Series		XT		
Smart Code	OD	O4	—	—
Frame	143/145	—	\$547	Contact Toshiba
	182/184	—	\$547	
	213/215	—	\$547	
	254/256	\$1,039	\$4,266	
	284/286	\$1,039	\$4,266	
	324/326	\$1,039	\$4,266	
	364/365	\$1,039	\$4,266	
	404/405	\$1,039	\$4,266	
	444/445	\$1,039	\$4,266	
	447	\$1,039	\$4,266	
	449/500	\$1,039	\$4,266	
5000/5800	\$1,039	\$4,266	\$1,039	

(1) Provisions for mounting is based on a Robertshaw model number 366. For other sensor provisions contact Toshiba for price and availability.

(2) Standard model number offering is 366 (not suitable for Division 2 applications – Contact Toshiba for Division 2)

(3) This adder is not available on explosion proof motors.

(4) Pricing is based on Toshiba providing a single 1"-spot face surface with a ¼"-28 drill & tapped hole, unless specified otherwise

Accelerometer – For Accelerometer options please contact Toshiba.

Vibration Probe – For Vibration Probe options please contact Toshiba.

Voltage

Motors are designed to operate successfully at plus or minus ten percent (10%) rated voltage; or plus or minus five percent (5%) of rated frequency; or combined variation not to exceed ten percent (10%). For 60 hertz voltages other than 230/460, 460, 575; or 50 Hertz voltages other than 190/380, 208/415, 380, 400, 415, 440 please refer to the list adder for an applicable charge.

This adder applies to 600 volt motors or below only. Contact Toshiba for voltages above 600 that are not listed in this catalog.

Option		60 Hz	50 Hz (1)
Series		XT	
Smart Code		—	—
Frame	143/145	\$175	\$175
	182/184	\$175	\$175
	213/215	\$219	\$219
	254/256	\$273	\$273
	284/286	\$328	\$328
	324/326	\$558	\$558
	364/365	\$820	\$820
	404/405	\$1,291	\$1,291
	444/445	\$1,750	\$1,750
	447	\$2,144	\$2,144
	449/500	\$2,144	\$2,144
5000/5800	\$2,636	\$2,636	

(1) All 50 Hz motors require the addition of a 15% frequency charge (see "Frequency" section).

Windings (Special)

See "Voltage" modifications section.

Toshiba Spare Parts

This spare parts listings is applicable to low voltage motors only. Please contact Toshiba for medium voltage motor spare parts.

XT Series Spare Parts

C-Face Bracket

Series: XT	Pole Speed	Discount Symbol	ODP EPACT & EQP III	TEFC EPACT, EQP III, & EQP Global SD	TEFC EQP III-840, & EQP Global 840	TEFC EQP III-841, & EQP Global 841	TEXP	
Frame	140	All	MZPart	—	\$50	\$90	\$110	\$110
	180	All	MZPart	—	\$65	\$100	\$125	\$125
	210	All	MZPart	\$80 (1)	\$80	\$125	\$150	\$150
	250	All	MZPart	\$120 (1)	\$120	\$150	\$200	\$200
	280	2P	MZPart	\$225	\$200	\$215	\$225	\$350
	280	4 to 8-Pole	MZPart	\$225	\$200	\$215	\$225	\$350
	320	2-Pole	MZPart	\$325	\$225	\$275	\$275	\$400
	320	4 to 8-Pole	MZPart	\$325	\$225	\$275	\$275	\$400
	360	2-Pole	MZPart	\$500	\$375	\$375	\$375	\$450
	360	4 to 8-Pole	MZPart	\$500	\$375	\$375	\$375	\$450
	400	2-Pole	MZPart	\$600	\$525	\$525	\$525	—
	400	4 to 8-Pole Short Shaft	MZPart	\$600	\$525	\$525	\$525	—
	400	4 to 8-Pole	MZPart	\$600	\$525	\$525	\$525	—
	440	2-Pole	MZPart	\$900	\$675	\$675	\$675	—
	440	4 to 8-Pole Short Shaft	MZPart	\$900	\$675	\$675	\$675	—
	440	4 to 8-Pole	MZPart	\$900	\$675	\$675	\$675	—
	447	2-Pole	MZPart	\$900	\$675	\$675	\$675	—
	447	4 to 8-Pole Short Shaft	MZPart	\$900	\$675	\$675	\$675	—
	447	4 to 8-Pole	MZPart	\$900	\$675	\$675	\$675	—
	449	4 to 8-Pole	MZPart	—	\$750	\$750	\$750	—
	N449	2-Pole	MZPart	—	\$750	\$750	\$750	—
	N449	4 to 8-Pole	MZPart	—	\$750	\$750	\$750	—
	500	All	MZPart	—	—	—	—	—
	5000	4 to 8-Pole Short Shaft	MZPart	—	\$750	\$750	\$750	—
	580	All	MZPart	—	—	—	—	—
	5800	4 to 8-Pole Short Shaft	MZPart	—	\$850	\$850	\$850	—

1) The flange is not interchangeable on stock product. This refers to production motor replacement part only.

Special Notes:

- To ensure that the proper C-face is selected for the need, the motor's model and serial number must be provided at time of order.
- All C-faces are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm flange interchangeability.
- Totally enclosed explosion proof C-faces must be assembled by a UL certified service shop. Contact Toshiba for flange availability for items not listed.

D-Flange Bracket

Series: XT		Pole Speed	Discount Symbol	ODP EPACT & EQPIII	TEFC EPACT & EQPIII	TEFC EQPIII-840	TEFC EQPIII-841	TEXP
Frame	140	All	MZPart	—	\$80 (1)	\$80 (1)	\$80 (1)	—
	180	All	MZPart	—	\$125 (1)	\$125 (1)	\$125 (1)	—
	210	All	MZPart	—	\$150 (1)	\$150 (1)	\$150 (1)	—
	250	All	MZPart	—	\$225 (1)	\$225 (1)	\$225 (1)	—
	280	All	MZPart	—	\$250	\$250	\$250	—
	320	All	MZPart	—	\$400	\$400	\$400	—
	360	2-Pole	MZPart	—	\$600	\$600	\$600	—
	360	4 to 8-Pole	MZPart	—	\$600	\$600	\$600	—
	400	2-Pole	MZPart	\$725	\$725	\$725	\$725	—
	400	4 to 8-Pole	MZPart	—	\$725	\$725	\$725	—
	440	2-Pole	MZPart	\$800	\$800	\$800	\$800	—
	440	4 to 8-Pole	MZPart	—	\$800	\$800	\$800	—
	449	2-Pole	MZPart	\$1,000	—	—	—	—
	449	4 to 8-Pole	MZPart	—	—	—	—	—
	N449	2-Pole	MZPart	—	\$1,000	\$1,000	\$1,000	—
	N449	4 - 8P	MZPart	—	\$1,000	\$1,000	\$1,000	—
	500	2-Pole	MZPart	\$1,250	—	—	—	—
	500	4 to 8-Pole	MZPart	—	—	—	—	—
	5000	4 to 8-Pole Short Shaft	MZPart	—	\$1,250	\$1,250	\$1,250	—
580	All	MZPart	—	—	—	—	—	
5800	4 to 8-Pole Short Shaft	MZPart	—	\$1,400	\$1,400	\$1,400	—	

1) The flange is not interchangeable on stock product. This refers to production motor replacement part only.

Special Notes:

- To ensure that the proper D-flange is selected for the need, the motor's model and serial number must be provided at time of order.
- All D-flanges are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm flange interchangeability.
- Contact Toshiba for flange availability for items not listed.

Main Terminal Box

Series: XT		Enclosure	Discount Symbol	Steel	Cast Iron
Frame	140	ODP & TEFC	MZPart	\$20	\$25
	180	ODP & TEFC	MZPart	\$20	\$40
	210	ODP & TEFC	MZPart	\$30	\$50
	250	ODP & TEFC	MZPart	\$35	\$60
	280	ODP & TEFC	MZPart	\$45	\$100
	320	ODP & TEFC	MZPart	\$60	\$100
	360	ODP & TEFC	MZPart	\$75	\$150
	400	ODP	MZPart	\$100	\$275
	400	TEFC	MZPart	\$75	\$150
	440	ODP & TEFC	MZPart	\$100	\$275
	500	ODP & TEFC	MZPart	\$150	\$300
	5000	TEFC	MZPart	\$200	\$400
	5800	TEFC	MZPart	—	\$500
	N580	ODP & TEFC	MZPart	\$200	\$500

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
- Contact Toshiba for availability of parts not listed.

Slide Base

Series: XT		Enclosure	Discount Symbol	Single Adjusting	Double Adjusting
Frame	140	ODP & TEFC	MZPart	\$45	—
	180	ODP & TEFC	MZPart	\$55	—
	210	ODP & TEFC	MZPart	\$85	—
	250	ODP & TEFC	MZPart	\$120	\$170
	280	ODP & TEFC	MZPart	\$135	\$190
	320	ODP & TEFC	MZPart	\$150	\$250
	360	ODP & TEFC	MZPart	\$200	\$275
	400	ODP & TEFC	MZPart	—	\$325
	440	ODP & TEFC	MZPart	—	\$375
	447/449	ODP & TEFC	MZPart	—	\$925
	500	ODP & TEFC	MZPart	—	\$925
	5000/580	TEFC	MZPart	—	\$1,350

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
- Contact Toshiba for availability of parts not listed.

Fan Cover Guard, Drip Cover, Blower

Series: XT		Enclosure	Discount Symbol	Steel Fan Cover	Cast Iron Fan Cover	Steel Drip Cover	Blower
Frame	140	TEFC	MZPart	\$20	\$40	\$150	\$525
	180	TEFC	MZPart	\$25	\$50	\$200	\$550
	210	TEFC	MZPart	\$30	\$75	\$250	\$680
	250	TEFC	MZPart	\$50	\$100	\$300	\$750
	280	TEFC	MZPart	\$75	\$135	\$350	\$925
	320	TEFC	MZPart	\$100	\$200	\$400	\$1,075
	360	TEFC	MZPart	\$150	\$325	\$450	\$1,395
	400	TEFC	MZPart	\$275	\$450	—	\$1,650
	440	TEFC (2-Pole)	MZPart	\$450	\$1,100	—	\$1,725
	440	TEFC (4 to 8-Pole)	MZPart	\$350	\$800	—	\$1,725
	449	TEFC	MZPart	—	—	—	—
	N449	TEFC	MZPart	\$1,425	\$1,425	—	\$1,800
	500	TEFC (2-Pole)	MZPart	\$1,500	—	—	\$1,800
	500	TEFC (4 to 8-Pole)	MZPart	\$600	\$2,250	—	\$1,800
	5000	TEFC ((4 to 8-Pole)	MZPart	—	—	—	\$2,500
	5800	TEFC (4 to 8-Pole)	MZPart	—	—	—	\$3,000
	N587	TEFC (2-Pole)	MZPart	\$1,750	—	—	—
	N587	TEFC (4 to 8-Pole)	MZPart	\$1,250	\$3,100	—	—

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
- Contact Toshiba for availability of parts not listed.

CT Series Spare Parts

Cast Iron Main Terminal Box

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC
Frame	140	ALL	MZPart	\$20
	180	ALL	MZPart	\$30
	210	ALL	MZPart	\$40
	250	ALL	MZPart	\$50
	280	ALL	MZPart	\$70
	320	2P	MZPart	\$85
	320	4 - 6P	MZPart	\$85
	360	2P	MZPart	\$110
	360	4 - 6P	MZPart	\$110

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

Cast Iron Cover Guard

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC
Frame	140	TEFC	MZPart	\$35
	180	TEFC	MZPart	\$45
	210	TEFC	MZPart	\$70
	250	TEFC	MZPart	\$90
	280	TEFC	MZPart	\$125
	320	2-Pole	MZPart	\$175
	320	4 to 6-Pole	MZPart	\$175
	360	2-Pole	MZPart	\$250
	360	4 to 6-Pole	MZPart	\$250

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

C-Face Bracket

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC	TEFC
Frame	140	ALL	MZPart	—	\$45
	180	ALL	MZPart	—	\$60
	210	ALL	MZPart	\$60	\$75
	250	ALL	MZPart	\$90	\$110
	280	2-Pole	MZPart	\$150	\$180
	280	4 to 6-Pole	MZPart	\$150	\$180
	320	2-Pole	MZPart	\$175	\$210
	320	4 to 6-Pole	MZPart	\$175	\$210
	360	2-Pole	MZPart	\$225	\$350
	360	4 to 6-Pole	MZPart	\$225	\$350
	400	2-Pole	MZPart		\$640
	400 through 447	4 to 6-Pole	MZPart		\$720

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

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0014DPNC21A-P	\$326	5	0016FNWB42H	\$3,839	136	0022FTSC24A-P	\$580	22	0024XDSC41A-P	\$871	95
0014DPSA21A-P	\$346	2	0016FNWC42A	\$3,839	136	0022FTSC31A-P	\$607	16	0024XDSC42A-P	\$980	104
0014DPSA31A-P	\$450	7	0016FNWC42H	\$3,839	136	0022SDSC41A-P	\$612	82	0024XPEA21A-P	\$822	26
0014DPSC21A-P	\$346	2	0016FTCA21A-P	\$481	110	0022SDSC42A-P	\$754	98	0024XPSC21A-P	\$822	26
0014DPSC31A-P	\$450	7	0016FTCC21A-P	\$481	110	0022SDSR41A-P	\$612	82	0024XSSB41A-P	\$675	89
0014FCNA21A-P	\$363	14	0016FTSA21A-P	\$466	11	0022SDSR42A-P	\$754	98	0024XSSB42A-P	\$784	101
0014FCNC21A-P	\$363	14	0016FTSA22A-P	\$568	19	0022XDSB41A-P	\$915	95	0024XSSC41A-P	\$675	89
0014FNFB32A	\$1,548	133	0016FTSA24A-P	\$568	22	0022XDSB42A-P	\$1,024	104	0024XSSC42A-P	\$784	101
0014FNWB42A	\$3,253	136	0016FTSA31A-P	\$626	16	0022XDSC41A-P	\$915	95	0026DPNA21A-P	\$487	5
0014FNWB42H	\$3,253	136	0016FTSC21A-P	\$466	11	0022XDSC42A-P	\$1,024	104	0026DPNC21A-P	\$487	5
0014FNWC42A	\$3,253	136	0016FTSC22A-P	\$568	19	0022XPEA21A-P	\$854	26	0026DPSA21A-P	\$519	2
0014FNWC42H	\$3,253	136	0016FTSC24A-P	\$568	22	0022XPSC21A-P	\$854	26	0026DPSA31A-P	\$778	7
0014FTCA21A-P	\$391	110	0016FTSC31A-P	\$626	16	0022XSSB41A-P	\$695	89	0026DPSC21A-P	\$519	2
0014FTCC21A-P	\$391	110	0016SDSC41A-P	\$576	82	0022XSSB42A-P	\$804	101	0026DPSC31A-P	\$778	7
0014FTSA21A-P	\$386	11	0016SDSC42A-P	\$716	98	0022XSSC41A-P	\$695	89	0026FCNA21A-P	\$553	14
0014FTSA22A-P	\$471	19	0016SDSR41A-P	\$576	82	0022XSSC42A-P	\$804	101	0026FCNC21A-P	\$553	14
0014FTSA24A-P	\$471	22	0016SDSR42A-P	\$716	98	0024DPNA21A-P	\$393	5	0026FTCA21A-P	\$650	110
0014FTSA31A-P	\$483	16	0016XDSB41A-P	\$885	95	0024DPNC21A-P	\$393	5	0026FTCC21A-P	\$650	110
0014FTSC21A-P	\$386	11	0016XDSB42A-P	\$994	104	0024DPSA21A-P	\$418	2	0026FTSA21A-P	\$588	11
0014FTSC22A-P	\$471	19	0016XDSC41A-P	\$885	95	0024DPSA31A-P	\$541	7	0026FTSA22A-P	\$718	19
0014FTSC24A-P	\$471	22	0016XDSC42A-P	\$994	104	0024DPSC21A-P	\$418	2	0026FTSA24A-P	\$718	22
0014FTSC31A-P	\$483	16	0016XPEA21A-P	\$840	26	0024DPSC31A-P	\$541	7	0026FTSA31A-P	\$813	16
0014SDSC41A-P	\$464	82	0016XPEC21A-P	\$840	26	0024FCNA21A-P	\$423	14	0026FTSC21A-P	\$588	11
0014SDSC42A-P	\$598	98	0016XSSB41A-P	\$690	89	0024FCNC21A-P	\$423	14	0026FTSC22A-P	\$718	19
0014SDSR41A-P	\$464	82	0016XSSB42A-P	\$799	101	0024FCWB42A	\$4,205	137	0026FTSC24A-P	\$718	22
0014SDSR42A-P	\$598	98	0016XSSC41A-P	\$690	89	0024FCWB42H	\$4,205	137	0026FTSC31A-P	\$813	16
0014XDSB41A-P	\$714	95	0016XSSC42A-P	\$799	101	0024FCWC42A	\$4,205	137	0026SDSC41A-P	\$713	82
0014XDSB42A-P	\$823	104	0018DPSA21A	\$1,119	34	0024FCWC42H	\$4,205	137	0026SDSC42A-P	\$882	98
0014XDSC41A-P	\$714	95	0018DPSC21A	\$1,119	34	0024FNFB32A	\$1,676	133	0026SDSR41A-P	\$713	82
0014XDSC42A-P	\$823	104	0018FCSA21A	\$1,551	48	0024FTCA21A-P	\$456	110	0026SDSR42A-P	\$882	98
0014XPEA21A-P	\$726	26	0018FCSC21A	\$1,551	48	0024FTCC21A-P	\$456	110	0026XDSB41A-P	\$1,117	95
0014XPEC21A-P	\$726	26	0022DPNA21A-P	\$420	5	0024FTSA21A-P	\$450	11	0026XDSB42A-P	\$1,248	104
0014XSSB41A-P	\$552	89	0022DPNC21A-P	\$420	5	0024FTSA22A-P	\$548	19	0026XDSC41A-P	\$1,117	95
0014XSSB42A-P	\$661	101	0022DPSA21A-P	\$446	2	0024FTSA24A-P	\$548	22	0026XDSC42A-P	\$1,248	104
0014XSSC41A-P	\$552	89	0022DPSA31A-P	\$590	7	0024FTSA31A-P	\$603	16	0026XPEA21A-P	\$1,053	26
0014XSSC42A-P	\$661	101	0022DPSC21A-P	\$446	2	0024FTSC21A-P	\$450	11	0026XPSC21A-P	\$1,053	26
0016DPNA21A-P	\$427	5	0022DPSC31A-P	\$590	7	0024FTSC22A-P	\$548	19	0026XSSB41A-P	\$820	89
0016DPNC21A-P	\$427	5	0022FCNA21A-P	\$448	14	0024FTSC24A-P	\$548	22	0026XSSB42A-P	\$951	101
0016DPSA21A-P	\$455	2	0022FCNC21A-P	\$448	14	0024FTSC31A-P	\$603	16	0026XSSC41A-P	\$820	89
0016DPSA31A-P	\$607	7	0022FTSA21A-P	\$476	11	0024SDSC41A-P	\$554	82	0026XSSC42A-P	\$951	101
0016DPSC21A-P	\$455	2	0022FTSA22A-P	\$580	19	0024SDSC42A-P	\$693	98	0028DPSA21A	\$1,641	34
0016DPSC31A-P	\$607	7	0022FTSA24A-P	\$580	22	0024SDSR41A-P	\$554	82	0028DPSC21A	\$1,641	34
0016FCNA21A-P	\$438	14	0022FTSA31A-P	\$607	16	0024SDSR42A-P	\$693	98	0028FCSA21A	\$2,188	48
0016FCNC21A-P	\$438	14	0022FTSC21A-P	\$476	11	0024XDSB41A-P	\$871	95	0028FCSC21A	\$2,188	48

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0032DPSA21A-P	\$500	2	0034FTVB1PX-A	\$2,377	143	0038DPSA21A	\$2,048	34	0054FCWB42A	\$5,720	137
0032DPSA31A-P	\$678	7	0034FTVB3PW-A	\$2,989	141	0038DPSC21A	\$2,048	34	0054FCWC42A	\$5,720	137
0032DPSC21A-P	\$500	2	0034FTVB3PX-A	\$3,170	145	0038FCSA21A	\$2,731	48	0054FNFB32A	\$2,239	133
0032DPSC31A-P	\$678	7	0034SDSC41A-P	\$636	82	0038FCSC21A	\$2,731	48	0054FTCA21A-P	\$597	110
0032FCNA21A-P	\$524	14	0034SDSC42A-P	\$801	99	0042FCWB42A	\$5,327	137	0054FTCC21A-P	\$597	110
0032FCNC21A-P	\$524	14	0034SDSR41A-P	\$636	82	0042FCWC42A	\$5,327	137	0054FTSA21A-P	\$605	11
0032FTSA21A-P	\$545	11	0034SDSR42A-P	\$801	99	0042FNWB42A	\$5,327	137	0054FTSA22A-P	\$737	19
0032FTSA22A-P	\$666	19	0034XDSB41A-P	\$1,054	95	0042FNWC42A	\$5,327	137	0054FTSA24A-P	\$737	22
0032FTSA24A-P	\$666	22	0034XDSB42A-P	\$1,185	105	0052DPNA21A-P	\$559	5	0054FTSA31A-P	\$787	16
0032FTSA31A-P	\$753	16	0034XDSC41A-P	\$1,054	95	0052DPNC21A-P	\$559	5	0054FTSC21A-P	\$605	11
0032FTSC21A-P	\$545	11	0034XDSC42A-P	\$1,185	105	0052DPSA21A-P	\$593	2	0054FTSC22A-P	\$737	19
0032FTSC22A-P	\$666	19	0034XPEA21A-P	\$989	26	0052DPSA31A-P	\$802	7	0054FTSC24A-P	\$737	22
0032FTSC24A-P	\$666	22	0034XPEC21A-P	\$989	26	0052DPSC21A-P	\$593	2	0054FTSC31A-P	\$787	16
0032FTSC31A-P	\$753	16	0034XSSB41A-P	\$711	89	0052DPSC31A-P	\$802	7	0054FTVB1PX-A	\$3,069	143
0032FTVB1PX-A	\$2,426	143	0034XSSB42A-P	\$842	101	0052FCNA21A-P	\$633	14	0054FTVB3PW-A	\$3,862	141
0032FTVB3PW-A	\$3,051	141	0034XSSC41A-P	\$711	89	0052FCNC21A-P	\$633	14	0054FTVB3PX-A	\$4,093	145
0032FTVB3PX-A	\$3,235	145	0034XSSC42A-P	\$842	101	0052FTSA21A-P	\$675	11	0054SDSC41A-P	\$726	82
0032SDSC41A-P	\$647	82	0036DPKB11A	\$3,191	114	0052FTSA22A-P	\$823	19	0054SDSC42A-P	\$896	99
0032SDSC42A-P	\$813	99	0036DPNA21A-P	\$677	5	0052FTSA24A-P	\$823	22	0054SDSR41A-P	\$726	82
0032SDSR41A-P	\$647	82	0036DPNC21A-P	\$677	5	0052FTSA31A-P	\$881	16	0054SDSR42A-P	\$896	99
0032SDSR42A-P	\$813	99	0036DPSA21A-P	\$720	2	0052FTSC21A-P	\$675	11	0054XDSB41A-P	\$1,129	95
0032XDSB41A-P	\$1,123	95	0036DPSA31A-P	\$947	7	0052FTSC22A-P	\$823	19	0054XDSB42A-P	\$1,260	105
0032XDSB42A-P	\$1,254	105	0036DPSC21A-P	\$720	2	0052FTSC24A-P	\$823	22	0054XDSC41A-P	\$1,129	95
0032XDSC41A-P	\$1,123	95	0036DPSC31A-P	\$947	7	0052FTSC31A-P	\$881	16	0054XDSC42A-P	\$1,260	105
0032XDSC42A-P	\$1,254	105	0036FCNA21A-P	\$707	14	0052FTVB1PX-A	\$3,132	143	0054XPEA21A-P	\$1,145	27
0032XPEA21A-P	\$985	26	0036FCNC21A-P	\$707	14	0052FTVB3PW-A	\$3,941	141	0054XPEC21A-P	\$1,145	27
0032XPEC21A-P	\$985	26	0036FTCA21A-P	\$849	110	0052FTVB3PX-A	\$4,176	145	0054XSSB41A-P	\$830	89
0032XSSB41A-P	\$757	89	0036FTCC21A-P	\$849	110	0052SDSC41A-P	\$802	82	0054XSSB42A-P	\$961	102
0032XSSB42A-P	\$888	101	0036FTSA21A-P	\$752	11	0052SDSC42A-P	\$976	99	0054XSSC41A-P	\$830	89
0032XSSC41A-P	\$757	89	0036FTSA22A-P	\$916	19	0052SDSR41A-P	\$802	82	0054XSSC42A-P	\$961	102
0032XSSC42A-P	\$888	101	0036FTSA24A-P	\$916	22	0052SDSR42A-P	\$976	99	0056DPKB11A	\$3,329	114
0034DPNA21A-P	\$427	5	0036FTSA31A-P	\$1,001	16	0052XDSB41A-P	\$1,273	95	0056DPKB41A-Y	\$4,160	115
0034DPNC21A-P	\$427	5	0036FTSC21A-P	\$752	11	0052XDSB42A-P	\$1,404	105	0056DPKB41A-Z	\$4,783	116
0034DPSA21A-P	\$455	2	0036FTSC22A-P	\$916	19	0052XDSC41A-P	\$1,273	95	0056DPNA21A-P	\$926	5
0034DPSA31A-P	\$568	7	0036FTSC24A-P	\$916	22	0052XDSC42A-P	\$1,404	105	0056DPNC21A-P	\$926	5
0034DPSC21A-P	\$455	2	0036FTSC31A-P	\$1,001	16	0052XPEA21A-P	\$1,216	27	0056DPPD11A-P	\$1,068	108
0034DPSC31A-P	\$568	7	0036SDSC41A-P	\$906	82	0052XPEC21A-P	\$1,216	27	0056DPSA21A-P	\$984	2
0034FCNA21A-P	\$497	14	0036SDSC42A-P	\$1,129	99	0052XSSB41A-P	\$937	89	0056DPSA31A-P	\$1,307	7
0034FCNC21A-P	\$497	14	0036SDSR41A-P	\$906	82	0052XSSB42A-P	\$1,068	102	0056DPSC21A-P	\$984	2
0034FNFB32A	\$2,106	133	0036SDSR42A-P	\$1,129	99	0052XSSC41A-P	\$937	89	0056DPSC31A-P	\$1,307	7
0034FTCA21A-P	\$533	110	0036XDSB41A-P	\$1,364	95	0052XSSC42A-P	\$1,068	102	0056FCNA21A-P	\$1,008	14
0034FTCC21A-P	\$533	110	0036XDSB42A-P	\$1,539	105	0054DPKB11A	\$3,005	114	0056FCNC21A-P	\$1,008	14
0034FTSA21A-P	\$519	11	0036XDSC41A-P	\$1,364	95	0054DPNA21A-P	\$506	5	0056FTCA21A-P	\$1,090	110
0034FTSA22A-P	\$634	19	0036XDSC42A-P	\$1,539	105	0054DPNC21A-P	\$506	5	0056FTCC21A-P	\$1,090	110
0034FTSA24A-P	\$634	22	0036XPEA21A-P	\$1,332	26	0054DPSA21A-P	\$538	2	0056FTSA21A-P	\$1,072	11
0034FTSA31A-P	\$675	16	0036XPEC21A-P	\$1,332	26	0054DPSA31A-P	\$731	7	0056FTSA22A-P	\$1,307	19
0034FTSC21A-P	\$519	11	0036XSSB41A-P	\$1,002	89	0054DPSC21A-P	\$538	2	0056FTSA24A-P	\$1,307	22
0034FTSC22A-P	\$634	19	0036XSSB42A-P	\$1,177	102	0054DPSC31A-P	\$731	7	0056FTSA31A-P	\$1,376	16

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0056FTSC22A-P	\$1,307	20	0102XDSC42A-P	\$1,976	105	0106DPPD11A-P	\$1,665	108	0152FTSC21A-P	\$1,427	12
0056FTSC24A-P	\$1,307	22	0102XPEA21A-P	\$1,735	27	0106DPSA21A-P	\$1,430	3	0152FTSC22A-P	\$1,738	20
0056FTSC31A-P	\$1,376	16	0102XPEC21A-P	\$1,735	27	0106DPSA31A-P	\$2,012	8	0152FTSC24A-P	\$1,738	23
0056SDSC41A-P	\$1,332	82	0102XSSB41A-P	\$1,423	89	0106DPSC21A-P	\$1,430	3	0152FTSC31A-P	\$1,819	17
0056SDSC42A-P	\$1,578	99	0102XSSB42A-P	\$1,598	102	0106DPSC31A-P	\$2,012	8	0152FTVB1PX-A	\$4,604	143
0056SDSR41A-P	\$1,332	82	0102XSSC41A-P	\$1,423	89	0106FCNA21A-P	\$1,717	15	0152FTVB3PW-A	\$5,755	141
0056SDSR42A-P	\$1,578	99	0102XSSC42A-P	\$1,598	102	0106FCNC21A-P	\$1,717	15	0152FTVB3PX-A	\$5,986	145
0056XDSB41A-P	\$1,964	95	0104DPKB11A	\$3,329	114	0106FTCA21A-P	\$1,859	111	0152SDSC41A-P	\$1,714	82
0056XDSB42A-P	\$2,139	105	0104DPNA21A-P	\$866	6	0106FTCC21A-P	\$1,859	111	0152SDSC42A-P	\$1,977	99
0056XDSC41A-P	\$1,964	95	0104DPNC21A-P	\$866	6	0106FTSA21A-P	\$1,826	12	0152SDSR41A-P	\$1,714	82
0056XDSC42A-P	\$2,139	105	0104DPSA21A-P	\$920	3	0106FTSA22A-P	\$2,226	20	0152SDSR42A-P	\$1,977	99
0056XPEA21A-P	\$1,715	27	0104DPSA31A-P	\$1,262	8	0106FTSA24A-P	\$2,226	23	0152XDSB41A-P	\$2,478	95
0056XPEC21A-P	\$1,715	27	0104DPSC21A-P	\$920	3	0106FTSA31A-P	\$2,295	17	0152XDSB42A-P	\$2,741	105
0056XSB41A-P	\$1,411	89	0104DPSC31A-P	\$1,262	8	0106FTSC21A-P	\$1,826	12	0152XDSC41A-P	\$2,478	95
0056XSB42A-P	\$1,586	102	0104FCFB32A	\$3,132	133	0106FTSC22A-P	\$2,226	20	0152XDSC42A-P	\$2,741	105
0056XSSC41A-P	\$1,411	89	0104FCNA21A-P	\$984	15	0106FTSC24A-P	\$2,226	23	0152XPEA21A-P	\$2,257	27
0056XSSC42A-P	\$1,586	102	0104FCNC21A-P	\$984	15	0106FTSC31A-P	\$2,295	17	0152XPEC21A-P	\$2,257	27
0058DPKB11A	\$3,597	114	0104FNFB32A	\$3,581	133	0106SDSC41A-P	\$2,160	82	0152XSSB41A-P	\$1,950	90
0058DPKB21A-Y	\$4,498	115	0104FTCA21A-P	\$988	111	0106SDSC42A-P	\$2,423	99	0152XSSB42A-P	\$2,213	102
0058DPKB21A-Z	\$5,171	116	0104FTCC21A-P	\$988	111	0106SDSR41A-P	\$2,160	82	0152XSSC41A-P	\$1,950	90
0058DPSA21A	\$2,831	34	0104FTSA21A-P	\$1,046	12	0106SDSR42A-P	\$2,423	99	0152XSSC42A-P	\$2,213	102
0058DPSC21A	\$2,831	34	0104FTSA22A-P	\$1,275	20	0106XDSB41A-P	\$3,118	95	0154DPKB11A	\$3,597	114
0058FCSA21A	\$3,630	48	0104FTSA24A-P	\$1,275	23	0106XDSB42A-P	\$3,381	105	0154DPNA21A-P	\$1,185	6
0058FCSC21A	\$3,630	48	0104FTSA31A-P	\$1,316	17	0106XDSC41A-P	\$3,118	95	0154DPNC21A-P	\$1,185	6
0102DPNA21A-P	\$881	6	0104FTSC21A-P	\$1,046	12	0106XDSC42A-P	\$3,381	105	0154DPSA21A-P	\$1,260	3
0102DPNC21A-P	\$881	6	0104FTSC22A-P	\$1,275	20	0106XPEA21A-P	\$2,743	27	0154DPSA31A-P	\$1,685	8
0102DPSA21A-P	\$937	3	0104FTSC24A-P	\$1,275	23	0106XPEC21A-P	\$2,743	27	0154DPSC21A-P	\$1,260	3
0102DPSA31A-P	\$1,312	8	0104FTSC31A-P	\$1,316	17	0106XSSB41A-P	\$2,478	89	0154DPSC31A-P	\$1,685	8
0102DPSC21A-P	\$937	3	0104FTVB1PX-A	\$3,614	143	0106XSSB42A-P	\$2,741	102	0154FCFB32A	\$3,772	133
0102DPSC31A-P	\$1,312	8	0104FTVB3PW-A	\$4,551	141	0106XSSC41A-P	\$2,478	89	0154FCNA21A-P	\$1,340	15
0102FCNA21A-P	\$967	15	0104FTVB3PX-A	\$4,818	145	0106XSSC42A-P	\$2,741	102	0154FCNC21A-P	\$1,340	15
0102FCNC21A-P	\$967	15	0104SDSC41A-P	\$1,264	82	0108DPKB11A	\$5,346	114	0154FNFB32A	\$4,288	133
0102FTSA21A-P	\$1,029	12	0104SDSC42A-P	\$1,439	99	0108DPKB21A-Y	\$6,832	115	0154FTCA21A-P	\$1,424	111
0102FTSA22A-P	\$1,254	20	0104SDSR41A-P	\$1,264	82	0108DPKB21A-Z	\$7,684	116	0154FTCC21A-P	\$1,424	111
0102FTSA24A-P	\$1,254	23	0104SDSR42A-P	\$1,439	99	0108DPSA21A	\$4,272	34	0154FTSA21A-P	\$1,427	12
0102FTSA31A-P	\$1,369	17	0104XDSB41A-P	\$1,845	95	0108DPSC21A	\$4,272	34	0154FTSA22A-P	\$1,738	20
0102FTSC21A-P	\$1,029	12	0104XDSB42A-P	\$2,020	105	0108FCSA21A	\$5,349	48	0154FTSA24A-P	\$1,738	23
0102FTSC22A-P	\$1,254	20	0104XDSC41A-P	\$1,845	95	0108FCSC21A	\$5,349	48	0154FTSA31A-P	\$1,781	17
0102FTSC24A-P	\$1,254	23	0104XDSC42A-P	\$2,020	105	0152DPNA21A-P	\$1,207	6	0154FTSC21A-P	\$1,427	12
0102FTSC31A-P	\$1,369	17	0104XPEA21A-P	\$1,878	27	0152DPNC21A-P	\$1,207	6	0154FTSC22A-P	\$1,738	20
0102FTVB1PX-A	\$3,687	143	0104XPEC21A-P	\$1,878	27	0152DPSA21A-P	\$1,284	3	0154FTSC24A-P	\$1,738	23
0102FTVB3PW-A	\$4,641	141	0104XSSB41A-P	\$1,418	89	0152DPSA31A-P	\$1,730	8	0154FTSC31A-P	\$1,781	17
0102FTVB3PX-A	\$4,916	145	0104XSSB42A-P	\$1,593	102	0152DPSC21A-P	\$1,284	3	0154FTVB1PX-A	\$4,773	143
0102SDSC41A-P	\$1,246	82	0104XSSC41A-P	\$1,418	89	0152DPSC31A-P	\$1,730	8	0154FTVB3PW-A	\$5,965	141
0102SDSC42A-P	\$1,421	99	0104XSSC42A-P	\$1,593	102	0152FCNA21A-P	\$1,340	15	0154FTVB3PX-A	\$6,204	145
0102SDSR41A-P	\$1,246	82	0106DPKB11A	\$4,244	114	0152FCNC21A-P	\$1,340	15	0154SDSC41A-P	\$1,706	82
0102SDSR42A-P	\$1,421	99	0106DPKB41A-Y	\$5,306	115	0152FTSA21A-P	\$1,427	12	0154SDSC42A-P	\$1,969	99
0102XDSB41A-P	\$1,801	95	0106DPKB41A-Z	\$6,102	116	0152FTSA22A-P	\$1,738	20	0154SDSR41A-P	\$1,706	82
0102XDSB42A-P	\$1,976	105	0106DPNA21A-P	\$1,344	6	0152FTSA24A-P	\$1,738	23	0154SDSR42A-P	\$1,969	99

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0154XDSB42A-P	\$2,697	105	0158DPKB21A-Y	\$8,455	115	0204FTCC21A-P	\$1,757	111	0206SDSC41A-P	\$3,548	83
0154XDSC41A-P	\$2,434	95	0158DPKB21A-Z	\$9,723	116	0204FTSA21A-P	\$1,738	12	0206SDSC42A-P	\$3,986	99
0154XDSC42A-P	\$2,697	105	0158DPSA21A	\$5,615	34	0204FTSA22A-P	\$2,119	20	0206SDSR41A-P	\$3,548	83
0154XPEA21A-P	\$2,578	27	0158DPSC21A	\$5,615	34	0204FTSA24A-P	\$2,119	23	0206SDSR42A-P	\$3,986	99
0154XPEC21A-P	\$2,578	27	0158FCSA21A	\$6,961	48	0204FTSA31A-P	\$2,242	17	0206XDSB41A-P	\$5,043	96
0154XSSB41A-P	\$1,870	90	0158FCSC21A	\$6,961	48	0204FTSC21A-P	\$1,738	12	0206XDSB42A-P	\$5,481	105
0154XSSB42A-P	\$2,133	102	0202DPNA21A-P	\$1,438	6	0204FTSC22A-P	\$2,119	20	0206XDSC41A-P	\$5,043	96
0154XSSC41A-P	\$1,870	90	0202DPNC21A-P	\$1,438	6	0204FTSC24A-P	\$2,119	23	0206XDSC42A-P	\$5,481	105
0154XSSC42A-P	\$2,133	102	0202DPSA21A-P	\$1,530	3	0204FTSC31A-P	\$2,242	17	0206XPEA21A-P	\$4,442	27
0156BCFB32A	\$7,807	133	0202DPSA31A-P	\$2,109	8	0204FTVB1PX-A	\$5,440	143	0206XPEC21A-P	\$4,442	27
0156DPKB11A	\$5,346	114	0202DPSC21A-P	\$1,530	3	0204FTVB3PW-A	\$6,801	141	0206XSSB41A-P	\$3,876	90
0156DPKB41A-Y	\$6,832	115	0202DPSC31A-P	\$2,109	8	0204FTVB3PX-A	\$7,073	145	0206XSSB42A-P	\$4,314	102
0156DPKB41A-Z	\$7,857	116	0202FCNA21A-P	\$1,757	15	0204SDSC41A-P	\$2,107	83	0206XSSC41A-P	\$3,876	90
0156DPNA21A-P	\$1,892	6	0202FCNC21A-P	\$1,757	15	0204SDSC42A-P	\$2,370	99	0206XSSC42A-P	\$4,314	102
0156DPNC21A-P	\$1,892	6	0202FTSA21A-P	\$1,869	12	0204SDSR41A-P	\$2,107	83	0208DPKB11A	\$8,004	114
0156DPPD11A-P	\$2,321	108	0202FTSA22A-P	\$2,280	20	0204SDSR42A-P	\$2,370	99	0208DPKB41A-Y	\$10,005	115
0156DPSA21A-P	\$2,012	3	0202FTSA24A-P	\$2,280	23	0204XDSB41A-P	\$3,029	96	0208DPKB41A-Z	\$11,505	116
0156DPSA31A-P	\$2,586	8	0202FTSA31A-P	\$2,299	17	0204XDSB42A-P	\$3,292	105	0208DPSA21A	\$6,764	34
0156DPSC21A-P	\$2,012	3	0202FTSC21A-P	\$1,869	12	0204XDSC41A-P	\$3,029	96	0208DPSC21A	\$6,764	34
0156DPSC31A-P	\$2,586	8	0202FTSC22A-P	\$2,280	20	0204XDSC42A-P	\$3,292	105	0208FCSA21A	\$8,510	48
0156FCNA21A-P	\$2,364	15	0202FTSC24A-P	\$2,280	23	0204XPEA21A-P	\$3,017	27	0208FCSC21A	\$8,510	48
0156FCNC21A-P	\$2,364	15	0202FTSC31A-P	\$2,299	17	0204XPEC21A-P	\$3,017	27	0252DPNA21A-P	\$1,738	6
0156FTCA21A-P	\$2,546	111	0202FTVB1PX-A	\$5,038	143	0204XSSB41A-P	\$2,329	90	0252DPNC21A-P	\$1,738	6
0156FTCC21A-P	\$2,546	111	0202FTVB3PW-A	\$6,297	141	0204XSSB42A-P	\$2,592	102	0252DPSA21A-P	\$1,849	3
0156FTSA21A-P	\$2,466	12	0202FTVB3PX-A	\$6,549	145	0204XSSC41A-P	\$2,329	90	0252DPSA31A-P	\$2,327	8
0156FTSA22A-P	\$3,005	20	0202SDSC41A-P	\$2,220	83	0204XSSC42A-P	\$2,592	102	0252DPSC21A-P	\$1,849	3
0156FTSA24A-P	\$3,005	23	0202SDSC42A-P	\$2,483	99	0206BCFB32A	\$10,871	133	0252DPSC31A-P	\$2,327	8
0156FTSA31A-P	\$3,075	17	0202SDSR41A-P	\$2,220	83	0206DPKB11A	\$6,763	114	0252FCNA21B-P	\$2,106	15
0156FTSC21A-P	\$2,466	12	0202SDSR42A-P	\$2,483	99	0206DPNA21A-P	\$2,364	6	0252FCNC21B-P	\$2,106	15
0156FTSC22A-P	\$3,005	20	0202XDSB41A-P	\$3,065	96	0206DPNC21A-P	\$2,364	6	0252FTSA21B-P	\$2,241	12
0156FTSC24A-P	\$3,005	23	0202XDSB42A-P	\$3,328	105	0206DPPD11A-P	\$2,771	108	0252FTSA22B-P	\$2,731	20
0156FTSC31A-P	\$3,075	17	0202XDSC41A-P	\$3,065	96	0206DPSA21A-P	\$2,514	3	0252FTSA24B-P	\$2,731	23
0156FTVB1PX-A	\$6,385	143	0202XDSC42A-P	\$3,328	105	0206DPSA31A-P	\$3,293	8	0252FTSA31B-P	\$2,769	17
0156FTVB3PW-A	\$7,673	141	0202XPEA21A-P	\$3,042	27	0206DPSC21A-P	\$2,514	3	0252FTSC21B-P	\$2,241	12
0156FTVB3PX-A	\$7,981	145	0202XPEC21A-P	\$3,042	27	0206DPSC31A-P	\$3,293	8	0252FTSC22B-P	\$2,731	20
0156SDSC41A-P	\$3,029	83	0202XSSB41A-P	\$2,357	90	0206FCNA21A-P	\$2,811	15	0252FTSC24B-P	\$2,731	23
0156SDSC42A-P	\$3,467	99	0202XSSB42A-P	\$2,620	102	0206FCNC21A-P	\$2,811	15	0252FTSC31B-P	\$2,769	17
0156SDSR41A-P	\$3,029	82	0202XSSC41A-P	\$2,357	90	0206FTCA21A-P	\$3,146	111	0252FTVB1PX-A	\$5,324	143
0156SDSR42A-P	\$3,467	99	0202XSSC42A-P	\$2,620	102	0206FTCC21A-P	\$3,146	111	0252FTVB3PW-A	\$6,399	141
0156XDSB41A-P	\$4,139	95	0204DPKB11A	\$4,244	114	0206FTSA21A-P	\$2,933	12	0252FTVB3PX-A	\$6,655	145
0156XDSB42A-P	\$4,577	105	0204DPNA21A-P	\$1,455	6	0206FTSA22A-P	\$3,575	20	0252SDSC41B-P	\$2,725	83
0156XDSC41A-P	\$4,139	95	0204DPNC21A-P	\$1,455	6	0206FTSA24A-P	\$3,575	23	0252SDSC42B-P	\$3,163	99
0156XDSC42A-P	\$4,577	105	0204DPSA21A-P	\$1,549	3	0206FTSA31A-P	\$3,731	17	0252SDSR41B-P	\$2,725	83
0156XPEA21A-P	\$3,744	27	0204DPSA31A-P	\$2,167	8	0206FTSC21A-P	\$2,933	12	0252SDSR42B-P	\$3,163	99
0156XPEC21A-P	\$3,744	27	0204DPSC21A-P	\$1,549	3	0206FTSC22A-P	\$3,575	20	0252XDSB41B-P	\$3,779	96
0156XSSB41A-P	\$3,293	90	0204DPSC31A-P	\$2,167	8	0206FTSC24A-P	\$3,575	23	0252XDSB42B-P	\$4,217	105
0156XSSB42A-P	\$3,731	102	0204FCFB32A	\$4,174	133	0206FTSC31A-P	\$3,731	17	0252XDSC41B-P	\$3,779	96
0156XSSC41A-P	\$3,293	90	0204FCNA21A-P	\$1,633	15	0206FTVB1PX-A	\$7,760	143	0252XDSC42B-P	\$4,217	105
0156XSSC42A-P	\$3,731	102	0204FCNC21A-P	\$1,633	15	0206FTVB3PW-A	\$9,327	141	0252XPEA21B-P	\$3,740	27

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0252XSSB41B-P	\$2,904	90	0256DPSC31A-P	\$3,216	8	0302FTSC31B-P	\$3,244	17	0304XDSC42A-P	\$4,633	106
0252XSSB42B-P	\$3,342	102	0256FTCA21A-P	\$3,802	111	0302FTVB1PX-A	\$5,874	143	0304XPEA21A-P	\$4,197	27
0252XSSC41B-P	\$2,904	90	0256FTCC21A-P	\$3,802	111	0302FTVB3PW-A	\$7,060	141	0304XPEC21A-P	\$4,197	27
0252XSSC42B-P	\$3,342	102	0256FTSA21A-P	\$3,565	12	0302FTVB3PX-A	\$7,342	145	0304XSSB41A-P	\$3,292	90
0254BCFB32A	\$7,286	133	0256FTSA22A-P	\$4,345	20	0302SDSC41B-P	\$3,131	83	0304XSSB42A-P	\$3,730	102
0254DPKB11A	\$5,346	114	0256FTSA24A-P	\$4,345	23	0302SDSC42B-P	\$3,569	99	0304XSSC41A-P	\$3,292	90
0254DPNA21A-P	\$1,704	6	0256FTSA31A-P	\$4,463	17	0302SDSR41B-P	\$3,131	83	0304XSSC42A-P	\$3,730	102
0254DPNC21A-P	\$1,704	6	0256FTSC21A-P	\$3,565	12	0302SDSR42B-P	\$3,569	99	0306BCFB32A	\$13,978	133
0254DPSA21A-P	\$1,813	3	0256FTSC22A-P	\$4,345	20	0302XDSB41B-P	\$4,410	96	0306DPPD11A-P	\$4,039	108
0254DPSA21B-P	\$1,813	3	0256FTSC24A-P	\$4,345	23	0302XDSB42B-P	\$4,848	106	0306DPSA21A-P	\$3,188	3
0254DPSA31A-P	\$2,276	8	0256FTSC31A-P	\$4,463	17	0302XDSC41B-P	\$4,410	96	0306DPSA31A-P	\$3,675	8
0254DPSC21A-P	\$1,813	3	0256FTVB1RX-A	\$9,062	143	0302XDSC42B-P	\$4,848	106	0306DPSC21A-P	\$3,188	3
0254DPSC31A-P	\$2,276	8	0256FTVB3RW-A	\$10,893	141	0302XPEA21B-P	\$4,207	27	0306DPSC31A-P	\$3,675	8
0254FCFB31A	\$5,213	133	0256FTVB3RX-A	\$11,328	145	0302XPEC21B-P	\$4,207	27	0306FTCA21A-P	\$4,188	111
0254FCNA21A-P	\$1,976	15	0256SDSC41A-P	\$4,306	83	0302XSSB41B-P	\$3,539	90	0306FTCC21A-P	\$4,188	111
0254FCNC21A-P	\$1,976	15	0256SDSC42A-P	\$4,798	99	0302XSSB42B-P	\$3,977	102	0306FTSA21A-P	\$4,240	12
0254FTCA21A-P	\$2,116	111	0256SDSR41A-P	\$4,306	83	0302XSSC41B-P	\$3,539	90	0306FTSA22A-P	\$5,168	20
0254FTCC21A-P	\$2,116	111	0256SDSR42A-P	\$4,798	99	0302XSSC42B-P	\$3,977	102	0306FTSA24A-P	\$5,168	23
0254FTSA21A-P	\$2,102	12	0256XDSB41A-P	\$6,112	96	0304BCFB32A	\$8,032	133	0306FTSA31A-P	\$5,241	17
0254FTSA21B-P	\$2,102	12	0256XDSB42A-P	\$6,604	105	0304DPNA21A-P	\$1,986	6	0306FTSC21A-P	\$4,240	12
0254FTSA22A-P	\$2,562	20	0256XDSC41A-P	\$6,112	96	0304DPNC21A-P	\$1,986	6	0306FTSC22A-P	\$5,168	20
0254FTSA24A-P	\$2,562	23	0256XDSC42A-P	\$6,604	105	0304DPSA21A-P	\$2,113	3	0306FTSC24A-P	\$5,168	23
0254FTSA31A-P	\$2,621	17	0256XPEA21A-P	\$5,315	27	0304DPSA21B-P	\$2,113	3	0306FTSC31A-P	\$5,241	17
0254FTSC21A-P	\$2,102	12	0256XPEC21A-P	\$5,315	27	0304DPSA31A-P	\$2,693	8	0306FTVB1RX-A	\$10,366	143
0254FTSC22A-P	\$2,562	20	0256XSSB41A-P	\$4,700	90	0304DPSC21A-P	\$2,113	3	0306FTVB3RW-A	\$12,459	141
0254FTSC24A-P	\$2,562	23	0256XSSB42A-P	\$5,192	102	0304DPSC31A-P	\$2,693	8	0306FTVB3RX-A	\$12,957	145
0254FTSC31A-P	\$2,621	17	0256XSSC41A-P	\$4,700	90	0304FCFB31A	\$5,961	133	0306SDSC41A-P	\$5,257	83
0254FTVB1PX-A	\$6,064	143	0256XSSC42A-P	\$5,192	102	0304FCNA21A-P	\$2,398	15	0306SDSC42A-P	\$5,749	100
0254FTVB3PW-A	\$7,289	141	0258DPKB11A	\$8,991	114	0304FCNC21A-P	\$2,398	15	0306SDSR41A-P	\$5,257	83
0254FTVB3PX-A	\$7,581	145	0258DPKB21A-Y	\$11,241	115	0304FTCA21A-P	\$2,560	111	0306SDSR42A-P	\$5,749	99
0254SDSC41A-P	\$2,556	83	0258DPKB21A-Z	\$12,924	116	0304FTCC21A-P	\$2,560	111	0306XDSB41A-P	\$7,039	96
0254SDSC42A-P	\$2,994	99	0258DPSA21A	\$8,011	34	0304FTSA21A-P	\$2,552	12	0306XDSB42A-P	\$7,531	106
0254SDSR41A-P	\$2,556	83	0258DPSC21A	\$8,011	34	0304FTSA21B-P	\$2,552	12	0306XDSC41A-P	\$7,039	96
0254SDSR42A-P	\$2,994	99	0258FCSA21A	\$9,895	48	0304FTSA22A-P	\$3,110	20	0306XDSC42A-P	\$7,531	106
0254XDSB41A-P	\$3,607	96	0258FCSC21A	\$9,895	48	0304FTSA24A-P	\$3,110	23	0306XPEA21A-P	\$6,367	27
0254XDSB42A-P	\$4,045	105	0302DPNA21B-P	\$2,115	6	0304FTSA31A-P	\$3,154	17	0306XPEC21A-P	\$6,367	27
0254XDSC41A-P	\$3,607	96	0302DPNC21B-P	\$2,115	6	0304FTSC21A-P	\$2,552	12	0306XSSB41A-P	\$5,412	90
0254XDSC42A-P	\$4,045	105	0302DPSA21B-P	\$2,250	3	0304FTSC22A-P	\$3,110	20	0306XSSB42A-P	\$5,904	102
0254XPEA21A-P	\$3,874	27	0302DPSA31B-P	\$2,786	8	0304FTSC24A-P	\$3,110	23	0306XSSC41A-P	\$5,412	90
0254XPEC21A-P	\$3,874	27	0302DPSC21B-P	\$2,250	3	0304FTSC31A-P	\$3,154	17	0306XSSC42A-P	\$5,904	102
0254XSSB41A-P	\$2,818	90	0302DPSC31B-P	\$2,786	8	0304FTVB1PX-A	\$6,823	143	0308DPSA21A	\$9,088	34
0254XSSB42A-P	\$3,256	102	0302FCNA21B-P	\$2,398	15	0304FTVB3PW-A	\$8,202	141	0308DPSC21A	\$9,088	34
0254XSSC41A-P	\$2,818	90	0302FCNC21B-P	\$2,398	15	0304FTVB3PX-A	\$8,529	145	0308FCSA21A	\$11,710	48
0254XSSC42A-P	\$3,256	102	0302FTSA21B-P	\$2,552	12	0304SDSC41A-P	\$3,073	83	0308FCSC21A	\$11,710	48
0256BCFB32A	\$12,707	133	0302FTSA22B-P	\$3,110	20	0304SDSC42A-P	\$3,511	99	0402DPSA21B-P	\$2,841	3
0256DPKB11A	\$8,004	114	0302FTSA24B-P	\$3,110	23	0304SDSR41A-P	\$3,073	83	0402DPSA31B-P	\$3,563	8
0256DPPD11A-P	\$3,319	108	0302FTSA31B-P	\$3,244	17	0304SDSR42A-P	\$3,511	99	0402DPSC21B-P	\$2,841	3
0256DPSA21A-P	\$2,904	3	0302FTSC21B-P	\$2,552	12	0304XDSB41A-P	\$4,195	96	0402DPSC31B-P	\$3,563	8
0256DPSA31A-P	\$3,216	8	0302FTSC22B-P	\$3,110	20	0304XDSB42A-P	\$4,633	106	0402FTSA21B-P	\$3,280	12



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0402FTSA22B-P	\$3,997	20	0404XDSB42A-P	\$6,067	106	0502FTSA21B-P	\$4,369	12	0504XDSB41A-P	\$6,845	96
0402FTSA24B-P	\$3,997	23	0404XDSC41A-P	\$5,575	96	0502FTSA22B-P	\$5,327	20	0504XDSB42A-P	\$7,337	106
0402FTSA31B-P	\$4,313	17	0404XDSC42A-P	\$6,067	106	0502FTSA24B-P	\$5,327	23	0504XDSC41A-P	\$6,845	96
0402FTSC21B-P	\$3,280	12	0404XPEA21A-P	\$5,941	27	0502FTSA31B-P	\$5,588	17	0504XDSC42A-P	\$7,337	106
0402FTSC22B-P	\$3,997	20	0404XPEC21A-P	\$5,941	27	0502FTSC21B-P	\$4,369	12	0504XPEA21A-P	\$6,874	28
0402FTSC24B-P	\$3,997	23	0404XSSB41A-P	\$4,284	90	0502FTSC22B-P	\$5,327	20	0504XPEC21A-P	\$6,874	28
0402FTSC31B-P	\$4,313	17	0404XSSB42A-P	\$4,776	102	0502FTSC24B-P	\$5,327	23	0504XSSB41A-P	\$4,978	90
0402FTVB1RX-A	\$7,754	143	0404XSSC41A-P	\$4,284	90	0502FTSC31B-P	\$5,588	17	0504XSSB42A-P	\$5,420	103
0402FTVB3RW-A	\$9,320	141	0404XSSC42A-P	\$4,776	103	0502FTVB1RX-A	\$8,939	143	0504XSSC41A-P	\$4,978	90
0402FTVB3RX-A	\$9,693	145	0406BCFB32A	\$16,863	134	0502FTVB3RW-A	\$10,744	141	0504XSSC42A-P	\$5,420	103
0402SDSC41B-P	\$3,943	83	0406DPPD11A-P	\$5,168	108	0502FTVB3RX-A	\$11,174	145	0506BCFB32A	\$20,215	134
0402SDSC42B-P	\$4,435	100	0406DPSA21A-P	\$4,463	3	0502SDSC41B-P	\$5,467	83	0506DPPD11A-P	\$6,485	108
0402SDSR41B-P	\$3,943	83	0406DPSA31A-P	\$5,346	8	0502SDSC42B-P	\$5,959	100	0506DPSA21A-P	\$5,601	4
0402SDSR42B-P	\$4,435	100	0406DPSC21A-P	\$4,463	3	0502SDSR41B-P	\$5,467	83	0506DPSA31A-P	\$6,299	8
0402XDSB41B-P	\$5,800	96	0406DPSC31A-P	\$5,346	8	0502SDSR42B-P	\$5,959	100	0506DPSC21A-P	\$5,601	4
0402XDSB42B-P	\$6,292	106	0406FTCA21A-P	\$5,656	111	0502XDSB41B-P	\$7,531	96	0506DPSC31A-P	\$6,299	9
0402XDSC41B-P	\$5,800	96	0406FTCC21A-P	\$5,656	111	0502XDSB42B-P	\$8,023	106	0506FTCA21A-P	\$6,834	111
0402XDSC42B-P	\$6,292	106	0406FTSA21A-P	\$5,554	12	0502XDSC41B-P	\$7,531	96	0506FTCC21A-P	\$6,834	111
0402XPEA21B-P	\$5,933	27	0406FTSA22A-P	\$6,770	20	0502XDSC42B-P	\$8,023	106	0506FTSA21A-P	\$6,498	13
0402XPEC21B-P	\$5,933	27	0406FTSA24A-P	\$6,770	23	0502XPEA21B-P	\$7,440	28	0506FTSA22A-P	\$7,921	21
0402XSSB41B-P	\$4,459	90	0406FTSA31A-P	\$6,865	17	0502XPEC21B-P	\$7,440	28	0506FTSA24A-P	\$7,921	23
0402XSSB42B-P	\$4,951	102	0406FTSC21A-P	\$5,554	12	0502XSSB41B-P	\$5,789	90	0506FTSA31A-P	\$8,064	17
0402XSSC41B-P	\$4,459	90	0406FTSC22A-P	\$6,770	20	0502XSSB42B-P	\$6,281	103	0506FTSC21A-P	\$6,498	13
0402XSSC42B-P	\$4,951	102	0406FTSC24A-P	\$6,770	23	0502XSSC41B-P	\$5,789	90	0506FTSC22A-P	\$7,921	21
0404BCFB32A	\$9,563	134	0406FTSC31A-P	\$6,865	17	0502XSSC42B-P	\$6,281	103	0506FTSC24A-P	\$7,921	24
0404DPSA21A-P	\$2,706	3	0406FTVB1RX-A	\$13,575	143	0504BCFB32A	\$10,962	134	0506FTSC31A-P	\$8,064	17
0404DPSA21B-P	\$2,706	3	0406FTVB3RW-A	\$15,663	141	0504DPSA21A-P	\$3,105	4	0506FTVB1RX-A	\$16,005	143
0404DPSA31A-P	\$3,039	8	0406FTVB3RX-A	\$16,290	145	0504DPSA21B-P	\$3,105	4	0506FTVB3RW-A	\$18,467	141
0404DPSC21A-P	\$2,706	3	0406SDSC41A-P	\$6,878	83	0504DPSA31A-P	\$3,613	8	0506FTVB3RX-A	\$19,206	145
0404DPSC31A-P	\$3,039	8	0406SDSC42A-P	\$7,698	100	0504DPSC21A-P	\$3,105	4	0506SDSC41A-P	\$8,029	83
0404FCFB31A	\$7,668	134	0406SDSR41A-P	\$6,878	83	0504DPSC31A-P	\$3,613	8	0506SDSC42A-P	\$8,849	100
0404FTCA21A-P	\$3,493	111	0406SDSR42A-P	\$7,698	100	0504FCFB31A	\$9,488	134	0506SDSR41A-P	\$8,029	83
0404FTCC21A-P	\$3,493	111	0406XDSB41A-P	\$9,542	96	0504FTCA21A-P	\$3,932	111	0506SDSR42A-P	\$8,849	100
0404FTSA21A-P	\$3,244	12	0406XDSB42A-P	\$10,362	106	0504FTCC21A-P	\$3,932	111	0506XDSB41A-P	\$10,956	96
0404FTSA21B-P	\$3,244	12	0406XDSC41A-P	\$9,542	96	0504FTSA21A-P	\$4,144	13	0506XDSB42A-P	\$11,776	106
0404FTSA22A-P	\$3,955	20	0406XDSC42A-P	\$10,362	106	0504FTSA21B-P	\$4,144	13	0506XDSC41A-P	\$10,956	96
0404FTSA24A-P	\$3,955	23	0406XPEA21A-P	\$8,371	27	0504FTSA22A-P	\$5,053	20	0506XDSC42A-P	\$11,776	106
0404FTSA31A-P	\$4,043	17	0406XPEC21A-P	\$8,371	27	0504FTSA24A-P	\$5,053	23	0506XPEA21A-P	\$8,451	28
0404FTSC21A-P	\$3,244	12	0406XSSB41A-P	\$7,335	90	0504FTSA31A-P	\$5,063	17	0506XPEC21A-P	\$8,451	28
0404FTSC22A-P	\$3,955	20	0406XSSB42A-P	\$8,155	103	0504FTSC21A-P	\$4,144	13	0506XSSB41A-P	\$8,421	90
0404FTSC24A-P	\$3,955	23	0406XSSC41A-P	\$7,335	90	0504FTSC22A-P	\$5,053	20	0506XSSB42A-P	\$9,241	103
0404FTSC31A-P	\$4,043	17	0406XSSC42A-P	\$8,155	103	0504FTSC24A-P	\$5,053	23	0506XSSC41A-P	\$8,421	90
0404FTVB1RX-A	\$8,128	143	0408DPSA21A	\$11,255	34	0504FTSC31A-P	\$5,063	17	0506XSSC42A-P	\$9,241	103
0404FTVB3RW-A	\$9,770	141	0408DPSC21A	\$11,255	34	0504FTVB1RX-A	\$9,638	143	0508DPSA21A	\$13,412	35
0404FTVB3RX-A	\$10,161	145	0408FCSA21A	\$14,161	48	0504FTVB3RW-A	\$11,584	141	0508DPSC21A	\$13,412	35
0404SDSC41A-P	\$3,973	83	0408FCSC21A	\$14,161	48	0504FTVB3RX-A	\$12,047	145	0508FCSA21A	\$16,920	48
0404SDSC42A-P	\$4,465	100	0502DPSA21B-P	\$3,443	3	0504SDSC41A-P	\$4,845	83	0508FCSC21A	\$16,920	48
0404SDSR41A-P	\$3,973	83	0502DPSA31B-P	\$3,865	8	0504SDSC42A-P	\$5,337	100	0602DPSA21B-P	\$3,806	4
0404SDSR42A-P	\$4,465	100	0502DPSC21B-P	\$3,443	3	0504SDSR41A-P	\$4,845	83	0602DPSA31B-P	\$5,050	9
0404XDSB41A-P	\$5,575	96	0502DPSC31B-P	\$3,865	8	0504SDSR42A-P	\$5,337	100	0602DPSC21B-P	\$3,806	4

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0602DPSC31B-P	\$5,050	9	0604SDSR42A-P	\$7,648	100	0752XDSC42B-P	\$12,016	106	0756FTVB1RX-A	\$21,838	143
0602FTSA21B-P	\$6,229	13	0604XDSB41A-P	\$8,837	96	0752XPEA21B-P	\$10,486	28	0756FTVB3RW-A	\$25,197	141
0602FTSA22B-P	\$7,593	21	0604XDSB42A-P	\$9,657	106	0752XPEC21B-P	\$10,486	28	0756FTVB3RX-A	\$26,205	145
0602FTSA24B-P	\$7,593	24	0604XDSC41A-P	\$8,837	96	0752XSSB41B-P	\$9,562	90	0756XPEA21A-P	\$14,399	28
0602FTSA31B-P	\$7,366	18	0604XDSC42A-P	\$9,657	106	0752XSSB42B-P	\$10,382	103	0756XPEC21A-P	\$14,399	28
0602FTSC21B-P	\$6,229	13	0604XPEA21A-P	\$8,789	28	0752XSSC41B-P	\$9,562	90	0758DPASA21A-R	\$18,624	35
0602FTSC22B-P	\$7,593	21	0604XPEC21A-P	\$8,789	28	0752XSSC42B-P	\$10,382	103	0758DPSC21A-R	\$18,624	35
0602FTSC24B-P	\$7,593	24	0604XSSB41A-P	\$7,550	90	0754BCFB32A	\$16,043	134	0758FCSA21A-R	\$25,471	49
0602FTSC31B-P	\$7,366	18	0604XSSB42A-P	\$8,370	103	0754DPSA21A-P	\$4,587	4	0758FCSC21A-R	\$25,471	49
0602FTVB1RX-A	\$11,429	143	0604XSSC41A-P	\$7,550	90	0754DPSA21B-P	\$4,587	4	1/24FNWB42H	\$2,466	136
0602FTVB3RW-A	\$13,187	141	0604XSSC42A-P	\$8,370	103	0754DPSA31A-P	\$6,166	9	1/24FNWC42H	\$2,466	136
0602FTVB3RX-A	\$13,714	145	0606BCFB31A	\$22,424	134	0754DPSC21A-P	\$4,587	4	1/26FNWB42H	\$2,814	136
0602SDSC41B-P	\$6,737	83	0606DPPD11A-P	\$7,362	108	0754DPSC31A-P	\$6,166	9	1/26FNWC42H	\$2,814	136
0602SDSC42B-P	\$7,557	100	0606DPSA21A-P	\$6,079	4	0754FCFB31A	\$13,853	134	1002DPSA21B-P	\$6,466	4
0602SDSR41B-P	\$6,737	83	0606DPSC21A-P	\$6,079	4	0754FTCA21A-P	\$7,156	111	1002DPSC21B-P	\$6,466	4
0602SDSR42B-P	\$7,557	100	0606FTCA21A-P	\$8,601	111	0754FTCC21A-P	\$7,156	111	1002FTSA21B-P	\$9,948	13
0602XDSB41B-P	\$8,912	96	0606FTCC21A-P	\$8,601	111	0754FTSA21A-P	\$7,312	13	1002FTSC21B-P	\$9,948	13
0602XDSB42B-P	\$9,732	106	0606FTSA21A-P	\$7,345	13	0754FTSA21B-P	\$7,312	13	1002FTVB1RX-A	\$19,579	143
0602XDSC41B-P	\$8,912	96	0606FTSC21A-P	\$7,345	13	0754FTSA22A-P	\$8,914	21	1002FTVB3RW-A	\$22,591	141
0602XDSC42B-P	\$9,732	106	0606FTVB1RX-A	\$18,570	143	0754FTSA24A-P	\$8,914	24	1002FTVB3RX-A	\$23,495	145
0602XPEA21B-P	\$8,813	28	0606FTVB3RW-A	\$21,426	141	0754FTSA31A-P	\$9,037	18	1002XPEA21B-P	\$16,239	28
0602XPEC21B-P	\$8,813	28	0606FTVB3RX-A	\$22,284	145	0754FTSC21A-P	\$7,312	13	1002XPEC21B-P	\$16,239	28
0602XSSB41B-P	\$7,615	90	0606XPEA21A-P	\$12,258	28	0754FTSC22A-P	\$8,914	21	1003FCAK11B-A	\$39,973	157
0602XSSB42B-P	\$8,435	103	0606XPEC21A-P	\$12,258	28	0754FTSC24A-P	\$8,914	24	1004BCFB31A	\$22,394	134
0602XSSC41B-P	\$7,615	90	0608DPSA21A	\$15,549	35	0754FTSC31A-P	\$9,037	18	1004DPSA21A-P	\$6,008	4
0602XSSC42B-P	\$8,435	103	0608DPSC21A	\$15,549	35	0754FTVB1RX-A	\$13,837	143	1004DPSC21A-P	\$6,008	4
0604BCFB32A	\$13,419	134	0608FCSA21A	\$19,327	48	0754FTVB3RW-A	\$15,967	141	1004FCAK11A-A	\$39,357	157
0604DPSA21A-P	\$3,617	4	0608FCSC21A	\$19,327	48	0754FTVB3RX-A	\$16,605	145	1004FCAK11B-A	\$39,357	157
0604DPSA21B-P	\$3,617	4	0752DPSA21B-P	\$5,001	4	0754SDSC41A-P	\$8,796	83	1004FCFB31A	\$18,743	134
0604DPSA31A-P	\$5,055	9	0752DPSA31B-P	\$6,665	9	0754SDSC42A-P	\$9,616	100	1004FTCA21A-P	\$9,099	111
0604DPSC21A-P	\$3,617	4	0752DPSC21B-P	\$5,001	4	0754SDSR41A-P	\$8,796	83	1004FTCC21A-P	\$9,099	111
0604DPSC31A-P	\$5,055	9	0752DPSC31B-P	\$6,665	9	0754SDSR42A-P	\$9,616	100	1004FTSA21A-P	\$9,159	13
0604FCFB31A	\$12,228	134	0752FTSA21B-P	\$7,501	13	0754XDSB41A-P	\$11,203	96	1004FTSC21A-P	\$9,159	13
0604FTCA21A-P	\$5,987	111	0752FTSA22B-P	\$9,144	21	0754XDSB42A-P	\$12,023	106	1004FTVB1RX-A	\$18,643	143
0604FTCC21A-P	\$5,987	111	0752FTSA24B-P	\$9,144	24	0754XDSC41A-P	\$11,203	96	1004FTVB3RW-A	\$21,511	141
0604FTSA21A-P	\$5,779	13	0752FTSA31B-P	\$9,271	18	0754XDSC42A-P	\$12,023	106	1004FTVB3RX-A	\$22,372	145
0604FTSA21B-P	\$5,779	13	0752FTSC21B-P	\$7,501	13	0754XPEA21A-P	\$10,300	28	1004XPEA21A-P	\$13,996	28
0604FTSA22A-P	\$7,045	21	0752FTSC22B-P	\$9,144	21	0754XPEC21A-P	\$10,300	28	1004XPEC21A-P	\$13,996	28
0604FTSA24A-P	\$7,045	24	0752FTSC24B-P	\$9,144	24	0754XSSB41A-P	\$9,060	90	1006BCFB31A	\$31,066	134
0604FTSA31A-P	\$7,143	18	0752FTSC31B-P	\$9,271	18	0754XSSB42A-P	\$9,880	103	1006DPPD11A-P	\$11,105	108
0604FTSC21A-P	\$5,779	13	0752FTVB1RX-A	\$13,594	143	0754XSSC41A-P	\$9,060	90	1006DPSA21A-P	\$8,772	4
0604FTSC22A-P	\$7,045	21	0752FTVB3RW-A	\$15,686	141	0754XSSC42A-P	\$9,880	103	1006DPSC21A-P	\$8,772	4
0604FTSC24A-P	\$7,045	24	0752FTVB3RX-A	\$16,313	145	0756BCFB31A	\$27,322	134	1006FCAK11A-A	\$48,271	157
0604FTSC31A-P	\$7,143	18	0752SDSC41B-P	\$8,484	83	0756DPPD11A-P	\$8,737	108	1006FCAK11B-A	\$48,271	157
0604FTVB1RX-A	\$11,926	143	0752SDSC42B-P	\$9,304	100	0756DPSA21A-P	\$7,137	4	1006FTCA21A-P	\$12,416	111
0604FTVB3RW-A	\$13,761	141	0752SDSR41B-P	\$8,484	83	0756DPSC21A-P	\$7,137	4	1006FTCC21A-P	\$12,416	111
0604FTVB3RX-A	\$14,311	145	0752SDSR42B-P	\$9,304	100	0756FTCA21A-P	\$9,577	111	1006FTSA21A-P	\$12,146	13
0604SDSC41A-P	\$6,828	83	0752XDSB41B-P	\$11,196	96	0756FTCC21A-P	\$9,577	111	1006FTSC21A-P	\$12,146	13
0604SDSC42A-P	\$7,648	100	0752XDSB42B-P	\$12,016	106	0756FTSA21A-P	\$8,681	13	1006FTVB1RX-A	\$28,550	143
0604SDSR41A-P	\$6,828	83	0752XDSC41B-P	\$11,196	96	0756FTSC21A-P	\$8,681	13	1006FTVB3RW-A	\$32,189	141

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1006XPEA21A-P	\$19,038	28	1258FCSC21A-FR	\$36,995	49	2001FTVB1RX-A	\$43,165	143	2008FTAL11E-A	\$55,428	157
1006XPEC21A-P	\$19,038	28	1258FCSC21A-R	\$33,554	49	2001FTVB3RW-A	\$48,667	141	2501FTVB1SX-A	\$54,920	144
1008DPSA21A-R	\$23,552	35	1501FTVB1RX-A	\$35,365	143	2001FTVB3RX-A	\$49,640	145	2501FTVB3SW-A	\$62,889	142
1008DPSC21A-R	\$23,552	35	1501FTVB3RW-A	\$39,873	141	2002DPSB21B-P	\$13,930	4	2501FTVB3SX-A	\$64,777	145
1008FCSA21A-R	\$31,491	49	1501FTVB3RX-A	\$40,670	145	2002DPSC21B-P	\$13,930	4	2502DPAB21B	\$26,821	35
1008FCSC21A-R	\$31,491	49	1502DPSA21B-P	\$10,646	4	2002FTSB21B-P	\$20,077	13	2502DPAC21B	\$26,821	35
1251FTVB1RX-A	\$29,076	143	1502DPSC21B-P	\$10,646	4	2002FTSC21B-P	\$20,077	13	2503FCAB21B	\$30,299	49
1251FTVB3RW-A	\$32,781	141	1502FTSA21B-P	\$16,064	13	2002XPEB21B-P	\$28,062	28	2503FCAC21B	\$30,299	49
1251FTVB3RX-A	\$33,437	145	1502FTSC21B-P	\$16,064	13	2002XPEC21B-P	\$28,062	28	2503FCAK11B-A	\$45,226	157
1252DPSA21B-P	\$8,206	4	1502XPEA21B-P	\$24,366	28	2003FCAK11B-A	\$44,046	157	2503XPEB41B	\$55,986	78
1252DPSC21B-P	\$8,206	4	1502XPEC21B-P	\$24,366	28	2004BCFB31A	\$37,953	134	2503XPEC41B	\$55,986	78
1252FTSA21B-P	\$13,189	13	1503FCAK11B-A	\$41,486	157	2004DPSB21A-P	\$11,677	4	2504BCFB31A	\$47,613	134
1252FTSC21B-P	\$13,189	13	1504BCFB31A	\$32,054	134	2004DPSC21A-P	\$11,677	4	2504DPAB21A	\$24,322	35
1252XPEA21B-P	\$21,593	28	1504DPSA21A-P	\$9,796	4	2004FCAK11A-A	\$42,331	157	2504DPAB21A-R	\$25,076	35
1252XPEC21B-P	\$21,593	28	1504DPSC21A-P	\$9,796	4	2004FCAK11B-A	\$42,331	157	2504DPAC21A	\$24,322	35
1253FCAK11B-A	\$40,588	157	1504FCAK11A-A	\$41,073	157	2004FCFB31A	\$34,086	134	2504DPAC21A-R	\$25,076	35
1254BCFB31A	\$28,243	134	1504FCAK11B-A	\$41,073	157	2004FTCB21A-P	\$17,638	112	2504FCAB21A	\$25,602	49
1254DPSA21A-P	\$6,756	4	1504FCFB31A	\$28,187	134	2004FTCC21A-P	\$17,638	112	2504FCAB21A-R	\$26,396	49
1254DPSC21A-P	\$6,756	4	1504FTCA21A-P	\$14,251	111	2004FTSB21A-P	\$17,077	13	2504FCAC21A	\$25,602	49
1254FCAK11A-A	\$39,973	157	1504FTCC21A-P	\$14,251	111	2004FTSC21A-P	\$17,077	13	2504FCAC21A-R	\$26,396	49
1254FCAK11B-A	\$39,973	157	1504FTSA21A-P	\$13,903	13	2004FTVB1RX-A	\$40,510	143	2504FCAK11A-A	\$43,773	157
1254FCFB31A	\$24,376	134	1504FTSC21A-P	\$13,903	13	2004FTVB3RW-A	\$45,673	141	2504FCAK11B-A	\$43,773	157
1254FTCA21A-P	\$12,083	111	1504FTVB1RX-A	\$28,986	143	2004FTVB3RX-A	\$46,587	145	2504FCFB31A	\$42,529	134
1254FTCC21A-P	\$12,083	111	1504FTVB3RW-A	\$32,681	141	2004XPEB21A-P	\$26,473	28	2504FTVB1SX-A	\$47,877	144
1254FTSA21A-P	\$11,525	13	1504FTVB3RX-A	\$33,334	145	2004XPEC21A-P	\$26,473	28	2504FTVB3SW-A	\$54,687	142
1254FTSC21A-P	\$11,525	13	1504XPEA21A-P	\$23,248	28	2006DPSB21A-P	\$15,888	4	2504FTVB3SX-A	\$56,328	145
1254FTVB1RX-A	\$23,733	143	1504XPEC21A-P	\$23,248	28	2006DPSC21A-P	\$15,888	4	2504XPEB41A	\$48,625	78
1254FTVB3RW-A	\$26,758	141	1506DPSB21A-P	\$11,691	4	2006FCAK11A-A	\$51,215	157	2504XPEC41A	\$48,625	78
1254FTVB3RX-A	\$27,293	145	1506DPSC21A-P	\$11,691	4	2006FCAK11B-A	\$51,215	157	2506DPAB21E	\$31,015	35
1254XPEA21A-P	\$19,490	28	1506FCAK11A-A	\$49,822	157	2006FTCB21A-P	\$21,359	112	2506DPAB21G-R	\$34,137	35
1254XPEC21A-P	\$19,490	28	1506FCAK11B-A	\$49,822	157	2006FTCC21A-P	\$21,359	112	2506DPAC21E	\$31,015	35
1256DPSA21A-P	\$10,267	4	1506FTCB21A-P	\$17,256	111	2006FTSB21A-P	\$21,045	13	2506DPAC21G-R	\$34,137	35
1256DPSC21A-P	\$10,267	4	1506FTCC21A-P	\$17,256	112	2006FTSC21A-P	\$21,045	13	2506FCAB21A-R	\$32,647	49
1256FCAK11A-A	\$48,895	157	1506FTSB21A-P	\$16,456	13	2006FTVB1SX-A	\$57,453	143	2506FCAC21A-R	\$32,647	49
1256FCAK11B-A	\$48,895	157	1506FTSC21A-P	\$16,456	13	2006FTVB3SW-A	\$65,625	141	2506FCAK11A-A	\$52,582	157
1256FTCA21A-P	\$14,705	111	1506FTVB1RX-A	\$42,886	143	2006FTVB3SX-A	\$67,593	145	2506FCAK11B-A	\$52,582	157
1256FTCC21A-P	\$14,705	111	1506FTVB3RW-A	\$48,352	141	2006XPEB41A	\$45,372	78	2506FTAL11E-A	\$54,684	157
1256FTSA21A-P	\$14,234	13	1506FTVB3RX-A	\$49,319	145	2006XPEB41B	\$51,679	78	2506FTVB1SX-A	\$71,817	144
1256FTSC21A-P	\$14,234	13	1506XPEB21A-P	\$27,356	28	2006XPEC41A	\$45,372	78	2506FTVB3SW-A	\$82,030	142
1256FTVB1RX-A	\$34,515	143	1506XPEC21A-P	\$27,356	28	2006XPEC41B	\$51,679	78	2506FTVB3SX-A	\$84,492	145
1256FTVB3RW-A	\$38,913	141	1508DPSA21B	\$32,007	35	2008DPSA21E	\$34,162	35	2508FTAL11E-A	\$55,943	157
1256FTVB3RX-A	\$39,692	145	1508DPSA21D-R	\$33,588	35	2008DPSA21G-R	\$38,591	35	3/44FNWB42H	\$2,582	136
1256XPEA21A-P	\$24,637	28	1508DPSC21B	\$32,007	35	2008DPSC21E	\$34,162	35	3/44FNWC42H	\$2,582	136
1256XPEC21A-P	\$24,637	28	1508DPSC21D-R	\$33,588	35	2008DPSC21G-R	\$38,591	35	3/46FNWB42H	\$2,946	136
1258DPSA21A-R	\$27,746	35	1508FCSB21A-R	\$42,677	49	2008FCSB21A-R	\$47,635	49	3/46FNWC42H	\$2,946	136
1258DPSA21B	\$25,166	35	1508FCSB21E	\$53,344	49	2008FCSB21E	\$59,543	49	3/46SDSC41A-P	\$548	82
1258DPSC21A-R	\$27,746	35	1508FCSB21G-R	\$56,465	49	2008FCSB21G-R	\$62,664	49	3/46SDSC42A-P	\$686	98
1258DPSC21B	\$25,166	35	1508FCSC21A-R	\$42,677	49	2008FCSC21A-R	\$47,635	49	3/46SDSR41A-P	\$547	82
1258FCSB21A-FR	\$36,995	49	1508FCSC21E	\$53,344	49	2008FCSC21E	\$59,543	49	3/46SDSR42A-P	\$685	98

Model No.	Price	Page	Model No.	Price	Page	Model No.	Price	Page	Model No.	Price	Page
3/46XDSB41A-P	\$829	95	3006FTVB3SW-A	\$98,438	142	3506FTAL11E-C	\$76,202	158	4006FTAL11E-C	\$78,255	158
3/46XDSB42A-P	\$938	104	3006FTVB3SX-A	\$101,391	146	3506FTVB1SX-A	\$100,546	144	4006WPAK11E-A	\$69,233	149
3/46XDSC41A-P	\$829	95	3006XPEB41A	\$55,518	79	3506FTVB3SW-A	\$114,843	142	4006WPAK11E-C	\$89,206	149
3/46XDSC42A-P	\$938	104	3006XPEC41A	\$55,518	79	3506FTVB3SX-A	\$118,288	146	4006WTAK11E-A	\$72,808	152
3/46XSSB41A-P	\$610	89	3008FTAL11E-A	\$58,815	157	3508FTAL11E-A	\$69,144	158	4006WTAK11E-C	\$92,782	152
3/46XSSB42A-P	\$719	101	3501FTVB1SX-A	\$76,887	144	4001FTVB1SX-A	\$87,871	144	4008FTAL11E-A	\$72,760	158
3/46XSSC41A-P	\$610	89	3501FTVB3SW-A	\$88,048	142	4001FTVB3SW-A	\$100,626	142	4008WTAL11E-A	\$78,713	152
3/46XSSC42A-P	\$719	101	3501FTVB3SX-A	\$90,689	146	4001FTVB3SX-A	\$103,642	146	4008WTAL11E-C	\$100,589	152
3/48DPSA21A	\$998	34	3502DPAB21B	\$37,905	35	4002DPAB21B	\$44,010	36	4502DPAB21F	\$47,558	36
3/48DPSC21A	\$998	34	3502DPAC21B	\$37,905	35	4002DPAC21B	\$44,010	36	4502DPAC21F	\$47,558	36
3001FTVB1SX-A	\$65,840	144	3503FCAB21B	\$42,138	49	4003FCAB21B	\$52,492	49	4503FCAB21F	\$59,061	50
3001FTVB3SW-A	\$75,467	142	3503FCAC21B	\$42,138	49	4003FCAC21B	\$52,492	49	4503FCAC21F	\$59,061	50
3001FTVB3SX-A	\$77,733	146	3503FCAK11B-A	\$47,626	157	4003FTAB41F-A	\$67,073	86	4503FTAB41F-A	\$75,466	86
3002DPAB21B	\$34,913	35	3503FTAL11F-A	\$49,304	157	4003FTAC41F-A	\$67,073	86	4503FTAC41F-A	\$75,466	86
3002DPAC21B	\$34,913	35	3503FTAL11F-C	\$69,277	157	4003FTAL11F-A	\$53,964	158	4503FTAL11F-A	\$55,773	158
3003FCAB21B	\$37,743	49	3503FTQL11F-A	\$65,711	157	4003FTAL11F-C	\$73,937	158	4503FTAL11F-C	\$75,746	158
3003FCAC21B	\$37,743	49	3503FTQL11F-C	\$85,684	157	4003FTQL11F-A	\$70,371	158	4503FTQL11F-A	\$72,180	158
3003FCAK11B-A	\$46,386	157	3503XPEB41B	\$64,378	79	4003FTQL11F-C	\$90,344	158	4503FTQL11F-C	\$92,153	158
3003XPEB41B	\$62,015	79	3503XPEC41B	\$64,378	79	4003WPAK11F-A	\$60,828	149	4503WPAK11F-A	\$61,262	149
3003XPEC41B	\$62,015	79	3504BCFB31A	\$58,634	134	4003WPAK11F-C	\$80,802	149	4503WPAK11F-C	\$81,235	149
3004BCFB31A	\$53,551	134	3504DPAB21E	\$30,854	35	4003WPQK11F-A	\$77,235	149	4503WPQK11F-A	\$77,668	149
3004DPAB21A	\$27,441	35	3504DPAB21G-R	\$32,393	35	4003WPQK11F-C	\$97,208	149	4503WPQK11F-C	\$97,642	149
3004DPAB21A-R	\$29,010	35	3504DPAC21E	\$30,854	35	4003WTAK11F-A	\$61,564	152	4503WTAK11F-A	\$62,573	152
3004DPAC21A	\$27,441	35	3504DPAC21G-R	\$32,393	35	4003WTAK11F-C	\$81,537	152	4503WTAK11F-C	\$82,546	152
3004DPAC21A-R	\$29,010	35	3504FCAB21A	\$32,478	49	4003WTQK11F-A	\$77,971	152	4503WTQK11F-A	\$78,980	152
3004FCAB21A	\$28,885	49	3504FCAB21A-R	\$34,098	49	4003WTQK11F-C	\$97,944	152	4503WTQK11F-C	\$98,953	152
3004FCAB21A-R	\$30,505	49	3504FCAC21A	\$32,478	49	4004DPAB21E	\$42,605	36	4504DPAB21E	\$46,084	36
3004FCAC21A	\$28,885	49	3504FCAC21A-R	\$34,098	49	4004DPAB21G-R	\$42,026	36	4504DPAB21G-R	\$47,623	36
3004FCAC21A-R	\$30,505	49	3504FCAK11A-A	\$46,162	157	4004DPAC21E	\$42,605	36	4504DPAC21E	\$46,084	36
3004FCAK11A-A	\$45,628	157	3504FCAK11B-A	\$46,162	157	4004DPAC21G-R	\$42,026	36	4504DPAC21G-R	\$47,623	36
3004FCAK11B-A	\$45,628	157	3504FTAL11E-A	\$48,600	157	4004FCAB21A	\$45,076	49	4504FCAB21E	\$48,510	50
3004FCFB31A	\$48,466	134	3504FTAL11E-C	\$68,573	157	4004FCAB21A-R	\$46,696	50	4504FCAB21G-R	\$50,130	50
3004FTAL11E-A	\$47,804	157	3504FTQL11E-A	\$65,006	158	4004FCAC21A	\$45,076	50	4504FCAC21E	\$48,510	50
3004FTAL11E-C	\$67,777	157	3504FTQL11E-C	\$84,980	158	4004FCAC21A-R	\$46,696	50	4504FCAC21G-R	\$50,130	50
3004FTQL11E-A	\$64,211	157	3504FTVB1SX-A	\$67,031	144	4004FTAB41E-A	\$60,985	86	4504FTAB41E-A	\$65,186	86
3004FTQL11E-C	\$84,184	157	3504FTVB3SW-A	\$76,561	142	4004FTAB41E-AR	\$64,188	86	4504FTAB41E-AR	\$74,964	86
3004FTVB1SX-A	\$57,453	144	3504FTVB3SX-A	\$78,859	146	4004FTAC41E-A	\$60,985	86	4504FTAC41E-A	\$65,186	86
3004FTVB3SW-A	\$65,625	142	3504XPEB41A	\$54,928	79	4004FTAC41G-AR	\$64,188	86	4504FTAC41G-AR	\$74,964	86
3004FTVB3SX-A	\$67,593	146	3504XPEC41A	\$54,928	79	4004FTAL11E-A	\$55,164	158	4504FTAL11E-A	\$58,435	158
3004XPEB41A	\$51,807	79	3506DPAB21E	\$40,050	35	4004FTAL11E-C	\$75,137	158	4504FTAL11E-C	\$78,408	158
3004XPEC41A	\$51,807	79	3506DPAB21G-R	\$43,691	36	4004FTQL11E-A	\$71,571	158	4504FTQL11E-A	\$74,842	158
3006DPAB21E	\$39,142	35	3506DPAC21E	\$40,050	36	4004FTQL11E-C	\$91,544	158	4504FTQL11E-C	\$94,815	158
3006DPAB21G-R	\$42,264	35	3506DPAC21G-R	\$43,691	36	4004FTVB1SX-A	\$76,607	144	4504WPAK11E-A	\$64,031	149
3006DPAC21E	\$39,142	35	3506FCAB21A-R	\$44,500	49	4004FTVB3SW-A	\$87,499	142	4504WPAK11E-C	\$84,004	149
3006DPAC21G-R	\$42,264	35	3506FCAC21A-R	\$44,500	49	4004FTVB3SX-A	\$90,124	146	4504WTAK11E-A	\$65,397	152
3006FCAB21A-R	\$42,208	49	3506FTAB41E-A	\$59,739	86	4004WPAK11E-A	\$63,128	149	4504WTAK11E-C	\$85,371	152
3006FCAC21A-R	\$42,208	49	3506FTAB41E-AR	\$62,941	86	4004WPAK11E-C	\$83,102	149	4506FTAL11E-A	\$62,973	158
3006FTAL11E-A	\$55,460	157	3506FTAC41E-A	\$59,739	86	4004WTAK11E-A	\$63,913	152	4506FTAL11E-C	\$84,344	158
3006FTAL11E-C	\$75,433	157	3506FTAC41G-AR	\$62,941	86	4004WTAK11E-C	\$80,320	152	4506WPAK11E-A	\$70,135	149
3006FTVB1SX-A	\$86,181	144	3506FTAL11E-A	\$56,228	158	4006FTAL11E-A	\$58,282	158	4506WPAK11E-C	\$90,108	149

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4506WTAK11E-A	\$74,464	153	5006WTAK11E-C	\$97,713	153	7003WTQK11F-A	\$88,631	153	8004WPAK11E-A	\$77,286	150
4506WTAK11E-C	\$94,437	153	5008FTAL11E-A	\$81,586	158	7003WTQK11F-C	\$108,604	153	8004WPAK11E-C	\$97,260	150
4508FTAL11E-A	\$75,402	158	5008TCAL11E-A	\$102,066	158	7004FTAB11E-A	\$99,357	47	8004WTAK11E-A	\$77,113	153
4508TCAL11E-A	\$101,688	158	5008TCAL11E-C	\$123,942	158	7004FTAC11E-A	\$99,357	47	8005TCAL11E-A	\$101,128	159
4508TCAL11E-C	\$123,564	158	5008WTAL11E-A	\$83,666	153	7004FTAL11E-A	\$81,775	159	8005TCAL11E-C	\$123,004	159
4508WTAL11E-A	\$81,282	153	5008WTAL11E-C	\$105,542	153	7004FTAL11E-C	\$103,651	159	8005TCQL11E-A	\$118,248	159
4508WTAL11E-C	\$103,157	153	6003FTAL11F-A	\$72,302	158	7004FTQL11E-A	\$98,895	159	8005TCQL11E-C	\$140,124	159
5002DPAB21F	\$52,829	36	6003FTAL11F-C	\$94,177	158	7004FTQL11E-C	\$120,771	159	8005WTAL11E-A	\$82,726	153
5002DPAC21F	\$52,829	36	6003FTQL11F-A	\$89,422	158	7004WPAK11E-A	\$73,031	150	8005WTAL11E-C	\$104,602	153
5003FCAB21F	\$65,620	50	6003FTQL11F-C	\$111,297	158	7004WPAK11E-C	\$93,004	150	8005WTQL11E-A	\$99,846	153
5003FCAC21F	\$65,620	50	6003WPAK11F-A	\$63,755	149	7004WTAK11E-A	\$73,646	153	8005WTQL11E-C	\$121,722	153
5003FTAB41F-A	\$83,847	86	6003WPAK11F-C	\$83,728	149	7004WTAK11E-C	\$93,620	153	8006WPAL11E-A	\$88,775	150
5003FTAC41F-A	\$83,847	87	6003WPQK11F-A	\$80,162	149	7005TCAL11E-A	\$99,528	159	8006WPAL11E-C	\$110,651	150
5003FTAL11F-A	\$69,084	158	6003WPQK11F-C	\$100,135	149	7005TCAL11E-C	\$121,404	159	8006WTAL11E-A	\$92,351	153
5003FTAL11F-C	\$90,960	158	6003WTAK11F-A	\$67,386	153	7005TCQL11E-A	\$116,648	159	8006WTAL11E-C	\$114,226	153
5003FTQL11F-A	\$86,204	158	6003WTAK11F-C	\$87,360	153	7005TCQL11E-C	\$138,524	159	9003TCAL11F-A	\$96,762	159
5003FTQL11F-C	\$108,080	158	6003WTQK11F-A	\$83,793	153	7006FTAB11E-A	\$103,169	47	9003TCAL11F-C	\$118,637	159
5003WPAK11F-A	\$62,066	149	6003WTQK11F-C	\$103,766	153	7006FTAC11E-A	\$103,169	47	9003TCQL11F-A	\$113,882	159
5003WPAK11F-C	\$82,040	149	6004FTAB11E-A	\$90,458	46	7006FTAL11E-A	\$84,913	159	9003TCQL11F-C	\$135,757	159
5003WPQK11F-A	\$78,473	149	6004FTAC11E-A	\$90,458	46	7006TCAL11E-A	\$108,288	159	9003WPAL11F-A	\$84,257	150
5003WPQK11F-C	\$98,446	149	6004FTAL11E-A	\$74,451	158	7006TCAL11E-C	\$130,164	159	9003WPAL11F-C	\$106,133	150
5003WTAK11F-A	\$64,680	153	6004FTAL11E-C	\$96,326	159	7006WPAK11E-A	\$80,711	150	9003WPQL11F-A	\$101,337	150
5003WTAK11F-C	\$84,653	153	6004FTQL11E-A	\$91,571	159	7006WPAK11E-C	\$102,586	150	9003WPQL11F-C	\$123,253	150
5003WTQK11F-A	\$81,086	153	6004FTQL11E-C	\$113,446	159	7006WTAL11E-A	\$84,095	153	9003WTAL11F-A	\$85,080	154
5003WTQK11F-C	\$101,060	153	6004WPAK11E-A	\$65,391	149	7006WTAL11E-C	\$105,971	153	9003WTAL11F-C	\$106,955	154
5004DPAB21E	\$51,204	36	6004WPAK11E-C	\$85,364	149	7008WPAL11E-A	\$87,502	150	9003WTQL11F-A	\$103,200	154
5004DPAB21G-R	\$52,743	36	6004WTAK11E-A	\$68,775	153	7008WPAL11E-C	\$109,377	150	9003WTQL11F-C	\$124,075	154
5004DPAC21E	\$51,204	36	6004WTAK11E-C	\$88,748	153	7008WTAL11E-A	\$91,191	153	9005TCAL11E-A	\$102,586	159
5004DPAC21G-R	\$52,743	36	6006FTAL11E-A	\$80,311	159	7008WTAL11E-C	\$113,066	153	9005TCAL11E-C	\$124,462	159
5004FCAB21E	\$53,899	50	6006TCAL11E-A	\$103,511	159	8003TCAL11F-A	\$90,071	159	9005TCQL11E-A	\$119,706	159
5004FCAB21G-R	\$55,519	50	6006TCAL11E-C	\$125,386	159	8003TCAL11F-C	\$111,946	159	9005TCQL11E-C	\$141,582	159
5004FCAC21E	\$53,899	50	6006WPAK11E-C	\$92,655	150	8003TCQL11F-A	\$107,191	159	9005WPAL11E-A	\$85,860	150
5004FCAC21G-R	\$55,519	50	6006WTAL11E-A	\$83,242	153	8003TCQL11F-C	\$129,066	159	9005WPAL11E-C	\$107,735	150
5004FTAB41E-A	\$72,073	87	6006WTAL11E-C	\$105,117	153	8003WPAK11F-A	\$72,971	150	9005WPQL11E-A	\$102,980	150
5004FTAB41E-AR	\$82,884	87	6008TCAL11E-A	\$103,917	159	8003WPAK11F-C	\$92,944	150	9005WPQL11E-C	\$124,856	150
5004FTAC41E-A	\$72,073	87	6008TCAL11E-C	\$125,793	159	8003WPAL11F-A	\$83,813	150	9005WTAL11E-A	\$87,568	154
5004FTAC41G-AR	\$82,884	87	6008WPAL11E-A	\$85,446	150	8003WPQK11F-A	\$89,377	150	9005WTAL11E-C	\$109,444	154
5004FTAL11E-A	\$60,851	158	6008WPAL11E-C	\$107,322	150	8003WPQK11F-C	\$109,351	150	9005WTQL11E-A	\$104,688	154
5004FTAL11E-C	\$80,824	158	6008WTAL11E-A	\$88,702	153	8003WTAK11F-A	\$75,333	153	9005WTQL11E-C	\$126,564	154
5004FTQL11E-A	\$77,257	158	6008WTAL11E-C	\$110,577	153	8003WTAK11F-C	\$95,306	153	9006WPAL11E-A	\$90,964	150
5004FTQL11E-C	\$97,231	158	7003TCAL11F-A	\$87,595	159	8003WTAL11F-A	\$79,104	153	9006WPAL11E-C	\$112,840	150
5004WPAK11E-A	\$64,468	149	7003TCAL11F-C	\$109,471	159	8003WTAL11F-C	\$100,980	153	9006WTAL11E-A	\$94,597	154
5004WPAK11E-C	\$84,442	149	7003TCQL11F-A	\$104,715	159	8003WTQL11F-A	\$96,224	153	9006WTAL11E-C	\$116,473	154
5004WTAK11E-A	\$67,486	153	7003TCQL11F-C	\$126,591	159	8003WTQL11F-C	\$118,100	153	A1501FLG3BSHD01	\$22,709	91
5004WTAK11E-C	\$87,460	153	7003WPAK11F-A	\$68,595	150	8004FTAB11E-A	\$101,643	47	A1501FLG3BSHJ	\$27,710	97
5006FTAL11E-A	\$71,351	158	7003WPAK11F-C	\$88,568	150	8004FTAC11E-A	\$101,643	47	A1501FLG3OSH01	\$20,617	84
5006FTAL11E-C	\$94,757	158	7003WPQK11F-A	\$85,002	150	8004FTAL11E-A	\$83,657	159	A1501FLG3OSHD01	\$22,709	91
5006WPAK11E-A	\$70,573	149	7003WPQK11F-C	\$104,975	150	8004FTAL11E-C	\$105,533	159	A1501FLG3OSHJ	\$27,710	97
5006WPAK11E-C	\$90,546	149	7003WTAK11F-A	\$72,224	153	8004FTQL11E-A	\$100,777	159	A1501FLG3USH01	\$20,617	84
5006WTAK11E-A	\$77,740	153	7003WTAK11F-C	\$92,197	153	8004FTQL11E-C	\$122,653	159	A1503FLG3BSHD01	\$22,709	91

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A1503FLG3OSH01	\$20,617	84	B0014FLF1BYHD	\$843	64	B00183LF1OMHD	\$5,174	120	B0024FLF1OMHD02	\$1,136	65
A1503FLG3OSHD01	\$22,709	91	B0014FLF1OMHD02	\$928	64	B00183LF2AMH	\$3,335	118	B0024FLF2AMH03	\$1,020	52
A1503FLG3OSHJ	\$27,710	97	B0014FLF2AMH03	\$853	52	B00183LF2OMH	\$3,335	118	B0024FLF2AOZ	\$592	44
A1503FLG3USH01	\$20,617	84	B0014FLF2AOZ	\$490	43	B0018FLF1BMHD	\$1,831	65	B0024FLF2AYH	\$883	52
A1508FLF4BMQ	\$31,341	130	B0014FLF2AYH	\$739	52	B0018FLF1OMHD	\$1,831	65	B0024FLF2OMH03	\$1,020	52
A1508FLF4OMQ	\$31,341	130	B0014FLF2OMH03	\$853	52	B0018FLF2AMH	\$1,724	52	B0024FLF2OOZ	\$592	44
A2504FLF4BMQ	\$26,879	131	B0014FLF2OOZ	\$490	43	B0018FLF2OMH	\$1,724	52	B0024FLF2OYH	\$883	52
A2506FLF4BMQ	\$34,461	131	B0014FLF2OYH	\$739	52	B0018FLF3BMHJ	\$3,065	70	B0024FLF3BMHJ01	\$1,318	71
A2506FLF4OMQ	\$34,461	131	B0014FLF3BMHJ01	\$1,080	70	B0018FLF3OMHJ	\$3,065	70	B0024FLF3OMHJ01	\$1,318	71
A2508FLF4BMQ01	\$43,125	131	B0014FLF3OMHJ01	\$1,080	70	B0018YLF2ASH	\$2,211	75	B0024FLT2AMH	\$1,101	56
A2508FLF4OMQ	\$43,125	131	B0014FLT2AMH	\$942	56	B0018YLF2OSH	\$2,211	75	B0024FLT2AYH	\$1,013	56
A3004FLF4BMQ	\$32,142	131	B0014FLT2AYH	\$869	56	B0022DLF2AMH02	\$955	37	B0024FLT2OMH	\$1,101	56
A3004FLF4OMQ	\$32,142	131	B0014FLT2OMH	\$942	56	B0022DLF2AYH	\$794	37	B0024YLF2ASH	\$1,811	76
A3006FLF4BMQ	\$39,564	131	B0014YLF2ASH	\$1,608	75	B0022DLF2OMH02	\$955	37	B0024YLF2OSH	\$1,811	76
A3006FLF4OMQ	\$39,564	131	B0014YLF2OSH	\$1,608	75	B0022FLC2AMH02	\$1,261	60	B00264LC1BMHD	\$4,946	124
A3504FLF4BMQ	\$34,697	131	B00163LC1BMHD	\$4,379	124	B0022FLC2AOZ	\$638	59	B00264LC1OMHD	\$4,946	124
A3504FLF4OMQ	\$34,697	131	B00163LC1OMHD	\$4,379	124	B0022FLC2OMH02	\$1,261	60	B00264LC2AMH	\$3,054	122
A3506FLF4BMQ	\$42,565	131	B00163LC2AMH	\$2,547	122	B0022FLC2OOZ	\$638	59	B00264LC2OMH	\$3,054	122
A3506FLF4OMQ	\$42,565	131	B00163LC2OMH	\$2,547	122	B0022FLF1BMHD02	\$1,169	65	B00264LF1BMHD	\$4,757	120
A4004FLF4BM	\$63,196	45	B00163LF1BMHD	\$4,190	120	B0022FLF1BYHD	\$1,063	65	B00264LF1OMHD	\$4,757	120
A4004FLF4BMQ	\$40,595	131	B00163LF1OMHD	\$4,190	120	B0022FLF1OMHD02	\$1,169	65	B00264LF2AMH	\$2,865	118
A4004FLF4OM	\$63,196	45	B00163LF2AMH	\$2,358	118	B0022FLF2AMH03	\$1,125	52	B00264LF2OMH	\$2,865	118
A4004FLF4OMQ	\$40,595	131	B00163LF2OMH	\$2,358	118	B0022FLF2AOZ	\$623	44	B0026DLF2AMH02	\$1,292	37
A4004FLG3BM	\$59,653	45	B0016DLF2AMH02	\$917	37	B0022FLF2AYH	\$975	52	B0026DLF2AYH	\$1,119	37
A4004FLG3OM	\$59,653	45	B0016DLF2AYH	\$794	37	B0022FLF2OMH03	\$1,125	52	B0026DLF2OMH02	\$1,292	37
A4504FLF4BMQ	\$47,732	131	B0016DLF2OMH02	\$917	37	B0022FLF2OOZ	\$623	44	B0026FLC2AMH02	\$1,439	60
A4504FLF4OMQ	\$47,732	131	B0016FLC2AMH02	\$1,200	60	B0022FLF2OYH	\$975	52	B0026FLC2OMH02	\$1,439	60
A5004FLF4BMQ	\$50,907	131	B0016FLC2AOZ	\$671	59	B0022FLF3BMHJ01	\$1,383	71	B0026FLF1BMHD02	\$1,379	65
A5004FLF4OMQ	\$50,907	131	B0016FLC2OMH02	\$1,200	60	B0022FLF3OMHJ01	\$1,383	71	B0026FLF1BYHD	\$1,254	65
AB2504FLF4OMQ	\$26,879	131	B0016FLC2OOZ	\$671	59	B0022FLT2AMH	\$1,202	56	B0026FLF1OMHD02	\$1,379	65
B0012FMC2AOZ	\$509	59	B0016FLF1BMHD02	\$1,160	65	B0022FLT2OMH	\$1,202	56	B0026FLF2AMH03	\$1,312	52
B0012FMC2OOZ	\$509	59	B0016FLF1BYHD	\$1,054	65	B0022YLF2AMH	\$1,821	76	B0026FLF2AYH	\$1,136	52
B0012FMF2AOZ	\$507	43	B0016FLF1OMHD02	\$1,160	65	B0022YLF2OMH	\$1,821	76	B0026FLF2OMH03	\$1,312	52
B0012FMF2OOZ	\$507	43	B0016FLF2AMH03	\$1,062	52	B00243LC1BMHD	\$4,672	124	B0026FLF2OYH	\$1,136	52
B00142LC1BMHD	\$4,280	124	B0016FLF2AOZ	\$656	43	B00243LC1OMHD	\$4,672	124	B0026FLF3BMHJ01	\$1,689	71
B00142LC1OMHD	\$4,280	124	B0016FLF2AYH	\$918	52	B00243LC2AMH	\$2,537	122	B0026FLF3OMHJ01	\$1,689	71
B00142LC2AMH	\$2,483	122	B0016FLF2OMH03	\$1,062	52	B00243LC2OMH	\$2,537	122	B0026FLT2AMH	\$1,379	56
B00142LC2OMH	\$2,483	122	B0016FLF2OOZ	\$656	43	B00243LF1BMHD	\$4,483	120	B0026FLT2OMH	\$1,379	56
B00142LF1BMHD	\$4,091	120	B0016FLF2OYH	\$918	52	B00243LF1OMHD	\$4,483	120	B0026YLF2ASH	\$2,169	76
B00142LF1OMHD	\$4,091	120	B0016FLF3BMHJ01	\$1,339	70	B00243LF2AMH	\$2,348	118	B0026YLF2OSH	\$2,169	76
B00142LF2AMH	\$2,294	118	B0016FLF3OMHJ01	\$1,339	70	B00243LF2OMH	\$2,348	118	B00284LF2AMH	\$6,124	118
B00142LF2OMH	\$2,294	118	B0016FLT2AMH	\$1,140	56	B0024DLF2AMH02	\$855	37	B00284LF2OMH	\$6,124	118
B0014DLF2AMH02	\$712	37	B0016FLT2OMH	\$1,140	56	B0024DLF2AYH	\$741	37	B00284LF3BMHD	\$7,920	120
B0014DLF2AYH	\$616	37	B0016YLF2ASH	\$1,835	75	B0024DLF2OMH02	\$855	37	B00284LF3OMHD	\$7,920	120
B0014DLF2OMH02	\$712	37	B0016YLF2OSH	\$1,835	75	B0024FLC2AMH02	\$1,160	60	B00285LC2AMH	\$6,360	122
B0014FLC2AMH02	\$1,001	60	B00183LC1BMHD	\$5,411	124	B0024FLC2AOZ	\$605	59	B00285LC2OMH	\$6,360	122
B0014FLC2AOZ	\$533	59	B00183LC1OMHD	\$5,411	124	B0024FLC2OMH02	\$1,160	60	B00285LC3BMHD	\$8,155	124
B0014FLC2OMH02	\$1,001	60	B00183LC2AMH	\$3,570	122	B0024FLC2OOZ	\$605	59	B00285LC3OMHD	\$8,155	124
B0014FLC2OOZ	\$533	59	B00183LC2OMH	\$3,570	122	B0024FLF1BMHD02	\$1,136	65	B0028FLF1BMHD	\$2,711	65

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B0028FLF2AMH	\$2,431	52	B0034YLF2OSH	\$2,064	76	B0052FLF2OYH	\$1,278	53	B0056FLF3OMHD04	\$2,372	65
B0028FLF2OMH	\$2,431	52	B00365LC2AMH	\$5,320	123	B0052FLF3BMHJ01	\$1,925	71	B0056FLF3OMHJ01	\$2,969	71
B0028FLF3BMHJ	\$3,821	71	B00365LC2OMH	\$5,320	123	B0052FLF3OMHJ01	\$1,925	71	B0056FLT2AMH	\$2,310	57
B0028FLF3OMHJ	\$3,821	71	B00365LC3BMHD	\$7,203	125	B0052FLT2AMH	\$1,536	57	B0056FLT2OMH	\$2,310	57
B0028YLF2ASH	\$3,302	76	B00365LC3OMHD	\$7,203	125	B0052FLT2OMH	\$1,536	57	B0056YLF2AMH	\$3,560	76
B0028YLF2OSH	\$3,302	76	B00365LF2AMH	\$5,084	118	B0052YLF2AMH	\$2,409	76	B0056YLF2OMH	\$3,560	76
B0032DLF2AMH02	\$1,031	38	B00365LF2OMH	\$5,084	119	B0052YLF2OMH	\$2,409	76	B00586LC2AMH	\$8,384	123
B0032DLF2AYH	\$880	38	B00365LF3BMHD	\$6,966	120	B00544LC1BMHD	\$4,970	125	B00586LC2OMH	\$8,384	123
B0032DLF2OMH02	\$1,031	38	B00365LF3OMHD	\$6,966	120	B00544LC1OMHD	\$4,970	125	B00586LC3BMHD	\$10,813	125
B0032FLC2AMH02	\$1,375	60	B0036DLF2AMH01	\$1,458	38	B00544LC2AMH	\$3,040	123	B00586LC3OMHD	\$10,813	125
B0032FLC2OMH02	\$1,375	60	B0036DLF2OMH01	\$1,458	38	B00544LC2OMH	\$3,040	123	B00586LF2AMH	\$3,661	119
B0032FLF1BMHD02	\$1,337	65	B0036FLC2AMH01	\$1,679	61	B00544LF1BMHD	\$4,781	121	B00586LF2OMH	\$3,661	119
B0032FLF1BYHD	\$1,157	65	B0036FLC2OMH01	\$1,679	61	B00544LF1OMHD	\$4,781	121	B00586LF3BMHD	\$10,435	121
B0032FLF1OMHD02	\$1,337	65	B0036FLF1BMHD04	\$1,768	65	B00544LF2AMH	\$2,851	119	B00586LF3OMHD	\$10,435	121
B0032FLF2AMH03	\$1,245	52	B0036FLF2AMH04	\$1,515	53	B00544LF2OMH	\$2,851	119	B0058FLF2AMH	\$4,034	53
B0032FLF2AYH	\$1,031	52	B0036FLF2OMH04	\$1,515	53	B0054DLF2AMH02	\$1,178	38	B0058FLF2OMH	\$4,034	53
B0032FLF2OMH03	\$1,245	52	B0036FLF3BMHJ01	\$2,165	71	B0054DLF2AYH	\$1,021	38	B0058FLF3BMHD	\$4,283	65
B0032FLF2OYH	\$1,031	52	B0036FLF3OMHD04	\$1,768	65	B0054DLF2OMH02	\$1,178	38	B0058FLF3BMHJ	\$5,647	71
B0032FLF3BMHJ01	\$1,698	71	B0036FLF3OMHJ01	\$2,165	71	B0054FLC2AMH02	\$1,462	61	B0058FLF3OMHD	\$4,283	65
B0032FLF3OMHJ01	\$1,698	71	B0036FLT2AMH	\$1,632	57	B0054FLC2OMH02	\$1,462	61	B0058FLF3OMHJ	\$5,647	71
B0032FLT2AMH	\$1,315	57	B0036FLT2OMH	\$1,632	57	B0054FLF1BMHD02	\$1,395	65	B0058YLF2OSH	\$4,717	76
B0032FLT2OMH	\$1,315	57	B0036YLF2AMH	\$2,887	76	B0054FLF1BYHD	\$1,269	65	B0058YLF2USH	\$4,717	76
B0032YLF2AMH	\$2,078	76	B0036YLF2OMH	\$2,887	76	B0054FLF1OMHD02	\$1,395	65	B0102DLF2OMH01	\$1,866	38
B0032YLF2OMH	\$2,078	76	B00385LC2AMH	\$6,459	123	B0054FLF2AMH03	\$1,337	53	B0102DLF2UMH01	\$1,866	38
B00344LC1BMHD	\$4,885	125	B00385LC2OMH	\$6,459	123	B0054FLF2AYH	\$1,157	53	B0102FLC2OMH01	\$2,121	61
B00344LC1OMHD	\$4,885	125	B00385LC3BMHD	\$8,814	125	B0054FLF2OMH03	\$1,337	53	B0102FLC2UMH01	\$2,121	61
B00344LC2AMH	\$2,962	123	B00385LC3OMHD	\$8,814	125	B0054FLF2OYH	\$1,157	53	B0102FLF1BMHD04	\$2,151	66
B00344LC2OMH	\$2,962	123	B00385LF2AMH	\$6,223	119	B0054FLF3BMHJ01	\$1,707	71	B0102FLF2OMH04	\$1,979	53
B00344LF1BMHD	\$4,696	120	B00385LF2OMH	\$6,223	119	B0054FLF3OMHJ01	\$1,707	71	B0102FLF2UMH04	\$1,979	53
B00344LF1OMHD	\$4,696	120	B00385LF3BMHD	\$8,578	120	B0054FLT2AMH	\$1,403	57	B0102FLF3BMHJ02	\$2,724	71
B00344LF2AMH	\$2,773	118	B00385LF3OMHD	\$8,578	120	B0054FLT2AYH	\$1,334	57	B0102FLF3OMHD04	\$2,151	66
B00344LF2OMH	\$2,773	118	B0038FLF2AMH	\$3,035	53	B0054FLT2OMH	\$1,403	57	B0102FLF3OMHJ02	\$2,724	71
B0034DLF2AMH02	\$930	38	B0038FLF2OMH	\$3,035	53	B0054YLF2ASH	\$2,268	76	B0102FLT2OMH	\$2,074	57
B0034DLF2AYH	\$772	38	B0038FLF3BMHD	\$3,227	65	B0054YLF2OSH	\$2,268	76	B0102FLT2UMH	\$2,074	57
B0034DLF2OMH02	\$930	38	B0038FLF3BMHJ	\$4,447	71	B00565LC2AMH	\$5,481	123	B0102YLF2OMH	\$3,224	76
B0034FLC2AMH02	\$1,304	60	B0038FLF3OMHD	\$3,227	65	B00565LC2OMH	\$5,481	123	B0102YLF2UMH	\$3,224	76
B0034FLC2OMH02	\$1,304	61	B0038FLF3OMHJ	\$4,447	71	B00565LC3BMHD	\$7,406	125	B01046LC2OSH	\$5,816	123
B0034FLF1BMHD02	\$1,194	65	B0038YLF2AMH	\$3,852	76	B00565LC3OMHD	\$7,406	125	B01046LC2USH	\$5,816	123
B0034FLF1BYHD	\$1,086	65	B0038YLF2OMH	\$3,852	76	B00565LF2AMH	\$5,244	119	B01046LC3BSHD	\$7,732	125
B0034FLF1OMHD02	\$1,194	65	B0052DLF2AMH02	\$1,240	38	B00565LF2OMH	\$5,244	119	B01046LC3OSHD	\$7,732	125
B0034FLF2AMH03	\$1,171	52	B0052DLF2AYH	\$1,021	38	B00565LF3BMHD	\$7,170	121	B01046LF2OSH	\$5,579	119
B0034FLF2AYH	\$1,013	52	B0052DLF2OMH02	\$1,240	38	B00565LF3OMHD	\$7,170	121	B01046LF2USH	\$5,579	119
B0034FLF2OMH03	\$1,171	53	B0052FLC2AMH02	\$1,594	61	B0056DLF2AMH01	\$1,880	38	B01046LF3BSHD	\$7,495	121
B0034FLF2OYH	\$1,013	53	B0052FLC2OMH02	\$1,594	61	B0056DLF2OMH01	\$1,880	38	B01046LF3OSHD	\$7,495	121
B0034FLF3BMHJ01	\$1,594	71	B0052FLF1BMHD02	\$1,576	65	B0056FLC2AMH01	\$2,358	61	B01047LC3OSHD	\$10,232	125
B0034FLF3OMHJ01	\$1,594	71	B0052FLF1BYHD	\$1,432	65	B0056FLC2OMH01	\$2,358	61	B0104DLF2OSH01	\$1,712	38
B0034FLT2AMH	\$1,244	57	B0052FLF1OMHD02	\$1,576	65	B0056FLF1BMHD04	\$2,372	65	B0104DLF2USH01	\$1,712	38
B0034FLT2AYH	\$1,190	57	B0052FLF2AMH03	\$1,475	53	B0056FLF2AMH04	\$2,121	53	B0104FLC2OSH01	\$2,147	61
B0034FLT2OMH	\$1,244	57	B0052FLF2AYH	\$1,278	53	B0056FLF2OMH04	\$2,121	53	B0104FLC2USH01	\$2,147	61

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B0104FLF2OSH04	\$1,911	53	B0108YLF3OMH	\$6,561	76	B0156YLF3OMH	\$7,558	76	B0204YLF2OSH	\$5,081	77
B0104FLF2USH04	\$1,911	53	B0152DLF2OMH01	\$2,364	38	B0156YLF3UMH	\$7,558	76	B0204YLF2USH	\$5,081	77
B0104FLF3BSHJ01	\$2,790	71	B0152DLF2UMH01	\$2,364	38	B01589LC2OSH	\$23,515	123	B02069LC2OSH	\$20,976	123
B0104FLF3OSH04	\$2,145	66	B0152FLC2OSH01	\$2,969	61	B01589LC2USH	\$23,515	123	B02069LC2USH	\$20,976	123
B0104FLF3OSHJ01	\$2,790	71	B0152FLC2USH01	\$2,969	61	B01589LF2OSH	\$22,960	119	B02069LC3BSHD	\$21,473	125
B0104FLT2OSH	\$2,100	57	B0152FLF1BMHD02	\$2,948	66	B01589LF2USH	\$22,960	119	B02069LC3OSHD	\$21,473	125
B0104FLT2USH	\$2,100	57	B0152FLF2OSH02	\$2,721	53	B01589LF3BSHD	\$23,471	121	B02069LF2OSH	\$20,421	119
B0104YLF2OSH	\$3,311	76	B0152FLF2USH02	\$2,721	53	B01589LF3OSH	\$23,471	121	B02069LF2USH	\$20,421	119
B0104YLF2USH	\$3,311	76	B0152FLF3BMHJ01	\$3,747	71	B0158FLF3BMHD	\$8,234	66	B02069LF3BSHD	\$20,917	121
B01067LC2OSH	\$8,380	123	B0152FLF3OMHD02	\$2,948	66	B0158FLF3BMHJ	\$9,541	71	B02069LF3OSH	\$20,917	121
B01067LC2USH	\$8,380	123	B0152FLF3OMHJ01	\$3,747	71	B0158FLF3OMH	\$7,735	53	B0206FLF3BMHD02	\$5,861	66
B01067LC3BSHD	\$11,150	125	B0152FLT2OSH	\$2,911	57	B0158FLF3OMHD	\$8,234	66	B0206FLF3BMHJ01	\$7,626	72
B01067LC3OSHD	\$11,150	125	B0152FLT2USH	\$2,911	57	B0158FLF3OMHJ	\$9,541	72	B0206FLF3OMH02	\$5,364	54
B01067LF2OSH	\$8,002	119	B0152YLF2AMH	\$4,413	76	B0158FLF3UMH	\$7,735	53	B0206FLF3OMHD02	\$5,861	66
B01067LF2USH	\$8,002	119	B0152YLF2OMH	\$4,413	76	B0158YLF2OSH	\$8,632	77	B0206FLF3OMHJ01	\$7,626	72
B01067LF3BSHD	\$10,772	121	B01547LC2OSH	\$7,693	123	B0158YLF2USH	\$8,632	76	B0206FLF3UMH02	\$5,364	54
B01067LF3OSH	\$10,772	121	B01547LC2USH	\$7,693	123	B0202DLF2OMH01	\$2,787	38	B0206VLF1OMH01	\$4,349	38
B01068LC3BSHD	\$14,261	125	B01547LC3BSHD	\$10,232	125	B0202DLF2UMH01	\$2,787	38	B0206VLF1UMH01	\$4,349	38
B01068LC3OSHD	\$14,261	125	B01547LF2OSH	\$7,315	119	B0202FLC2OSH01	\$3,735	61	B0206YLF3OMH	\$8,396	77
B0106DLF2OMH01	\$2,754	38	B01547LF2USH	\$7,315	119	B0202FLC2USH01	\$3,735	61	B0206YLF3UMH	\$8,396	77
B0106DLF2UMH01	\$2,754	38	B01547LF3BSHD	\$9,854	121	B0202FLF1BMHD02	\$3,564	66	B0208FLF3BMHD	\$10,066	66
B0106FLC2OSH01	\$3,645	61	B01547LF3OSH	\$9,854	121	B0202FLF2OSH02	\$3,357	53	B0208FLF3BMHJ	\$11,402	72
B0106FLC2USH01	\$3,645	61	B0154DLF2OMH01	\$2,358	38	B0202FLF2USH02	\$3,357	53	B0208FLF3OMH	\$9,455	54
B0106FLF1BMHD02	\$3,747	66	B0154DLF2UMH01	\$2,358	38	B0202FLF3BMHJ01	\$4,634	72	B0208FLF3OMHD	\$10,066	66
B0106FLF2OSH02	\$3,267	53	B0154FLC2OSH01	\$2,957	61	B0202FLF3OMHD02	\$3,564	66	B0208FLF3OMHJ	\$11,402	72
B0106FLF2USH02	\$3,267	53	B0154FLC2USH01	\$2,957	61	B0202FLF3OMHJ01	\$4,634	72	B0208FLF3UMH	\$9,455	54
B0106FLF3BMHJ01	\$4,715	71	B0154FLF1BMHD02	\$2,827	66	B0202FLT2OSH	\$3,675	57	B0208YLF3AMH	\$9,757	77
B0106FLF3OMHD02	\$3,747	66	B0154FLF2OSH02	\$2,579	53	B0202FLT2USH	\$3,675	57	B0208YLF3OMH	\$9,757	77
B0106FLF3OMHJ01	\$4,715	71	B0154FLF2USH02	\$2,579	53	B0202YLF2OSH	\$5,289	77	B0252DLF2OMH01	\$3,404	38
B0106FLT2OSH	\$3,586	57	B0154FLF3BMHJ01	\$3,681	71	B0202YLF2USH	\$5,289	77	B0252DLF2UMH01	\$3,404	38
B0106FLT2USH	\$3,586	57	B0154FLF3OMHD02	\$2,827	66	B02048LC2OSH	\$9,598	123	B0252FLC3OMH02	\$4,675	61
B0106YLF2OSH	\$5,181	76	B0154FLF3OMHJ01	\$3,681	71	B02048LC2USH	\$9,598	123	B0252FLC3UMH02	\$4,675	61
B0106YLF2USH	\$5,181	76	B0154FLT2OSH	\$2,899	57	B02048LC3BSHD	\$12,154	125	B0252FLG3BMHD02	\$4,611	66
B01088LC2OSH	\$12,662	123	B0154FLT2USH	\$2,899	57	B02048LC3OSH	\$12,154	125	B0252FLG3BMHJ01	\$5,714	72
B01088LC2USH	\$12,662	123	B0154YLF2OSH	\$4,242	76	B02048LF2OSH	\$9,221	119	B0252FLG3OMH02	\$4,325	54
B01088LC3BSHD	\$15,740	125	B0154YLF2USH	\$4,242	76	B02048LF2USH	\$9,221	119	B0252FLG3OMHD02	\$4,611	66
B01088LC3OSHD	\$15,740	125	B01568LC2OSH	\$11,169	123	B02048LF3BSHD	\$11,776	121	B0252FLG3OMHJ01	\$5,714	72
B01088LF2OSH	\$12,107	119	B01568LC2USH	\$11,169	123	B02048LF3OSH	\$11,776	121	B0252FLG3UMH02	\$4,325	54
B01088LF2USH	\$12,107	119	B01568LF2OSH	\$10,614	119	B0204DLF2OMH01	\$2,823	38	B0252FLT3OMH	\$4,592	57
B01088LF3BSHD	\$15,185	121	B01568LF2USH	\$10,614	119	B0204DLF2UMH01	\$2,823	38	B0252FLT3UMH	\$4,592	57
B01088LF3OSH	\$15,185	121	B01568LF3BSHD	\$13,706	121	B0204FLC2OSH01	\$3,564	61	B0252YLG3OMH	\$6,886	77
B01089LC3BSHD	\$24,026	125	B01568LF3OSH	\$13,706	121	B0204FLC2USH01	\$3,564	61	B0252YLG3UMH	\$6,886	77
B01089LC3OSHD	\$24,026	125	B0156FLF3BMHD02	\$4,980	66	B0204FLF1BMHD02	\$3,522	66	B02548LC2OSH	\$10,737	123
B0108FLF2OSH	\$5,943	53	B0156FLF3BMHJ01	\$6,258	71	B0204FLF2OSH02	\$3,186	53	B02548LC2USH	\$10,737	123
B0108FLF2USH	\$5,943	53	B0156FLF3OMH02	\$4,580	53	B0204FLF2USH02	\$3,186	53	B02548LC3BSHD	\$13,543	125
B0108FLF3BMHD	\$6,320	66	B0156FLF3OMHD02	\$4,980	66	B0204FLF3BMHJ01	\$4,580	72	B02548LC3OSH	\$13,543	125
B0108FLF3BMHJ	\$7,672	71	B0156FLF3OMHJ01	\$6,258	71	B0204FLF3OMHD02	\$3,522	66	B02548LF2OSH	\$10,182	119
B0108FLF3OMHD	\$6,320	66	B0156FLF3UMH02	\$4,580	53	B0204FLF3OMHJ01	\$4,580	72	B02548LF2USH	\$10,182	119
B0108FLF3OMHJ	\$7,672	71	B0156VLF1OMH01	\$3,723	38	B0204FLT2OSH	\$3,506	57	B02548LF3BSHD	\$12,988	121

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B0254FLC3OMH02	\$4,419	61	B03049LF2OSH	\$19,702	119	B0404FLC3OSH02	\$6,739	61	B0504FLF3OSH02	\$7,326	54
B0254FLC3UMH02	\$4,419	61	B03049LF2USH	\$19,702	119	B0404FLC3USH02	\$6,739	61	B0504FLF3OSHD01	\$7,527	67
B0254FLF3BMHD02	\$4,262	66	B03049LF3BSHD	\$20,034	121	B0404FLF3BSHD01	\$6,478	67	B0504FLF3OSHJ01	\$10,350	72
B0254FLF3BMHJ01	\$5,454	72	B03049LF3OSHD	\$20,034	121	B0404FLF3BSHJ01	\$8,429	72	B0504FLF3USH02	\$7,326	54
B0254FLF3OMH02	\$3,864	54	B0304FLC3OMH02	\$5,201	61	B0404FLF3OSH02	\$6,007	54	B0504FLT3OSH	\$7,845	58
B0254FLF3OMHD02	\$4,262	66	B0304FLC3UMH02	\$5,201	61	B0404FLF3OSHD01	\$6,478	67	B0504FLT3USH	\$7,845	58
B0254FLF3OMHJ01	\$5,454	72	B0304FLF3BMHD02	\$4,978	66	B0404FLF3OSHJ01	\$8,429	72	B0504VLF1OMH01	\$5,908	39
B0254FLF3UMH02	\$3,864	54	B0304FLF3BMHJ01	\$6,343	72	B0404FLF3USH02	\$6,007	54	B0504VLF1UMH01	\$5,908	39
B0254FLT3OMH	\$4,337	57	B0304FLF3OMH02	\$4,646	54	B0404FLT3OSH	\$6,528	57	B0504YLF1AMH	\$11,656	77
B0254FLT3UMH	\$4,337	57	B0304FLF3OMHD02	\$4,978	66	B0404FLT3USH	\$6,528	57	B0504YLF1OMH	\$11,656	77
B0254VLF1OSH01	\$3,442	38	B0304FLF3OMHJ01	\$6,343	72	B0404VLF1OMH01	\$4,974	39	B0506FLF3BMHD01	\$12,733	67
B0254VLF1USH01	\$3,442	38	B0304FLF3UMH02	\$4,646	54	B0404VLF1UMH01	\$4,974	39	B0506FLF3BMHJ01	\$16,565	72
B0254YLF3OMH	\$6,201	77	B0304FLT3OMH	\$5,119	57	B0404YLF1AMH	\$9,572	77	B0506FLF3OMH02	\$12,140	54
B0254YLF3UMH	\$6,201	77	B0304FLT3UMH	\$5,119	57	B0404YLF1OMH	\$9,572	77	B0506FLF3OMHD01	\$12,733	67
B0256FLF3BMHD01	\$7,462	66	B0304VLF1OSH01	\$4,001	39	B0406FLF3BMHD01	\$11,092	67	B0506FLF3OMHJ01	\$16,565	72
B0256FLF3BMHJ01	\$9,242	72	B0304VLF1USH01	\$4,001	39	B0406FLF3BMHJ01	\$14,428	72	B0506FLF3UMH02	\$12,140	54
B0256FLF3OMH02	\$6,836	54	B0304YLF3OMH	\$7,193	77	B0406FLF3OMH02	\$10,399	54	B0506VLF3OSH	\$10,643	39
B0256FLF3OMHD01	\$7,462	66	B0304YLF3UMH	\$7,193	77	B0406FLF3OMHD01	\$11,092	67	B0506VLF3USH	\$10,643	39
B0256FLF3OMHJ01	\$9,242	72	B0306FLF3BMHD01	\$8,183	66	B0406FLF3OMHJ01	\$14,428	72	B0506YLF3OMH	\$17,577	77
B0256FLF3UMH02	\$6,836	54	B0306FLF3BMHJ01	\$10,642	72	B0406FLF3UMH02	\$10,399	54	B0506YLF3UMH	\$17,577	77
B0256VLF1OMH01	\$5,161	38	B0306FLF3OMH02	\$7,949	54	B0406VLF3OSH	\$9,113	39	B0508FLF3BMHD	\$20,030	67
B0256VLF1UMH01	\$5,161	38	B0306FLF3OMHD01	\$8,183	66	B0406VLF3USH	\$9,113	39	B0508FLF3BMHJ	\$21,570	72
B0256YLF1OMH	\$10,179	77	B0306FLF3OMHJ01	\$10,642	72	B0406YLF3OMH	\$15,474	77	B0508FLF3OMH	\$18,800	54
B0256YLF1UMH	\$10,179	77	B0306FLF3UMH02	\$7,949	54	B0406YLF3UMH	\$15,474	77	B0508FLF3OMHD	\$20,030	67
B0258FLF3BMHD	\$11,742	66	B0306VLF1OMH01	\$5,905	39	B0408FLF3BMHD	\$16,777	67	B0508FLF3OMHJ	\$21,570	72
B0258FLF3BMHJ	\$13,006	72	B0306VLF1UMH01	\$5,905	39	B0408FLF3BMHJ	\$18,060	72	B0508FLF3UMH	\$18,800	54
B0258FLF3OMH	\$10,994	54	B0306YLF1OMH	\$11,916	77	B0408FLF3OMH	\$15,735	54	B0508YLF3ASH	\$21,459	77
B0258FLF3OMHD	\$11,742	66	B0306YLF1UMH	\$11,916	77	B0408FLF3OMHD	\$16,777	67	B0508YLF3OSH	\$21,459	77
B0258FLF3OMHJ	\$13,006	72	B0308FLF3BMHD	\$13,860	66	B0408FLF3OMHJ	\$18,060	72	B0602FLC3OMH01	\$11,332	61
B0258FLF3UMH	\$10,994	54	B0308FLF3BMHJ	\$15,230	72	B0408FLF3UMH	\$15,735	54	B0602FLC3UMH01	\$11,332	61
B0258YLF1AMH	\$12,367	77	B0308FLF3OMH	\$13,011	54	B0408YLF3AMH	\$17,679	77	B0602FLG3BMHD02	\$12,090	67
B0258YLF1OMH	\$12,367	77	B0308FLF3OMHD	\$13,860	67	B0408YLF3OMH	\$17,679	77	B0602FLG3BMHJ	\$13,475	72
B0302FLC3OMH02	\$5,289	61	B0308FLF3OMHJ	\$15,230	72	B0502FLC3OMH01	\$8,999	61	B0602FLG3OMH02	\$10,187	54
B0302FLC3UMH02	\$5,289	61	B0308FLF3UMH	\$13,011	54	B0502FLC3UMH01	\$8,999	61	B0602FLG3OMHD02	\$12,090	67
B0302FLG3BMHD02	\$5,350	66	B0308YLF3AMH	\$14,718	77	B0502FLG3BMHD02	\$8,752	67	B0602FLG3OMHJ	\$13,475	72
B0302FLG3BMHJ01	\$6,669	72	B0308YLF3OMH	\$14,718	77	B0502FLG3BMHJ01	\$11,386	72	B0602FLG3UMH02	\$10,187	54
B0302FLG3OMH02	\$4,829	54	B0402FLC3OMH01	\$6,695	61	B0502FLG3OMH02	\$8,266	54	B0602FLU3OMH	\$11,132	58
B0302FLG3OMHD02	\$5,350	66	B0402FLC3UMH01	\$6,695	61	B0502FLG3OMHD02	\$8,752	67	B0602FLU3UMH	\$11,132	58
B0302FLG3OMHJ01	\$6,669	72	B0402FLG3BMHD02	\$7,079	67	B0502FLG3OMHJ01	\$11,386	72	B0602VLG3OMH	\$7,019	39
B0302FLG3UMH02	\$4,829	54	B0402FLG3BMHJ01	\$8,770	72	B0502FLG3UMH02	\$8,266	54	B0602VLG3UMH	\$7,019	39
B0302FLT3OMH	\$5,207	57	B0402FLG3OMH02	\$6,261	54	B0502FLU3OMH	\$8,786	58	B0602YLG3OMH	\$17,529	77
B0302FLT3UMH	\$5,207	57	B0402FLG3OMHD02	\$7,079	67	B0502FLU3UMH	\$8,786	58	B0602YLG3UMH	\$17,529	77
B0302VLG3OMH	\$4,264	39	B0402FLG3OMHJ01	\$8,770	72	B0502VLG3OMH	\$6,175	39	B0604FLC3OMH02	\$11,470	62
B0302VLG3UMH	\$4,264	39	B0402FLG3UMH02	\$6,261	54	B0502VLG3UMH	\$6,175	39	B0604FLC3UMH02	\$11,470	62
B0302YLG3OMH	\$7,424	77	B0402FLT3OMH	\$6,482	57	B0502YLG3OMH	\$12,299	77	B0604FLF3BMHD01	\$11,416	67
B0302YLG3UMH	\$7,424	77	B0402FLT3UMH	\$6,482	57	B0502YLG3UMH	\$12,299	77	B0604FLF3BMHJ01	\$13,362	72
B03049LC2OSH	\$20,258	123	B0402VLG3OMH	\$5,195	39	B0504FLC3OSH02	\$8,058	61	B0604FLF3OMH02	\$10,324	54
B03049LC2USH	\$20,258	123	B0402VLG3UMH	\$5,195	39	B0504FLC3USH02	\$8,058	61	B0604FLF3OMHD01	\$11,416	67
B03049LC3BSHD	\$20,589	125	B0402YLG3OMH	\$9,991	77	B0504FLF3BSHD01	\$7,527	67	B0604FLF3OMHJ01	\$13,362	72

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B0604FLT3OMH	\$11,269	58	B0754YLF3OMH	\$20,839	78	B1002YLG3OSH	\$27,483	78	B1254FLF3OSHJ	\$21,434	97
B0604FLT3UMH	\$11,269	58	B0754YLF3UMH	\$20,839	78	B1002YLG3USH	\$27,483	78	B1254FLF3USH	\$16,168	84
B0604VLF3OSH	\$7,109	39	B0756FLF3BSHD01	\$13,802	90	B1004FLF3BSHD01	\$13,298	90	B1254FLF4BSHD01	\$17,567	91
B0604VLF3USH	\$7,109	39	B0756FLF3BSHJ01	\$17,010	96	B1004FLF3BSHJ01	\$16,680	96	B1254FLF4BSHJ01	\$21,434	97
B0604YLF3OMH	\$16,939	77	B0756FLF3OSH02	\$13,770	83	B1004FLF3OSH03	\$12,828	83	B1254FLF4OSH01	\$16,168	84
B0604YLF3UMH	\$16,939	77	B0756FLF3OSHD01	\$13,802	90	B1004FLF3OSHD01	\$13,298	90	B1254FLF4OSHD01	\$17,567	91
B0606FLF3BSHD01	\$11,723	90	B0756FLF3OSHJ01	\$17,010	96	B1004FLF3OSHJ01	\$16,680	96	B1254FLF4OSHJ01	\$21,434	97
B0606FLF3BSHJ01	\$13,722	96	B0756FLF3USH02	\$13,770	83	B1004FLF3USH03	\$12,828	83	B1254FLF4USH01	\$16,168	84
B0606FLF3OSH02	\$10,866	83	B0756VLF3OSH	\$14,470	39	B1004VLF3OSH	\$11,142	39	B1254VLF3OSH	\$12,567	39
B0606FLF3OSHD01	\$11,723	90	B0756VLF3USH	\$14,470	39	B1004VLF3USH	\$11,142	39	B1254VLF3USH	\$12,567	39
B0606FLF3OSHJ01	\$13,722	96	B0756YLF3OSH	\$24,369	78	B1004YLF3OSH	\$25,623	78	B1254YLF40SH	\$30,048	78
B0606FLF3USH02	\$10,866	83	B0756YLF3USH	\$24,369	78	B1004YLF3USH	\$25,623	78	B1254YLF4USH	\$30,048	78
B0606VLF3OSH	\$12,418	39	B0758FLF4BSHD	\$30,151	67	B1006FLF4BSHD01	\$18,864	91	B1256FLF4BSHD01	\$22,013	91
B0606VLF3USH	\$12,418	39	B0758FLF4BSHJ	\$31,510	73	B1006FLF4BSHJ01	\$22,087	96	B1256FLF4BSHJ01	\$26,862	97
B0606YLF3OSH	\$22,001	77	B0758FLF4OSH	\$28,301	54	B1006FLF4OSH01	\$18,189	84	B1256FLF4OSH01	\$18,753	84
B0606YLF3USH	\$22,001	77	B0758FLF4OSHD	\$30,151	67	B1006FLF4OSHD01	\$18,864	91	B1256FLF4OSHD01	\$22,013	91
B0608FLF3BSHD	\$22,918	67	B0758FLF4OSHJ	\$31,510	73	B1006FLF4OSHJ01	\$22,087	96	B1256FLF4OSHJ01	\$26,862	97
B0608FLF3BSHJ	\$24,355	72	B0758FLF4USH	\$28,301	54	B1006FLF4USH01	\$18,189	84	B1256FLF4USH01	\$18,753	84
B0608FLF3OSH	\$21,475	54	B0758YLF4ASH	\$29,453	78	B1006VLF4OSH	\$18,327	39	B1256VLF4OSH	\$20,814	39
B0608FLF3OSHD	\$22,918	67	B0758YLF4OSH	\$29,453	78	B1006VLF4USH	\$18,327	39	B1256VLF4USH	\$20,814	39
B0608FLF3OSHJ	\$24,355	72	B1/24EMC2AOZ	\$468	59	B1006YLF4OSH	\$33,871	78	B1256YLF4OSH	\$36,392	78
B0608FLF3USH	\$21,475	54	B1/24EMC2OOZ	\$468	59	B1006YLF4USH	\$33,871	78	B1256YLF4USH	\$36,392	78
B0608YLF3ASH	\$24,407	78	B1/24EMF2AOZ	\$435	43	B1008FLF4BSHD	\$37,327	67	B1258FLF4BMH	\$37,283	55
B0608YLF3OSH	\$24,407	78	B1/24EMF2OOZ	\$435	43	B1008FLF4BSHJ	\$38,470	73	B1258FLF4BMHL	\$41,106	55
B0752FLC3OMH02	\$13,974	62	B1/24FLF2AMH	\$811	51	B1008FLF4OSH	\$34,990	55	B1258FLF4BSHD	\$40,795	67
B0752FLC3UMH02	\$13,974	62	B1/24FLF2OMH	\$811	51	B1008FLF4OSHD	\$37,327	67	B1258FLF4BSHDL	\$42,836	67
B0752FLG3BMHD02	\$14,458	67	B1/262LC1BMHD	\$4,207	124	B1008FLF4OSHJ	\$38,470	73	B1258FLF4BSHJ	\$41,727	73
B0752FLG3BMHJ01	\$16,929	73	B1/262LC1OMHD	\$4,207	124	B1008FLF4USH	\$34,990	55	B1258FLF4BSHJL	\$41,727	73
B0752FLG3OMH02	\$12,828	54	B1/262LC2AMH	\$2,395	122	B1251FLG3BSHD01	\$18,903	91	B1258FLF4OMH	\$37,283	55
B0752FLG3OMHD01	\$14,458	67	B1/262LC2OMH	\$2,395	122	B1251FLG3BSHJ	\$23,063	97	B1258FLF4OMHL	\$41,106	55
B0752FLG3OMHJ	\$16,929	73	B1/262LF1BMHD	\$4,018	120	B1251FLG3OSH	\$16,507	84	B1258FLF4OSHD	\$40,795	67
B0752FLG3UMH02	\$12,828	54	B1/262LF1OMHD	\$4,018	120	B1251FLG3OSHD01	\$18,903	91	B1258FLF4OSHDL	\$42,836	67
B0752FLU3OMH	\$13,773	58	B1/262LF2AMH	\$2,206	118	B1251FLG3OSHJ	\$23,063	97	B1258FLF4OSHJ	\$41,727	73
B0752FLU3UMH	\$13,773	58	B1/262LF2OMH	\$2,206	118	B1251FLG3USH	\$16,507	84	B1258FLF4OSHJL	\$41,727	73
B0752VLG3OSH	\$9,617	39	B1/26FLF2AMH	\$957	51	B1251YLG3OSH	\$34,442	78	B1501YLG3OSH	\$40,313	78
B0752VLG3USH	\$9,617	39	B1/26FLF2OMH	\$957	51	B1251YLG3USH	\$34,442	78	B1501YLG3USH	\$40,313	78
B0752YLG3OMH	\$20,315	78	B1/26FMC2AOZ	\$654	59	B1252VLG3OSH	\$14,535	39	B1502VLG3OSH	\$17,681	39
B0752YLG3UMH	\$20,315	78	B1/26FMC2OOZ	\$654	59	B1252VLG3USH	\$14,535	39	B1502VLG3USH	\$17,681	39
B0754FLC3OMH02	\$14,446	62	B1/26FMF2AOZ	\$632	43	B1253FLG3BSHD01	\$18,903	91	B1503YLG3OSH	\$40,313	78
B0754FLC3UMH02	\$14,446	62	B1/26FMF2OOZ	\$632	43	B1253FLG3BSHJ	\$23,063	97	B1503YLG3USH	\$40,313	78
B0754FLF3BMHD01	\$13,700	67	B1/28FLF2AM	\$1,032	48	B1253FLG3OSH01	\$16,507	84	B1504FLF3BSHD	\$20,422	91
B0754FLF3BMHJ01	\$16,939	73	B1/28FLF2OM	\$1,032	48	B1253FLG3OSHD01	\$18,903	91	B1504FLF3BSHJ	\$24,918	97
B0754FLF3OMH02	\$13,300	54	B1002FLG3BSHD01	\$15,223	90	B1253FLG3OSHJ	\$23,063	97	B1504FLF3OSH	\$18,867	84
B0754FLF3OMHD01	\$13,700	67	B1002FLG3BSHJ	\$17,821	96	B1253FLG3USH01	\$16,507	84	B1504FLF3OSHD	\$20,422	91
B0754FLF3OMHJ01	\$16,939	73	B1002FLG3OSH02	\$13,470	83	B1253YLG3OSH	\$34,442	78	B1504FLF3OSHJ	\$24,918	97
B0754FLF3UMH02	\$13,300	54	B1002FLG3OSHD01	\$15,223	90	B1253YLG3USH	\$34,442	78	B1504FLF3USH	\$18,867	84
B0754FLT3OMH	\$14,245	58	B1002FLG3OSHJ	\$17,821	96	B1254FLF3BSHD	\$17,567	91	B1504FLF4BSHD01	\$20,422	91
B0754FLT3UMH	\$14,245	58	B1002FLG3USH02	\$13,470	83	B1254FLF3BSHJ	\$21,434	97	B1504FLF4BSHJ01	\$24,918	97
B0754VLF3OSH	\$8,475	39	B1002VLG3OSH	\$12,030	39	B1254FLF3OSH	\$16,168	84	B1504FLF4OSH01	\$18,867	84

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B1504FLF4QOSHD01	\$20,422	91	B2003YLG3OSH	\$49,194	78	B2501FKG3OM	\$43,850	44	B2504FLG3BMHD	\$32,094	91
B1504FLF4QOSHJ01	\$24,918	97	B2004FLF3BSH	\$22,677	84	B2501FLG3BMH	\$35,072	84	B2504FLG3OM	\$36,451	44
B1504FLF4USH01	\$18,867	84	B2004FLF3BSHD	\$24,840	91	B2501FLG3BMHD	\$38,404	91	B2504FLG3OMH	\$29,310	85
B1504VLF4QOSH	\$18,147	39	B2004FLF3BSHJ01	\$30,312	97	B2501FLG3BMHDL	\$36,865	91	B2504FLG3OMHD	\$32,094	92
B1504VLF4USH	\$18,147	39	B2004FLF3OSH	\$22,677	84	B2501FLG3BMHL	\$33,666	84	B2504VLF4BM	\$22,406	30
B1504YLF4OMH	\$35,522	78	B2004FLF3OSHD	\$24,840	91	B2501FLG3BML	\$40,826	44	B2504VLF4BMH	\$30,715	40
B1504YLF4USH	\$35,522	78	B2004FLF3OSHJ	\$30,312	97	B2501FLG3OMH	\$35,072	84	B2504VLF4OM	\$22,406	30
B1506FLF4BSH01	\$21,896	84	B2004FLF4BSH01	\$22,677	84	B2501FLG3OMHD	\$38,404	91	B2504VLF4OMH	\$30,715	40
B1506FLF4BSHD01	\$24,628	91	B2004FLF4BSHD01	\$24,840	91	B2501FLG3OMHDL	\$36,865	91	B2504VLG3BM	\$22,406	30
B1506FLF4BSHJ01	\$30,054	97	B2004FLF4BSHJ01	\$30,312	97	B2501FLG3OMHL	\$33,666	84	B2504VLG3BMH	\$30,715	40
B1506FLF4OSH01	\$21,896	84	B2004FLF4OSH01	\$22,677	84	B2501FLG3OML	\$40,826	44	B2504VLG3OM	\$22,406	30
B1506FLF4OSHD01	\$24,628	91	B2004FLF4OSHD01	\$24,840	91	B2502VLG3OMH	\$29,802	40	B2504VLG3OMH	\$30,715	40
B1506FLF4QOSHJ01	\$30,054	97	B2004FLF4QOSHJ01	\$30,312	97	B2502VLG3OS	\$25,361	30	B2506FLF4BM	\$46,371	44
B1506VLF4BSH	\$23,074	40	B2004VLF4QOSH	\$21,882	40	B2502VLG3UM	\$25,361	30	B2506FLF4BMH01	\$38,959	85
B1506VLF4QOSH	\$23,074	40	B2004VLF4USH	\$21,882	40	B2502VLG3UMH	\$29,802	40	B2506FLF4BMHD	\$42,660	92
B1506VLG3BSH	\$23,074	40	B2004YLF4BSH	\$41,984	78	B2503FKG3BM	\$43,850	44	B2506FLF4BMHDL	\$37,630	92
B1506VLG3OSH	\$23,074	40	B2004YLF4OSH	\$41,984	78	B2503FKG3OM	\$43,850	44	B2506FLF4BMHL	\$34,366	85
B1506YLF4BMH	\$39,597	78	B2006FLF4BMHL	\$27,242	84	B2503FLG3BMH	\$35,072	84	B2506FLF4BML	\$39,874	44
B1506YLF4OMH	\$39,597	78	B2006FLF4BSH	\$32,565	84	B2503FLG3BMHD	\$38,404	91	B2506FLF4BSHJL	\$40,972	97
B1508FLF4BMH	\$62,739	55	B2006FLF4BSHD	\$35,230	91	B2503FLG3BMHDL	\$36,865	91	B2506FLF4OM	\$46,371	44
B1508FLF4BMHL	\$47,418	55	B2006FLF4BSHDL	\$31,007	91	B2503FLG3BMHL	\$33,666	84	B2506FLF4OMH01	\$38,959	85
B1508FLF4BSHD	\$68,058	67	B2006FLF4BSHJL	\$36,822	97	B2503FLG3BML	\$40,826	44	B2506FLF4OMHD	\$42,660	92
B1508FLF4BSHDL	\$51,673	67	B2006FLF4OMHL	\$27,242	84	B2503FLG3BSHJL	\$40,168	97	B2506FLF4OMHDL	\$37,630	92
B1508FLF4BSHJL	\$52,234	73	B2006FLF4QOSH	\$32,565	84	B2503FLG3OMH	\$35,072	84	B2506FLF4OMHL	\$34,366	85
B1508FLF4OMH	\$62,739	55	B2006FLF4OSHD	\$35,230	91	B2503FLG3OMHD	\$38,404	91	B2506FLF4OML	\$39,874	44
B1508FLF4OMHL	\$47,418	55	B2006FLF4OSHDL	\$31,007	91	B2503FLG3OMHDL	\$36,865	91	B2506FLF4OSHJL	\$40,972	97
B1508FLF4OSHD	\$68,058	67	B2006FLF4OSHJL	\$36,822	97	B2503FLG3OMHL	\$33,666	84	B2506FLG3BM	\$42,827	44
B1508FLF4QOSHDL	\$51,673	67	B2006FLG3BSH	\$29,781	84	B2503FLG3OML	\$40,826	44	B2506FLG3BMH01	\$36,175	85
B1508FLF4QOSHJL	\$52,234	73	B2006FLG3BSHD	\$32,445	91	B2503FLG3OSHJL	\$40,168	97	B2506FLG3BMHD	\$39,611	92
B1508FLG3BMH	\$59,271	55	B2006FLG3OSH	\$29,781	84	B2504FKF4BSF	\$28,846	44	B2506FLG3OM	\$42,827	44
B1508FLG3BSHD	\$64,590	67	B2006FLG3OSHD	\$32,445	91	B2504FKF4OSF	\$28,846	44	B2506FLG3OMH01	\$36,175	85
B1508FLG3OMH	\$59,271	55	B2006VLF4BMH	\$37,362	40	B2504FLF3BMHDL	\$30,145	91	B2506FLG3OMHD	\$39,611	92
B1508FLG3OSHD	\$64,590	67	B2006VLF4OMH	\$37,362	40	B2504FLF3BMHL	\$27,529	84	B2506VLF4BM	\$30,133	30
B2001FLG3BSH	\$26,798	84	B2006VLG3BMH	\$33,894	40	B2504FLF3BSHJL	\$33,112	97	B2506VLF4BME	\$24,801	30
B2001FLG3BSHD	\$28,727	91	B2006VLG3OMH	\$33,894	40	B2504FLF4BM	\$39,995	44	B2506VLF4BMH	\$39,068	40
B2001FLG3BSHJ	\$35,052	97	B2008FLF4BMH	\$69,627	55	B2504FLF4BMH	\$32,094	85	B2506VLF4OM	\$30,133	30
B2001FLG3OSH	\$26,798	84	B2008FLF4BMHL	\$52,928	55	B2504FLF4BMHD	\$35,143	92	B2506VLF4OME	\$24,801	30
B2001FLG3OSHD	\$28,727	91	B2008FLF4BSHD	\$71,291	67	B2504FLF4BMHDL	\$30,145	91	B2506VLF4OMH	\$39,068	40
B2001FLG3OSHJ	\$35,052	97	B2008FLF4BSHDL	\$54,257	67	B2504FLF4BMHL	\$27,529	84	B2506VLG3BM	\$26,590	30
B2001YLG3BSH	\$49,194	78	B2008FLF4BSHJL	\$58,788	73	B2504FLF4BML	\$33,937	44	B2506VLG3BMH	\$35,600	40
B2001YLG3OSH	\$49,194	78	B2008FLF4OMH	\$69,627	55	B2504FLF4BSHJL	\$33,112	97	B2506VLG3OM	\$26,590	30
B2002VLG3OSH	\$27,504	40	B2008FLF4OMHL	\$52,928	55	B2504FLF4OM	\$39,995	44	B2506VLG3OMH	\$35,600	40
B2002VLG3USH	\$27,504	40	B2008FLF4OSHD	\$71,291	67	B2504FLF4OMH	\$32,094	85	B2508FLF4BM	\$63,475	44
B2003FLG3BSH01	\$26,798	84	B2008FLF4OSHDL	\$54,257	67	B2504FLF4OMHD	\$35,143	92	B2508FLF4BMH	\$69,454	55
B2003FLG3BSHD	\$28,727	91	B2008FLF4OSHJL	\$58,788	73	B2504FLF4OMHDL	\$30,145	92	B2508FLF4BMHDL	\$71,232	68
B2003FLG3BSHJ	\$35,052	97	B2008FLG3BMH	\$66,159	55	B2504FLF4OMHL	\$27,529	85	B2508FLF4BMHL	\$66,147	55
B2003FLG3OSH01	\$26,798	84	B2008FLG3BSHD	\$67,823	67	B2504FLF4OML	\$33,937	44	B2508FLF4BML	\$56,935	44
B2003FLG3OSHD	\$28,727	91	B2008FLG3OMH	\$66,159	55	B2504FLF4OSHJL	\$33,112	97	B2508FLF4OM	\$63,475	44
B2003FLG3OSHJ	\$35,052	97	B2008FLG4OSHD	\$67,823	67	B2504FLG3BM	\$36,451	44	B2508FLF4OMH	\$69,454	55
B2003YLG3BSH	\$49,194	78	B2501FKG3BM	\$43,850	44	B2504FLG3BMH	\$29,310	84	B2508FLF4OMHDL	\$71,232	68

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B2508FLF4OMHL	\$66,147	55	B3/48FLF2AMH	\$1,638	52	B3004FLF4OMHDL	\$35,143	92	B3501FLG3BMHDL	\$50,904	92
B2508FLF4OML	\$56,935	44	B3/48FLF2OM03	\$1,134	48	B3004FLF4OMHL	\$32,094	85	B3501FLG3BMHL	\$46,820	85
B2508FLG4BM	\$59,931	44	B3/48FLF2OMH	\$1,638	52	B3004FLF4OML	\$39,891	44	B3501FLG3BML	\$54,514	45
B2508FLG4OM	\$59,931	44	B3/48FLF3BMHJ	\$2,785	70	B3004FLF4OSHJL	\$38,361	97	B3501FLG3OMHDL	\$50,904	92
B2508VLF4BD	\$39,685	30	B3/48FLF3OMHJ	\$2,785	70	B3004FLG3BM	\$42,844	44	B3501FLG3OMHL	\$46,820	85
B2508VLF4OD	\$39,685	30	B3/48YLF2ASH	\$2,105	75	B3004FLG3BMH01	\$33,704	85	B3501FLG3OML	\$54,514	45
B2508VLG3BM	\$36,141	30	B3/48YLF2OSH	\$2,105	75	B3004FLG3BMHD	\$36,906	92	B3501FLG8BM	\$55,606	45
B2508VLG3OM	\$36,141	30	B3001FLG3BM	\$54,281	44	B3004FLG3OM	\$42,844	44	B3501FLG8OM	\$55,606	45
B3/42FMC2AOZ	\$430	59	B3001FLG3BMHDL	\$46,020	92	B3004FLG3OMH01	\$33,704	85	B3502VLG3BM	\$34,114	31
B3/42FMC2OOZ	\$430	59	B3001FLG3BMHL	\$41,936	85	B3004FLG3OMHD	\$36,906	92	B3502VLG3BMH	\$42,117	40
B3/42FMF2AOZ	\$430	43	B3001FLG3BML	\$50,539	44	B3004VLF4BM	\$24,855	30	B3502VLG3OM	\$34,114	31
B3/42FMF2OOZ	\$430	43	B3001FLG3OM	\$54,281	44	B3004VLF4BMH	\$32,234	40	B3502VLG3OMH	\$42,117	40
B3/44FLF2AMH	\$853	51	B3001FLG3OMHDL	\$46,020	92	B3004VLF4OM	\$24,855	30	B3503FLG3BMHDL	\$50,904	92
B3/44FLF2OMH	\$853	51	B3001FLG3OMHL	\$41,936	85	B3004VLF4OMH	\$32,234	40	B3503FLG3BMHL	\$46,820	85
B3/44FMC2AOZ	\$500	59	B3001FLG3OML	\$50,539	44	B3004VLG3BM	\$24,855	30	B3503FLG3BML	\$54,514	45
B3/44FMC2OOZ	\$500	59	B3001FLG8BMH	\$43,497	85	B3004VLG3BMH	\$32,234	40	B3503FLG3OMHDL	\$50,904	92
B3/44FMF2AOZ	\$468	43	B3001FLG8BMHD	\$47,580	92	B3004VLG3OM	\$24,855	30	B3503FLG3OMHL	\$46,820	85
B3/44FMF2OOZ	\$468	43	B3001FLG8OMH	\$43,497	85	B3004VLG3OMH	\$32,234	40	B3503FLG3OML	\$54,514	45
B3/462LC1BMHD	\$4,271	124	B3001FLG8OMHD	\$47,580	92	B3006FLF4BM	\$51,866	45	B3503FLG8BM	\$55,606	45
B3/462LC1OMHD	\$4,271	124	B3002VLG3BM	\$29,783	30	B3006FLF4BMH01	\$52,056	85	B3503FLG8BMH	\$49,150	85
B3/462LC2AMH	\$2,449	122	B3002VLG3BMH	\$38,793	40	B3006FLF4BMHD	\$56,139	92	B3503FLG8BMHD	\$53,233	92
B3/462LC2OMH	\$2,449	122	B3002VLG3OM	\$29,783	30	B3006FLF4BMHDL	\$50,981	92	B3503FLG8OM	\$55,606	45
B3/462LF1BMHD	\$4,082	120	B3002VLG3OMH	\$38,793	40	B3006FLF4BMHL	\$46,898	85	B3503FLG8OMH	\$49,150	85
B3/462LF1OMHD	\$4,082	120	B3003FLG3BM	\$54,281	44	B3006FLF4BML	\$44,988	44	B3503FLG8OMHD	\$53,233	92
B3/462LF2AMH	\$2,260	118	B3003FLG3BMHDL	\$46,020	92	B3006FLF4BSHJL	\$54,990	97	B3504FLF3BMHDL	\$39,515	92
B3/462LF2OMH	\$2,260	118	B3003FLG3BMHL	\$41,936	85	B3006FLF4OM	\$51,866	45	B3504FLF3BMHL	\$36,087	85
B3/46DLF2AMH02	\$855	37	B3003FLG3BML	\$50,539	44	B3006FLF4OMH01	\$52,056	85	B3504FLF4BM	\$50,599	45
B3/46DLF2OMH02	\$855	37	B3003FLG3BSHJL	\$49,783	97	B3006FLF4OMHD	\$56,139	92	B3504FLF4BMH01	\$40,674	85
B3/46FLC2AMH02	\$1,148	60	B3003FLG3OM	\$54,281	44	B3006FLF4OMHDL	\$50,981	92	B3504FLF4BMHD	\$44,538	92
B3/46FLC2AOZ	\$684	59	B3003FLG3OMHDL	\$46,020	92	B3006FLF4OMHL	\$46,898	85	B3504FLF4BMHDL	\$39,515	92
B3/46FLC2OMH02	\$1,148	60	B3003FLG3OMHL	\$41,936	85	B3006FLF4OML	\$44,988	44	B3504FLF4BMHL	\$36,087	85
B3/46FLC2OOZ	\$684	59	B3003FLG3OML	\$50,539	44	B3006FLF4OSHJL	\$54,990	97	B3504FLF4BML	\$43,812	45
B3/46FLF1BMHD02	\$1,025	64	B3003FLG3OSHJL	\$49,783	97	B3006FLG3BM	\$48,322	45	B3504FLF4OM	\$50,599	45
B3/46FLF1BYHD	\$932	64	B3003FLG8BMH	\$43,497	85	B3006FLG3BMH01	\$49,272	85	B3504FLF4OMH	\$40,674	85
B3/46FLF1OMHD02	\$1,025	64	B3003FLG8BMHD	\$47,580	92	B3006FLG3BMHD	\$53,355	92	B3504FLF4OMHD	\$44,538	92
B3/46FLF2AMH03	\$1,007	51	B3003FLG8OMH	\$43,497	85	B3006FLG3OM	\$48,322	45	B3504FLF4OMHDL	\$39,515	92
B3/46FLF2AOZ	\$647	43	B3003FLG8OMHD	\$47,580	92	B3006FLG3OMH	\$49,272	85	B3504FLF4OMHL	\$36,087	85
B3/46FLF2AYH	\$872	51	B3004FLF3BMHDL	\$35,144	92	B3006FLG3OMHD	\$53,355	92	B3504FLF4OML	\$43,812	45
B3/46FLF2OMH03	\$959	51	B3004FLF3BMHL	\$32,094	85	B3006VKF4BME	\$28,800	30	B3504FLG3BM	\$47,056	45
B3/46FLF2OOZ	\$647	43	B3004FLF3BSHJL	\$38,361	97	B3006VKF4OME	\$28,800	30	B3504FLG3BMH01	\$37,890	85
B3/46FLF2OYH	\$872	52	B3004FLF4BM	\$46,387	44	B3006VKG3BME	\$28,800	30	B3504FLG3BMHD	\$41,489	92
B3/46FLF3BMHJ01	\$1,254	70	B3004FLF4BMH01	\$36,488	85	B3006VKG3OME	\$28,800	30	B3504FLG3OM	\$47,056	45
B3/46FLF3OMHJ01	\$1,254	70	B3004FLF4BMHD	\$39,955	92	B3006VLF4BM	\$34,421	31	B3504FLG3OMH01	\$37,890	85
B3/46FLT2AMH	\$1,089	56	B3004FLF4BMHDL	\$35,143	92	B3006VLF4BMH	\$46,961	40	B3504FLG3OMHD	\$41,489	92
B3/46FLT2OMH	\$1,089	56	B3004FLF4BMHL	\$32,094	85	B3006VLF4OM	\$34,421	31	B3504VLF4BM	\$32,956	31
B3/46YLF2ASH	\$1,747	75	B3004FLF4BML	\$39,891	44	B3006VLF4OMH	\$46,961	40	B3504VLF4BME	\$27,433	31
B3/46YLF2OSH	\$1,747	75	B3004FLF4BSHJL	\$38,361	97	B3006VLG3BM	\$30,877	31	B3504VLF4BMH	\$41,012	40
B3/48FLF1BMHD	\$1,686	64	B3004FLF4OM	\$46,387	44	B3006VLG3BMH	\$43,493	40	B3504VLF4OM	\$32,956	31
B3/48FLF1OMHD	\$1,686	64	B3004FLF4OMH01	\$36,488	85	B3006VLG3OM	\$30,877	31	B3504VLF4OME	\$27,433	31
B3/48FLF2AM03	\$1,134	48	B3004FLF4OMHD	\$39,955	92	B3006VLG3OMH	\$43,493	40	B3504VLF4OMH	\$41,012	40

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B3504VLG3BM	\$29,413	31	B4004FLF4OMHD	\$59,899	93	B4504VKG3BME	\$30,457	32	B6002VKG3BME	\$58,722	32
B3504VLG3BME	\$27,433	31	B4004FLF4OML	\$58,294	45	B4504VKG3OME	\$30,457	32	B6002VKG3OME	\$58,722	33
B3504VLG3BMH	\$37,544	40	B4004FLG3BMH01	\$53,030	86	B4504VLF4BM	\$38,582	32	B7002VKG3BMH	\$75,091	41
B3504VLG3OM	\$29,413	31	B4004FLG3BMHD	\$57,115	93	B4504VLF4BMH	\$56,724	41	B7002VKG3OMH	\$75,091	41
B3504VLG3OME	\$27,433	31	B4004FLG3OMH01	\$53,030	86	B4504VLF4OM	\$38,582	32	BY152DLF2AMH02	\$806	37
B3504VLG3OMH	\$37,544	40	B4004FLG3OMHD	\$57,115	93	B4504VLF4OMH	\$56,724	41	BY152DLF2AYH	\$673	37
B3506FLF4BM	\$55,738	45	B4004VLF4BM	\$34,757	31	B4504VLG3BM	\$35,038	32	BY152DLF2OMH02	\$806	37
B3506FLF4BMH	\$54,731	85	B4004VLF4BME	\$29,112	31	B4504VLG3BMH	\$53,256	40	BY152FLC2AMH02	\$1,110	60
B3506FLF4BMHD	\$58,815	92	B4004VLF4BMH	\$50,808	40	B4504VLG3OM	\$35,038	32	BY152FLC2AOZ	\$560	59
B3506FLF4BMHDL	\$53,528	92	B4004VLF4OM	\$34,757	31	B4504VLG3OMH	\$53,256	40	BY152FLC2OMH02	\$1,110	60
B3506FLF4BMHL01	\$49,445	85	B4004VLF4OME	\$29,112	31	B5001FKG8BMH	\$72,911	86	BY152FLC2OOZ	\$560	59
B3506FLF4BML	\$52,455	45	B4004VLF4OMH	\$50,808	40	B5001FKG8BMHD	\$76,995	93	BY152FLF1BMHD02	\$1,089	65
B3506FLF4OM	\$55,738	45	B4004VLG3BM	\$31,213	31	B5001FKG8OMH	\$72,911	87	BY152FLF1BYVD	\$943	65
B3506FLF4OMH	\$54,731	86	B4004VLG3BME	\$29,112	31	B5001FKG8OMHD	\$76,995	93	BY152FLF1OMHD02	\$1,089	65
B3506FLF4OMHD	\$58,815	93	B4004VLG3BMH	\$47,340	40	B5002VLG3BM	\$46,128	32	BY152FLF2AMH03	\$967	52
B3506FLF4OMHDL	\$53,528	93	B4004VLG3OM	\$31,213	31	B5002VLG3BME	\$43,023	32	BY152FLF2AOZ	\$557	43
B3506FLF4OMHL01	\$49,445	86	B4004VLG3OME	\$29,112	31	B5002VLG3BMH	\$58,700	41	BY152FLF2AYH	\$805	52
B3506FLF4OML	\$52,455	45	B4004VLG3OMH	\$47,340	40	B5002VLG3OM	\$46,128	32	BY152FLF2OMH03	\$967	52
B3506FLG3BM	\$52,194	45	B4501FLG8BM	\$68,607	46	B5002VLG3OME	\$43,023	32	BY152FLF2OOZ	\$557	43
B3506FLG3BMH	\$51,947	85	B4501FLG8BMH	\$65,623	86	B5002VLG3OMH	\$58,700	41	BY152FLF2OYH	\$805	52
B3506FLG3BMHD	\$56,030	92	B4501FLG8BMHD	\$69,708	93	B5003FKG8BMH	\$72,911	86	BY152FLF3BMHJ01	\$1,213	70
B3506FLG3OM	\$52,194	45	B4501FLG8OM	\$68,607	46	B5003FKG8BMHD	\$76,995	93	BY152FLF3OMHJ01	\$1,213	70
B3506FLG3OMH	\$51,947	86	B4501FLG8OMH	\$65,623	86	B5003FKG8OMH	\$72,911	86	BY152FLT2AMH	\$1,051	56
B3506FLG3OMHD	\$56,030	93	B4501FLG8OMHD	\$69,708	93	B5003FKG8OMHD	\$76,995	93	BY152FLT2OMH	\$1,051	56
B3506VLF4BM	\$35,194	31	B4502VLG3BM	\$42,430	31	B5003FLG8BM	\$78,749	46	BY152YLF2AMH	\$1,730	75
B3506VLF4OM	\$35,194	31	B4502VLG3BME	\$39,577	31	B5003FLG8OM	\$78,749	46	BY152YLF2OMH	\$1,730	75
B3506VLG3BM	\$31,650	31	B4502VLG3BMH	\$52,842	40	B5004FLF4BM	\$69,823	46	BY1543LC1BMHD	\$4,373	124
B3506VLG3OM	\$31,650	31	B4502VLG3OM	\$42,430	32	B5004FLF4BMH	\$62,672	87	BY1543LC1OMHD	\$4,373	124
B4001FLG8BM	\$62,301	45	B4502VLG3OME	\$39,577	31	B5004FLF4BMHD	\$66,756	93	BY1543LC2AMH	\$2,527	122
B4001FLG8BMH	\$58,324	86	B4502VLG3OMH	\$52,842	40	B5004FLF4OM	\$69,823	46	BY1543LC2OMH	\$2,527	122
B4001FLG8BMHD	\$62,409	93	B4503FLG8BM	\$68,607	46	B5004FLF4OMH	\$62,672	87	BY1543LF1BMHD	\$4,184	120
B4001FLG8OM	\$62,301	45	B4503FLG8BMH	\$65,623	86	B5004FLF4OMHD	\$66,756	93	BY1543LF1OMHD	\$4,184	120
B4001FLG8OMH	\$58,324	86	B4503FLG8BMHD	\$69,708	93	B5004FLG3BM	\$66,280	46	BY1543LF2AMH	\$2,338	118
B4001FLG8OMHD	\$62,409	93	B4503FLG8OM	\$68,607	46	B5004FLG3BMH	\$59,888	87	BY1543LF2OMH	\$2,338	118
B4002VLG3BM	\$38,817	31	B4503FLG8OMH	\$65,623	86	B5004FLG3BMHD	\$63,972	93	BY154DLF2AMH02	\$779	37
B4002VLG3BMH	\$48,900	40	B4503FLG8OMHD	\$69,708	93	B5004FLG3OM	\$66,280	46	BY154DLF2AYH	\$673	37
B4002VLG3OM	\$38,817	31	B4504FLF4BM	\$66,154	46	B5004FLG3OMH	\$59,888	87	BY154DLF2OMH02	\$779	37
B4002VLG3OMH	\$48,900	40	B4504FLF4BMH	\$56,684	86	B5004FLG3OMHD	\$63,972	93	BY154FLC2AMH02	\$1,081	60
B4003FLG3BML	\$59,185	45	B4504FLF4BMHD	\$60,767	93	B5004VKF4BME	\$42,300	32	BY154FLC2AOZ	\$566	59
B4003FLG3OML	\$59,185	45	B4504FLF4OM	\$66,154	46	B5004VKF4OME	\$42,300	32	BY154FLC2OMH02	\$1,081	60
B4003FLG8BM	\$62,301	45	B4504FLF4OMH	\$56,684	86	B5004VKG3BME	\$42,300	32	BY154FLC2OOZ	\$566	59
B4003FLG8BMH	\$58,324	86	B4504FLF4OMHD	\$60,767	93	B5004VKG3OME	\$42,300	32	BY154FLF1BMHD02	\$1,035	65
B4003FLG8BMHD	\$62,409	93	B4504FLG3BM	\$62,611	46	B5004VLF4BM	\$50,075	32	BY154FLF1BYVD	\$941	65
B4003FLG8OM	\$62,301	45	B4504FLG3BMH	\$53,900	86	B5004VLF4BMH	\$64,057	41	BY154FLF1OMHD02	\$1,035	65
B4003FLG8OMH	\$58,324	86	B4504FLG3BMHD	\$57,983	93	B5004VLF4OM	\$50,075	32	BY154FLF2AMH03	\$937	52
B4003FLG8OMHD	\$62,409	93	B4504FLG3OM	\$62,611	46	B5004VLF4OMH	\$64,057	41	BY154FLF2AOZ	\$549	43
B4004FLF4BMH01	\$55,815	86	B4504FLG3OMH	\$53,900	86	B5004VLG3BM	\$46,532	32	BY154FLF2AYH	\$812	52
B4004FLF4BMHD	\$59,899	93	B4504FLG3OMHD	\$57,983	93	B5004VLG3BMH	\$60,686	41	BY154FLF2OMH03	\$937	52
B4004FLF4BML	\$58,294	45	B4504VKF4BME	\$30,457	32	B5004VLG3OM	\$46,532	32	BY154FLF2OOZ	\$549	43
B4004FLF4OMH01	\$55,815	86	B4504VKF4OME	\$30,457	32	B5004VLG3OMH	\$60,686	41	BY154FLF2OYH	\$812	52

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BY154FLF3BMHJ01	\$1,200	70	BY158YLF2ASH	\$2,416	75	BY756FLC2USH01	\$3,052	61	C0256FLF3UMWQ	\$6,003	128
BY154FLF3OMHJ01	\$1,200	70	BY158YLF2OSH	\$2,416	75	BY756FLF1BMHD02	\$3,052	66	C0304FLF3OMWQ	\$4,256	128
BY154FLT2AMH	\$1,023	56	BY752DLF2AMH02	\$1,648	38	BY756FLF2OSH02	\$2,674	53	C0304FLF3UMWQ	\$4,256	128
BY154FLT2AYH	\$942	56	BY752DLF2AYH	\$1,497	38	BY756FLF2USH02	\$2,674	53	C0306FLF3OMWQ	\$6,169	128
BY154FLT2OMH	\$1,023	56	BY752DLF2OMH02	\$1,648	38	BY756FLF3BMHJ01	\$3,860	71	C0306FLF3UMWQ	\$6,169	128
BY154YLF2AMH	\$1,710	75	BY752FLC2OMH01	\$1,807	61	BY756FLF3OMHD02	\$3,052	66	C0404FLF3OSWQ	\$5,683	128
BY154YLF2OSH	\$1,710	75	BY752FLC2UMH01	\$1,807	61	BY756FLF3OMHJ01	\$3,860	71	C0404FLF3USWQ	\$5,683	128
BY1563LC1BMHD	\$4,729	124	BY752FLF1BMHD04	\$1,925	66	BY756FLT2OSH	\$2,993	57	C0406FLF3OMWQ	\$9,161	128
BY1563LC1OMHD	\$4,729	124	BY752FLF2OMH04	\$1,649	53	BY756FLT2USH	\$2,993	57	C0406FLF3UMWQ	\$9,161	128
BY1563LC2AMH	\$2,841	122	BY752FLF2UMH04	\$1,649	53	BY756YLF2OMH	\$4,299	76	C0504FLF3OSWQ	\$6,343	128
BY1563LC2OMH	\$2,841	122	BY752FLF3BMHJ02	\$2,334	71	BY756YLF2USH	\$4,299	76	C0504FLF3USWQ	\$6,343	128
BY1563LF1BMHD	\$4,540	120	BY752FLF3OMHD04	\$1,925	66	BY7586LF2OSH	\$9,936	119	C0506FLF3OMWQ	\$10,299	128
BY1563LF1OMHD	\$4,540	120	BY752FLF3OMHJ02	\$2,334	71	BY7586LF2USH	\$9,936	119	C0506FLF3UMWQ	\$10,299	128
BY1563LF2AMH	\$2,652	118	BY752FLT2OMH	\$1,759	57	BY7586LF3BSHD	\$12,558	121	C0604FLF3OMWQ	\$8,883	128
BY1563LF2OMH	\$2,652	118	BY752FLT2UMH	\$1,759	57	BY7586LF3OSHD	\$12,558	121	C0604FLF3UMWQ	\$8,883	128
BY156DLF2AMH02	\$967	37	BY752YLF2OMH	\$2,986	76	BY7587LC2OSH	\$10,314	123	C0606FLF3OSWQ	\$13,440	128
BY156DLF2OMH02	\$967	37	BY752YLF2UMH	\$2,986	76	BY7587LC2USH	\$10,314	123	C0606FLF3USWQ	\$13,440	128
BY156FLC2AMH02	\$1,268	60	BY7545LC2OSH	\$5,185	123	BY7587LC3BSHD	\$12,936	125	C0754FLF3OMQ	\$7,502	130
BY156FLC2AOZ	\$765	59	BY7545LC2USH	\$5,185	123	BY7587LC3OSHD	\$12,936	125	C0754FLF3UMQ	\$7,502	130
BY156FLC2OMH02	\$1,268	60	BY7545LC3BSHD	\$7,047	125	BY758FLF2OSH	\$5,090	53	C0756FLF3OMQ	\$10,017	130
BY156FLC2OOZ	\$765	59	BY7545LC3OSHD	\$7,047	125	BY758FLF2USH	\$5,090	53	C0756FLF3UMQ	\$10,017	130
BY156FLF1BMHD02	\$1,236	65	BY7545LF2OSH	\$4,949	119	BY758FLF3BMHD	\$5,414	66	C1004FLF3OSQ	\$9,477	130
BY156FLF1BYHD	\$1,123	65	BY7545LF2USH	\$4,949	119	BY758FLF3BMHJ	\$6,748	71	C1004FLF3USQ	\$9,477	130
BY156FLF1OMHD02	\$1,236	65	BY7545LF3BSHD	\$6,810	121	BY758FLF3OMHD	\$5,414	66	C1006FLF4OMQ	\$13,769	130
BY156FLF2AMH03	\$1,133	52	BY7545LF3OSHD	\$6,810	121	BY758FLF3OMHJ	\$6,748	71	C1006FLF4UMQ	\$13,769	130
BY156FLF2AOZ	\$752	43	BY754DLF2OSH01	\$1,427	38	BY758YLF2OMH	\$5,199	76	C1254FLF4OMQ	\$13,388	130
BY156FLF2AYH	\$980	52	BY754DLF2USH01	\$1,427	38	BY758YLF2USH	\$5,199	76	C1254FLF4UMQ	\$13,388	130
BY156FLF2OMH03	\$1,079	52	BY754FLC2OSH01	\$1,807	61	C0014FLF2OMWQ	\$603	127	C1256FLF4OMQ	\$14,851	130
BY156FLF2OOZ	\$752	43	BY754FLC2USH01	\$1,807	61	C0014FLF2UMWQ	\$603	127	C1256FLF4UMQ	\$14,851	130
BY156FLF2OYH	\$980	52	BY754FLF1BSHD04	\$1,823	66	C0024FLF2OMWQ	\$726	127	C1258FLF4BMQ	\$20,402	130
BY156FLF3BMHJ01	\$1,651	70	BY754FLF2OSH04	\$1,570	53	C0024FLF2UMWQ	\$726	127	C1258FLF4OMQ	\$20,402	130
BY156FLF3OMHJ01	\$1,651	70	BY754FLF2USH04	\$1,570	53	C0034FLF2OMWQ	\$818	127	C1504FLF4OMQ	\$15,030	130
BY156FLT2AMH	\$1,210	56	BY754FLF3BSHJ01	\$2,317	71	C0034FLF2UMWQ	\$818	127	C1504FLF4UMQ	\$15,030	130
BY156FLT2OMH	\$1,210	56	BY754FLF3OSHD04	\$1,823	66	C0054FLF2OMWQ	\$949	127	C1506FLF4BMQ	\$17,054	130
BY156YLF2ASH	\$1,918	75	BY754FLF3OSHJ01	\$2,317	71	C0054FLF2UMWQ	\$949	127	C1506FLF4BMQZ	\$17,054	130
BY156YLF2OSH	\$1,918	75	BY754FLT2OSH	\$1,759	57	C0104FLF2OSWQ	\$1,701	127	C1506FLF4OMQ	\$17,054	130
BY1584LC1BMHD	\$5,821	124	BY754FLT2USH	\$1,759	57	C0104FLF2USWQ	\$1,701	127	C1506FLF4OMQZ	\$17,054	130
BY1584LC1OMHD	\$5,821	124	BY754YLF2OMH	\$2,844	76	C0106FLF2OSWQ	\$2,887	127	C2004FLF4BMQ	\$18,085	130
BY1584LC2AMH	\$3,930	122	BY754YLF2USH	\$2,844	76	C0106FLF2USWQ	\$2,887	127	C2004FLF4BMQZ	\$18,085	130
BY1584LC2OMH	\$3,930	122	BY7566LC2OSH	\$6,937	123	C0154FLF2OSWQ	\$2,359	127	C2004FLF4OMQ	\$18,085	130
BY1584LF1BMHD	\$5,586	120	BY7566LC2USH	\$6,937	123	C0154FLF2USWQ	\$2,359	127	C2004FLF4OMQZ	\$18,085	131
BY1584LF1OMHD	\$5,586	120	BY7566LC3BSHD	\$9,488	125	C0156FLF3OMWQ	\$4,301	127	C2006FLF4BMQ	\$22,330	131
BY1584LF2AMH	\$3,694	118	BY7566LC3OSHD	\$9,488	125	C0156FLF3UMWQ	\$4,301	127	C2006FLF4OMQ	\$22,330	131
BY1584LF2OMH	\$3,694	118	BY7566LF2OSH	\$6,559	119	C0204FLF2OSWQ	\$2,854	127	C2008FLF4BMQ	\$38,901	131
BY158FLF1BMHD	\$2,161	65	BY7566LF2USH	\$6,559	119	C0204FLF2USWQ	\$2,854	127	C2008FLF4OMQ	\$38,901	131
BY158FLF1OMHD	\$2,161	65	BY7566LF3BSHD	\$9,110	121	C0206FLF3OMWQ	\$4,872	127	CY154FLF2OMWQ	\$666	127
BY158FLF2AMH	\$2,034	52	BY7566LF3OSHD	\$9,110	121	C0206FLF3UMWQ	\$4,872	127	CY154FLF2UMWQ	\$666	127
BY158FLF2OMH	\$2,034	52	BY756DLF2OMH01	\$2,352	38	C0254FLF3OMWQ	\$3,805	127	CY754FLF2OSWQ	\$1,611	127
BY158FLF3BMHJ	\$3,373	70	BY756DLF2UMH01	\$2,352	38	C0254FLF3UMWQ	\$3,805	127	CY754FLF2USWQ	\$1,611	127
BY158FLF3OMHJ	\$3,373	70	BY756FLC2OSH01	\$3,052	61	C0256FLF3OMWQ	\$6,003	128	F2002VLG3JF	\$25,606	148

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F2004VLF3JF	\$28,328	148	F3508VLF4BM	\$49,481	31	F4506FLF4OM	\$74,418	46	F5008VLF4OM	\$69,169	32
F2006VLF3JF	\$33,833	148	F3508VLF4OM	\$49,481	31	F4506FLF4OMH	\$67,242	86	F5008VLG3BM	\$65,625	32
F2008VLF3JF	\$42,666	148	F3508VLG3BM	\$45,937	31	F4506FLF4OMHD	\$71,325	93	F5008VLG3OM	\$65,625	32
F2008VLF3JM	\$59,208	148	F3508VLG3OM	\$45,937	31	F4506FLF4OMQ	\$56,247	131	F6002VLG3BM	\$64,467	33
F2502VLG3JF	\$31,202	148	F4002VLG3JF	\$35,497	149	F4506FLG3BM	\$70,875	46	F6002VLG3BMH	\$67,752	41
F2504VLF3JF	\$30,306	148	F4004VLF3JF	\$35,673	149	F4506FLG3BMH	\$64,040	86	F6002VLG3OM	\$64,467	33
F2506VLF3JF	\$35,051	148	F4006FLF4BM	\$63,196	45	F4506FLG3BMHD	\$68,124	93	F6002VLG3OMH	\$67,752	41
F2508VLF3JF	\$54,773	148	F4006FLF4BMH	\$62,152	86	F4506FLG3OM	\$70,875	46	F6003FLG8BM	\$89,775	46
F2508VLF3JM	\$61,640	148	F4006FLF4BMHD	\$66,236	93	F4506FLG3OMH	\$64,040	86	F6003FLG8OM	\$89,775	46
F3002VLG3JF	\$32,488	148	F4006FLF4BMQ	\$49,240	131	F4506FLG3OMHD	\$68,124	93	F6004FLF4BM	\$82,294	46
F3004VLF3JF	\$32,602	148	F4006FLF4OM	\$63,196	45	F4506VLF3JF	\$53,773	149	F6004FLF4BMH	\$74,357	87
F3006VLF3JF	\$36,360	148	F4006FLF4OMH	\$62,152	86	F4506VLF4BM	\$56,700	32	F6004FLF4BMQ	\$56,930	131
F3008FLF4BM	\$66,543	45	F4006FLF4OMHD	\$66,236	93	F4506VLF4OM	\$56,700	32	F6004FLF4OM	\$82,294	46
F3008FLF4BMH	\$74,886	55	F4006FLF4OMQ	\$49,240	131	F4506VLG3BM	\$53,155	32	F6004FLF4OMH	\$74,357	87
F3008FLF4BMHD	\$75,983	68	F4006FLG3BM	\$59,653	45	F4506VLG3OM	\$53,155	32	F6004FLF4OMQ	\$56,930	131
F3008FLF4BMQ	\$53,174	131	F4006FLG3BMH	\$59,368	86	F4508FLF4BM	\$98,043	46	F6004FLG3BM	\$78,749	46
F3008FLF4OM	\$66,543	45	F4006FLG3BMHD	\$63,452	93	F4508FLF4BMQ	\$73,289	131	F6004FLG3BMH	\$71,155	87
F3008FLF4OMH	\$74,886	55	F4006FLG3OM	\$59,653	45	F4508FLF4OM	\$98,043	46	F6004FLG3OM	\$78,749	46
F3008FLF4OMHD	\$79,972	68	F4006FLG3OMH	\$59,368	86	F4508FLF4OMQ	\$73,289	131	F6004FLG3OMH	\$71,155	87
F3008FLF4OMQ	\$53,174	131	F4006FLG3OMHD	\$63,452	93	F4508FLG3BM	\$94,500	46	F6004VLF3JM	\$79,937	149
F3008FLG3BM	\$63,000	45	F4006VLF3JF	\$47,746	149	F4508FLG3OM	\$94,500	46	F6004VLF4BM	\$58,669	33
F3008FLG3BMH	\$70,898	55	F4006VLF4BM	\$50,793	31	F4508VLF3JM	\$71,217	149	F6004VLF4OM	\$58,669	33
F3008FLG3BMHD	\$75,983	68	F4006VLF4OM	\$50,793	31	F4508VLF4BM	\$62,605	32	F6004VLG3BM	\$55,124	33
F3008FLG3OM	\$63,000	45	F4006VLG3BM	\$47,250	31	F4508VLF4OM	\$62,605	32	F6004VLG3OM	\$55,124	33
F3008FLG3OMH	\$70,898	55	F4006VLG3OM	\$47,250	31	F4508VLG3BM	\$59,062	32	F6006FLF4BM	\$93,318	46
F3008FLG3OMHD	\$79,972	68	F4008FLF4BM	\$87,544	46	F4508VLG3OM	\$59,062	32	F6006FLF4BMH	\$88,589	87
F3008VLF3JF	\$55,835	148	F4008FLF4BMH	\$98,518	55	F5002VLG3JF	\$39,964	149	F6006FLF4BMQ	\$85,397	131
F3008VLF3JM	\$62,928	148	F4008FLF4BMHD	\$99,616	68	F5004VLF3JF	\$42,000	149	F6006FLF4OM	\$93,318	46
F3008VLF4BM	\$42,918	31	F4008FLF4BMQ	\$68,259	131	F5006FLF4BM	\$82,294	46	F6006FLF4OMH	\$88,589	87
F3008VLF4OM	\$42,918	31	F4008FLF4OM	\$87,544	46	F5006FLF4BMH	\$74,357	87	F6006FLF4OMQ	\$85,397	131
F3008VLG3BM	\$39,375	31	F4008FLF4OMH	\$98,518	55	F5006FLF4BMHD	\$78,440	93	F6006FLG3BM	\$89,775	46
F3008VLG3OM	\$39,375	31	F4008FLF4OMHD	\$103,603	68	F5006FLF4BMQ	\$71,163	131	F6006FLG3BMH	\$85,387	87
F3502VLG3JF	\$34,373	148	F4008FLF4OMQ	\$68,259	131	F5006FLF4OM	\$82,294	46	F6006FLG3OM	\$89,775	46
F3504VLF3JF	\$34,635	148	F4008FLG3BM	\$83,999	46	F5006FLF4OMH	\$74,357	87	F6006FLG3OMH	\$85,387	87
F3506VLF3JF	\$39,020	149	F4008FLG3BMH	\$94,530	55	F5006FLF4OMHD	\$78,440	93	F6006VLF3JM	\$80,466	149
F3508FLF4BM	\$77,043	45	F4008FLG3BMHD	\$99,616	68	F5006FLF4OMQ	\$71,163	131	F6006VLF4BM	\$74,418	33
F3508FLF4BMH	\$86,701	55	F4008FLG3OM	\$83,999	46	F5006FLG3BM	\$78,749	46	F6006VLF4OM	\$74,418	33
F3508FLF4BMHD	\$87,800	68	F4008FLG3OMH	\$94,530	55	F5006FLG3BMH	\$71,155	87	F6006VLG3BM	\$70,875	33
F3508FLF4BMQ	\$58,145	131	F4008FLG3OMHD	\$103,603	68	F5006FLG3BMHD	\$75,239	93	F6006VLG3OM	\$70,875	33
F3508FLF4OM	\$77,043	45	F4008VLF3JM	\$68,253	149	F5006FLG3OM	\$78,749	46	F7001VLG3BM	\$68,906	33
F3508FLF4OMH	\$86,701	55	F4008VLF4BM	\$56,043	31	F5006FLG3OMH	\$71,155	87	F7001VLG3OM	\$68,906	33
F3508FLF4OMHD	\$91,788	68	F4008VLF4OM	\$56,043	31	F5006FLG3OMHD	\$75,239	93	F7002VKG3BM	\$68,906	33
F3508FLF4OMQ	\$58,145	131	F4008VLG3BM	\$52,500	31	F5006VKF3JF	\$54,555	149	F7002VKG3OM	\$68,906	33
F3508FLG3BM	\$73,499	45	F4008VLG3OM	\$52,500	31	F5006VLF3JM	\$71,884	149	F7003FTAB11F-A	\$96,354	46
F3508FLG3BMH	\$82,714	55	F4502VLG3JF	\$38,915	149	F5006VLF4BM	\$62,605	32	F7003FTAC11F-A	\$96,354	46
F3508FLG3BMHD	\$87,800	68	F4504VLF3JF	\$40,486	149	F5006VLF4OM	\$62,605	32	F7003VLG3BM	\$68,906	33
F3508FLG3OM	\$73,499	45	F4506FLF4BM	\$74,418	46	F5006VLG3BM	\$59,062	32	F7003VLG3OM	\$68,906	33
F3508FLG3OMH	\$82,714	55	F4506FLF4BMH	\$67,242	86	F5006VLG3OM	\$59,062	32	F7004FLF4BM	\$95,418	46
F3508FLG3OMHD	\$91,788	68	F4506FLF4BMHD	\$71,325	93	F5008VLF3JM	\$74,573	149	F7004FLF4BMH	\$86,216	87
F3508VLF3JM	\$67,086	149	F4506FLF4BMQ	\$56,247	131	F5008VLF4BM	\$69,169	32	F7004FLF4OM	\$95,418	46

Model No.	Price	Page	Model No.	Price	Page	Model No.	Price	Page	Model No.	Price	Page
F7004FLF4OMH	\$86,216	87	M206WPAL11E-C	\$115,311	150	M355WPQL11E-C	\$138,137	151	Y154FCWC42H	\$3,702	137
F7004FLG3BM	\$91,875	46	M206WTAL11E-A	\$97,240	154	M403WPAL11F-A	\$101,213	151	Y154FNFB32A	\$1,555	133
F7004FLG3BMH	\$83,014	87	M206WTAL11E-C	\$119,115	154	M403WPAL11F-C	\$123,088	151	Y154FTCA21A-P	\$401	110
F7004FLG3OM	\$91,875	46	M253TCAL11F-A	\$116,413	160	M403WPQL11F-A	\$118,333	151	Y154FTCC21A-P	\$401	110
F7004FLG3OMH	\$83,014	87	M253TCAL11F-C	\$138,288	160	M403WPQL11F-C	\$140,208	151	Y154FTSA21A-P	\$406	11
F7004VLF3JM	\$82,124	150	M253TCQL11F-A	\$133,533	160	M403WTAL11F-A	\$108,041	154	Y154FTSA22A-P	\$496	19
F7004VLF4BM	\$67,855	33	M253TCQL11F-C	\$155,408	160	M403WTAL11F-C	\$129,916	154	Y154FTSA24A-P	\$496	22
F7004VLF4OM	\$67,855	33	M253WPAL11F-A	\$90,124	150	M403WTQL11F-A	\$125,161	154	Y154FTSA31A-P	\$562	16
F7004VLG3BM	\$64,312	33	M253WPAL11F-C	\$112,000	151	M403WTQL11F-C	\$147,036	154	Y154FTSC21A-P	\$406	11
F7004VLG3OM	\$64,312	33	M253WPQL11F-A	\$107,244	151	Y152DPNA21A-P	\$360	5	Y154FTSC22A-P	\$496	19
F7006VKF4BM	\$86,230	33	M253WPQL11F-C	\$129,120	151	Y152DPNC21A-P	\$360	5	Y154FTSC24A-P	\$496	22
F7006VKF4OM	\$86,230	33	M253WTAL11F-A	\$93,746	154	Y152DPSA21A-P	\$382	2	Y154FTSC31A-P	\$562	16
F7006VKG3BM	\$82,687	33	M253WTAL11F-C	\$115,622	154	Y152DPSA31A-P	\$515	7	Y154SDSC41A-P	\$510	82
F7006VKG3OM	\$82,687	33	M253WTQL11F-A	\$110,866	154	Y152DPSC21A-P	\$382	2	Y154SDSC42A-P	\$646	98
F7006VLF3JM	\$82,595	150	M253WTQL11F-C	\$132,742	154	Y152DPSC31A-P	\$515	7	Y154SDSR41A-P	\$510	82
F8001VLG3BM	\$78,749	33	M255WPAL11E-A	\$94,044	151	Y152FCNA21A-P	\$382	14	Y154SDSR42A-P	\$646	98
F8001VLG3OM	\$78,749	33	M255WPAL11E-C	\$115,920	151	Y152FCNC21A-P	\$382	14	Y154XDSB41A-P	\$793	95
F8003VLG3BM	\$78,749	33	M255WPQL11E-A	\$111,164	151	Y152FTSA21A-P	\$406	11	Y154XDSB42A-P	\$902	104
F8003VLG3OM	\$78,749	33	M255WPQL11E-C	\$133,040	151	Y152FTSA22A-P	\$496	19	Y154XDSC41A-P	\$793	95
F8004VLF3JM	\$83,871	150	M255WTAL11E-A	\$97,602	154	Y152FTSA24A-P	\$496	22	Y154XDSC42A-P	\$902	104
F8004VLF4BM	\$77,043	33	M255WTAL11E-C	\$119,477	154	Y152FTSA31A-P	\$562	16	Y154XPEA21A-P	\$816	26
F8004VLF4OM	\$77,043	33	M255WTQL11E-A	\$114,722	154	Y152FTSC21A-P	\$406	11	Y154XPEC21A-P	\$816	26
F8004VLG3BM	\$73,499	33	M255WTQL11E-C	\$136,597	154	Y152FTSC22A-P	\$496	19	Y154XSSB41A-P	\$615	89
F8004VLG3OM	\$73,499	33	M303WPAL11F-A	\$94,537	151	Y152FTSC24A-P	\$496	22	Y154XSSB42A-P	\$724	101
F9004VLF3JM	\$85,888	150	M303WPAL11F-C	\$116,413	151	Y152FTSC31A-P	\$562	16	Y154XSSC41A-P	\$615	89
M203TCAL11F-A	\$110,135	159	M303WPQL11F-A	\$111,657	151	Y152SDSC41A-P	\$505	82	Y154XSSC42A-P	\$724	101
M203TCAL11F-C	\$132,011	159	M303WPQL11F-C	\$133,533	151	Y152SDSC42A-P	\$641	98	Y156DPNA21A-P	\$470	5
M203TCQL11F-A	\$127,255	159	M303WTAL11F-A	\$98,457	154	Y152SDSR41A-P	\$505	82	Y156DPNC21A-P	\$470	5
M203TCQL11F-C	\$149,131	159	M303WTAL11F-C	\$120,333	154	Y152SDSR42A-P	\$641	98	Y156DPSA21A-P	\$500	2
M203WPAL11F-A	\$85,411	150	M303WTQL11F-A	\$115,577	154	Y152XDSB41A-P	\$764	95	Y156DPSA31A-P	\$652	7
M203WPAL11F-C	\$107,287	150	M303WTQL11F-C	\$137,453	154	Y152XDSB42A-P	\$873	104	Y156DPSC21A-P	\$500	2
M203WPQL11F-A	\$102,531	150	M305WPAL11E-A	\$97,393	151	Y152XDSC41A-P	\$764	95	Y156DPSC31A-P	\$652	7
M203WPQL11F-C	\$124,407	150	M305WPAL11E-C	\$119,268	151	Y152XDSC42A-P	\$873	104	Y156FCNA21A-P	\$487	14
M203WTAL11F-A	\$89,797	154	M305WPQL11E-A	\$114,513	151	Y152XPEA21A-P	\$826	26	Y156FCNC21A-P	\$487	14
M203WTAL11F-C	\$111,673	154	M305WPQL11E-C	\$136,388	151	Y152XPEC21A-P	\$826	26	Y156FTCA21A-P	\$598	110
M203WTQL11F-A	\$106,917	154	M305WTAL11E-A	\$100,988	154	Y152XSSB41A-P	\$616	89	Y156FTCC21A-P	\$598	110
M203WTQL11F-C	\$128,793	154	M305WTAL11E-C	\$122,864	154	Y152XSSB42A-P	\$725	101	Y156FTSA21A-P	\$519	11
M205TCAL11E-A	\$114,313	160	M305WTQL11E-A	\$118,108	154	Y152XSSC41A-P	\$616	89	Y156FTSA22A-P	\$634	19
M205TCAL11E-C	\$136,188	160	M305WTQL11E-C	\$139,984	154	Y152XSSC42A-P	\$725	101	Y156FTSA24A-P	\$634	22
M205TCQL11E-A	\$131,433	160	M353WPAL11F-A	\$97,657	151	Y154DPNA21A-P	\$360	5	Y156FTSA31A-P	\$712	16
M205TCQL11E-C	\$153,308	160	M353WPAL11F-C	\$119,533	151	Y154DPNC21A-P	\$360	5	Y156FTSC21A-P	\$519	11
M205WPAL11E-A	\$87,940	150	M353WPQL11F-A	\$114,777	151	Y154DPSA21A-P	\$382	2	Y156FTSC22A-P	\$634	19
M205WPAL11E-C	\$109,815	150	M353WPQL11F-C	\$136,653	151	Y154DPSA31A-P	\$502	7	Y156FTSC24A-P	\$634	22
M205WPQL11E-A	\$105,060	150	M353WTAL11F-A	\$102,071	154	Y154DPSC21A-P	\$382	2	Y156FTSC31A-P	\$712	16
M205WPQL11E-C	\$126,935	150	M353WTAL11F-C	\$123,946	154	Y154DPSC31A-P	\$502	7	Y156SDSC41A-P	\$615	82
M205WTAL11E-A	\$91,248	154	M353WTQL11F-A	\$119,191	154	Y154FCNA21A-P	\$382	14	Y156SDSC42A-P	\$779	98
M205WTAL11E-C	\$113,124	154	M353WTQL11F-C	\$141,066	154	Y154FCNC21A-P	\$382	14	Y156SDSR41A-P	\$615	82
M205WTQL11E-A	\$108,368	154	M355WPAL11E-A	\$99,142	151	Y154FCWB42A	\$3,702	137	Y156SDSR42A-P	\$779	98
M205WTQL11E-C	\$130,244	154	M355WPAL11E-C	\$121,017	151	Y154FCWB42H	\$3,702	137	Y156XDSB41A-P	\$1,092	95
M206WPAL11E-A	\$93,435	150	M355WPQL11E-A	\$116,262	151	Y154FCWC42A	\$3,702	137	Y156XDSB42A-P	\$1,223	104

Model No.	Price	Page	Model No.	Price	Page	Model No.	Price	Page
Y156XDSC41A-P	\$1,092	95	Y754DPSC21A-P	\$765	3	Y756FTSA31A-P	\$1,886	17
Y156XDSC42A-P	\$1,223	104	Y754DPSC31A-P	\$1,065	8	Y756FTSC21A-P	\$1,436	12
Y156XPEA21A-P	\$911	26	Y754FCFB32A	\$2,622	133	Y756FTSC22A-P	\$1,751	20
Y156XPEC21A-P	\$911	26	Y754FCNA21A-P	\$812	15	Y756FTSC24A-P	\$1,751	23
Y156XSSB41A-P	\$735	89	Y754FCNC21A-P	\$812	15	Y756FTSC31A-P	\$1,886	17
Y156XSSB42A-P	\$866	101	Y754FNFB32A	\$3,019	133	Y756SDSC41A-P	\$1,768	82
Y156XSSC41A-P	\$735	89	Y754FTCA21A-P	\$827	110	Y756SDSC42A-P	\$2,031	99
Y156XSSC42A-P	\$866	101	Y754FTCC21A-P	\$827	110	Y756SDSR41A-P	\$1,768	82
Y158DPSA21A	\$1,355	34	Y754FTSA21A-P	\$864	12	Y756SDSR42A-P	\$2,031	99
Y158DPSC21A	\$1,355	34	Y754FTSA22A-P	\$1,053	20	Y756XDSB41A-P	\$2,553	95
Y158FCSA21A	\$1,830	48	Y754FTSA24A-P	\$1,053	23	Y756XDSB42A-P	\$2,816	105
Y158FCSC21A	\$1,830	48	Y754FTSA31A-P	\$1,125	17	Y756XDSC41A-P	\$2,553	95
Y752DPNA21A-P	\$692	6	Y754FTSC21A-P	\$864	12	Y756XDSC42A-P	\$2,816	105
Y752DPNC21A-P	\$692	6	Y754FTSC22A-P	\$1,053	20	Y756XPEA21A-P	\$2,239	27
Y752DPSA21A-P	\$737	3	Y754FTSC24A-P	\$1,053	23	Y756XPEC21A-P	\$2,239	27
Y752DPSA31A-P	\$1,106	8	Y754FTSC31A-P	\$1,125	17	Y756XSSB41A-P	\$2,018	89
Y752DPSC21A-P	\$737	3	Y754FTVB1PX-A	\$3,320	143	Y756XSSB42A-P	\$2,281	102
Y752DPSC31A-P	\$1,106	8	Y754FTVB3PW-A	\$4,170	141	Y756XSSC41A-P	\$2,018	89
Y752FCNA21A-P	\$847	15	Y754FTVB3PX-A	\$4,426	145	Y756XSSC42A-P	\$2,281	102
Y752FCNC21A-P	\$847	15	Y754SDSC41A-P	\$1,039	82	Y758DPKB11A	\$4,244	114
Y752FTSA21A-P	\$883	12	Y754SDSC42A-P	\$1,214	99	Y758DPKB21A-Y	\$5,306	115
Y752FTSA22A-P	\$1,077	20	Y754SDSR41A-P	\$1,039	82	Y758DPKB21A-Z	\$6,102	116
Y752FTSA24A-P	\$1,077	23	Y754SDSR42A-P	\$1,214	99	Y758DPSA21A	\$3,602	34
Y752FTSA31A-P	\$1,162	16	Y754XDSB41A-P	\$1,532	95	Y758DPSC21A	\$3,602	34
Y752FTSC21A-P	\$883	12	Y754XDSB42A-P	\$1,707	105	Y758FCSA21A	\$4,581	48
Y752FTSC22A-P	\$1,077	20	Y754XDSC41A-P	\$1,532	95	Y758FCSC21A	\$4,581	48
Y752FTSC24A-P	\$1,077	23	Y754XDSC42A-P	\$1,707	105			
Y752FTSC31A-P	\$1,162	17	Y754XPEA21A-P	\$1,611	27			
Y752FTVB1PX-A	\$3,387	143	Y754XPEC21A-P	\$1,611	27			
Y752FTVB3PW-A	\$4,254	141	Y754XSSB41A-P	\$1,206	89			
Y752FTVB3PX-A	\$4,517	145	Y754XSSB42A-P	\$1,381	102			
Y752SDSC41A-P	\$1,039	82	Y754XSSC41A-P	\$1,206	89			
Y752SDSC42A-P	\$1,214	99	Y754XSSC42A-P	\$1,381	102			
Y752SDSR41A-P	\$1,039	82	Y756DPKB11A	\$3,597	114			
Y752SDSR42A-P	\$1,214	99	Y756DPKB41A-Y	\$4,498	115			
Y752XDSB41A-P	\$1,543	95	Y756DPKB41A-Z	\$5,171	116			
Y752XDSB42A-P	\$1,718	105	Y756DPNA21A-P	\$1,157	6			
Y752XDSC41A-P	\$1,543	95	Y756DPNC21A-P	\$1,157	6			
Y752XDSC42A-P	\$1,718	105	Y756DPPD11A-P	\$1,337	108			
Y752XPEA21A-P	\$1,647	27	Y756DPSA21A-P	\$1,230	3			
Y752XPEC21A-P	\$1,647	27	Y756DPSA31A-P	\$1,699	8			
Y752XSSB41A-P	\$1,212	89	Y756DPSC21A-P	\$1,230	3			
Y752XSSB42A-P	\$1,387	102	Y756DPSC31A-P	\$1,699	8			
Y752XSSC41A-P	\$1,212	89	Y756FCNA21A-P	\$1,350	15			
Y752XSSC42A-P	\$1,387	102	Y756FCNC21A-P	\$1,350	15			
Y754DPKB11A	\$3,191	114	Y756FTCA21A-P	\$1,571	110			
Y754DPNA21A-P	\$720	6	Y756FTCC21A-P	\$1,571	110			
Y754DPNC21A-P	\$720	6	Y756FTSA21A-P	\$1,436	12			
Y754DPSA21A-P	\$765	3	Y756FTSA22A-P	\$1,751	20			
Y754DPSA31A-P	\$1,065	8	Y756FTSA24A-P	\$1,751	23			

Appendix A

Model Number Breakdown Type 1

First Field (One Digit)			Second Field - HP (Three Digits)			Third Field - Poles & Fan Type (One Digit)			Fourth Field - Construction (One Digit)		Fifth Field (One Digit)		
Symbol	Phase/Start	Design	Symbol	Output (HP)	Symbol	Pole	Fan Type	Symbol	Enclosure	Symbol	Ins.	S.F.	
A	Three-Phase Squirrel Cage	A	X ? ?	Reciprocal	1	2	Uni-CW	Single Speed	A	Open	A	1	
B		B	X 1 2	1/12	2		Bi		C	Underwater Type - Gas Filled	B	1.15	
C		C	X 2 0	1/20	3		Uni-CCW		D	Open Drip Proof Guarded	C	1.25	
D		D			4		4		Bi	E	Totally Enclosed	D	1.35
I (Note 8)	Explosion Proof Drive System (UL File E53559)		1 / 8	1/8	5	6	Uni		F	Totally Enclosed Fan Cooled	E	1.4	
			1 / 2	1/2	6		6		Bi	G	Weather Protected Type-1	U	SPL
L	Single-Phase Condensor SKD	L	3 / 4	3/4	7	8	Uni		K	Open Pipe Ventilated	F	1	
M		M			8		8		Bi	M	Splash Proof - Open Machine	G	1.15
N		N	0 0 1	1	E		10		Uni	N	Weather Protected Type-2	H	1.25
O		O	0 2 0	20	9		10		Bi	O		I	1.35
P	Single-Phase Squirrel Cage SIK	L	1 5 0	150	F	12	Uni		P	Totally Enclosed Pipe-Ventilated Machine	J	1.4	
Q		M			A		12		Bi	V		SPL	
R		N	Y ? ?	1/10 Times	G		14		Uni	Q	Underwater Type - Oil Filled	K	1
S		O	Y 1 5	11/2	B		14		Bi	S	Guarded - Open Machine	L	1.15
T	Single-Phase, Two-Condensor Start & Operate SIKD	L	Y 7 5	7 1/2	H	16	Uni		U	Underwater Type - Water-Filled	M	1.25	
U		M	018 (Note 4)	18.5 kW	C		16		Bi	V	Dripproof	N	1.35
V		N			J		16		Uni	Y	Explosion Proof	O	1.4
W		O			D		18		Bi	R	Corrosion Proof	W	SPL
E	Three-Phase Wound Rotor					Over 20	K		W	Totally Enclosed Fan Cooled - Outdoor Use	P	1.0	
F	Other Three-Phase						Uni		Z	Water-Proof Machine	Q	1.15	
G	Single-Phase, One Condensor SIKD						Bi		B	Totally Enclosed Air Over (TEAO)	R	1.25	
							Uni		H	Open Drip Proof Air Over	S	1.35	
						Multi-Speed	W	One Winding	L	Liquid Cooling	T	1.4	
							X	Two Winding	I	Water Cooling	X	SPL	
							Y	Three Winding	J				
							Z	Other					
X	Single-Phase Shaded Pole								T	Totally Enclosed with Water Air Cooled (TEWAC)			
Y	Other Single-Phase								X	Other			
Z	IEC Metric								2	Brake Motor: 6 lb. ft.			
									3	Brake Motor: 10 lb. ft.			
									4	Brake Motor: 15 lb. ft.			
									5	Brake Motor: 35 lb. ft.			
									6	Brake Motor: 50 lb. ft.			

Use the Below for Motors over 1000 HP

H	Three-Phase Wound Rotor: Times 10
J	Three-Phase Squirrel Cage: Times 10
K	Three-Phase Squirrel Cage: Times 100

Example(s):
H125 = 1,250 HP
K125 = 12,500 HP

Model Number Breakdown Type 1

Sixth Field - Mounting (One Digit)			Seventh Field - Bearings (One Digit)		Eighth Field - Voltage (One Digit)		Ninth Field (Not To Exceed Three Digits)		Tenth Field Optional Extensions (Note 6)	
Symbol	Mount Type	Shaft End	Symbol	Bearing Type	Symbol	Volts - Hz	Symbol	Features	Symbol	Features
F	Floor-Mount	Standard	1	Shielded Ball w/Plugs	A	230/460 - 60	0	Toshiba Internal Reference	A	Toshiba Internal Reference
G		Short	2	Shielded Ball w/o Plugs	B	460 - 60	1	Toshiba Internal Reference	B	Toshiba Internal Reference
A		Special	3	Open Ball Bearing w/ Plugs	C	230 - 60	2	Toshiba Internal Reference	C	Toshiba Internal Reference
R	Resilient Base	Standard	4	Roller Bearing on P.E. w/ Plugs	D	115/230 - 60	3	Toshiba Internal Reference	D	Toshiba Internal Reference
Q		Short	5	Roller Bearing on P.E. & O.P.E.	E	115 - 60	...n	Toshiba Internal Reference	E	Toshiba Internal Reference
I		Special	6	Sleeve Bearing w/Plugs	F	240/480 - 60	A	Toshiba Internal Reference	F	Toshiba Internal Reference
T	C-Face Footed	Standard	7	Sleeve Bearing w/o Plugs	G	2300 or 2400 - 60	B	Toshiba Internal Reference	G	Toshiba Internal Reference
H		Special	8	Roller Bearing on O.P.E. & Ball on P.E.	H	220/380 - 60	C	Toshiba Internal Reference	H	Toshiba Internal Reference
U		Short	9	Special Construction	I	4000 or 4160 - 60	D	Toshiba Internal Reference	I	Toshiba Internal Reference
C	C-Face Footless	Standard	0	Other	J	2300/4160 or 2300/4000 or 2400/4160 - 60	E	Toshiba Internal Reference	J	Toshiba Internal Reference
J		Special	F	Angular Contact Ball (P.E. & O.P.E.)			F	Toshiba Internal Reference	K	Toshiba Internal Reference
E	D-Flange Footed	Standard	G	Angular Contact Ball + Ball	K	6000 or 6600 - 60	G	Toshiba Internal Reference	L	Toshiba Internal Reference
K		Special	H	Angular Contact Ball + Roller	L	208/416 - 60	H	Toshiba Internal Reference	M	Toshiba Internal Reference
D	D-Flange Footless	Standard	J	Cylindrical Roller + Ball	M	13200 - 60	I	Toshiba Internal Reference	N	Toshiba Internal Reference
L		Special	K	Cylindrical Roller + Roller	N	220/440 - 60	J	Toshiba Internal Reference	O	Toshiba Internal Reference
M	Pad-Mount Footless w/o C-Face	Standard	L	Sleeve Bearing (Horiz.) - Self Lub.	O	575 - 60	K	Toshiba Internal Reference	P	Toshiba Internal Reference
P		Special	M	Sleeve Bearing for Vertical	P	Other - 60	L	Toshiba Internal Reference	Q	Toshiba Internal Reference
N	Footless Frame	Standard	N	Third Pedestal Bearing	Q	2300 - 50	M	Toshiba Internal Reference	R	Toshiba Internal Reference
V		Special	P	Fourth Pedestal Bearing (Jackshaft)	R	4000 or 4160 - 50	N	Toshiba Internal Reference	S	Toshiba Internal Reference
X	Other	---	Q	Ball + Forced Oil Lube	S	4600 - 50	O	Toshiba Internal Reference	T	Toshiba Internal Reference
S	OEM Motor	Special Shaft & Flange	R	Roller + Forced Oil Lube	T	6000 or 6600 - 50	P	Toshiba Internal Reference	U	Toshiba Internal Reference
			S	Angular Contact + Forced Oil Lube	U	230/460 - 60	Q	Toshiba Internal Reference	V	Toshiba Internal Reference
			T	Cylindrical Roller + Forced Oil Lube	V	190/380 - 50	R	Toshiba Internal Reference	W	Toshiba Internal Reference
B	OEM Motor	Standard	U	Sleeve Bearing (Horiz.) - Forced Oil Lube	W	200/400 - 50	S	Toshiba Internal Reference	X	Toshiba Internal Reference
			V	Sleeve for Vertical + Forced Oil Lube	X	220/440 - 50	T	Toshiba Internal Reference	Y	Toshiba Internal Reference
			W	Third Pedestal Bearing + Forced Oil Lube	Y	Other - 50	U	Toshiba Internal Reference	Z	Toshiba Internal Reference
			X	Fourth Pedestal Bearing + Forced Oil Lube (Jackshaft)	Z	Other	V	Toshiba Internal Reference		
							W	Toshiba Internal Reference		
							X	Toshiba Internal Reference		
							Y	Toshiba Internal Reference		
							Z	Toshiba Internal Reference		
							LX	Toshiba Internal Reference		
							LO	Toshiba Internal Reference		
							NH	Toshiba Internal Reference		
							Medium Voltage Ratings			
							C	Toshiba Internal Reference		
							D	Toshiba Internal Reference		
							E	Toshiba Internal Reference		
							F	Toshiba Internal Reference		
							M	Toshiba Internal Reference		

Model Number Breakdown Type 2

Prefix (Optional)	Horsepower or kW	Pole Speed	Enclosure / Construction	Product Family
(One Digit)	(Three Digits)	(One Digit)	(Two Digit)	(One Digit)
—	— — —	—	— —	—
C = Canadian Part # Motor	Horsepower 1/2 = 1/2 HP 3/4 = 3/4 HP Y75 = 7.5 HP 1000+ (HP) Rating First Digit = M <i>[M = 50 Multiplier]</i> Second & Third Digit = A Numerical Range from 20 to 99 <i>{Ex: M20 = 1000; 50 x 20 = 1000}</i> <i>{Ex: M25 = 1250; 50 x 25 = 1250}</i> KW³ X37 = 0.37 KW Y11 = 1.1 KW 018 = 18.5 KW	Single Speed 1 = 2-Pole (uni-CW) 2 = 2-Pole (Bi) 3 = 2-Pole (Uni-CCW) 4 = 4-Pole (bi) 5 = 4-Pole (Uni-CCW) 6 = 6-Pole (Bi) 7 = 6-Pole (Uni-CCW) 8 = 8-Pole (Bi) Multi-Speed N = 4/8-Pole 1 Wdg. P = 4/8-Pole 2 Wdg. Q = 4/6-Pole 2 Wdg.	BC = Blower Cooled DP = ODP FA = TEAO FC = TEFC (IP44) FN = TENV FT = TEFC (IP54) QD = Quarry Duty SD = Severe Duty TC = TEAAC WP = WP1 WT = WP2 XD = 841 Petro-Chem XP = TEXP XS = 840 Mill & Chem	A = Anti-Friction Brgs. B = Brake Motor C = Design C D = Single Label (Class I) E = Dual Label (Class I & II) F = VFD/ASD Motor H = Close-Coupled Pump (Steel) J = Close-Coupled Pump (Cast Iron) K = Dry Kiln M = Metric ³ (KW Only) N = Steel Frame P = OWP Q = Sleeve Bearing S = Standard (default) T = Triple Rate V = Vertical P-Base W = SS Washdown

The standard frame offering's catalog number ends after the initial eleventh digit (i.e. shaft column). All alternate frame size offerings use an alpha-numerical sequence.

EXAMPLE:

The defined standard frame assignment is N449T, the catalog number would be: 2504FCSB31A

Alternate Frames Available:

449T Frame: Catalog Number: 2504FCSB31A-F1

505UZ Frame: Catalog Number: 2504FCSB31G-F1

Model Number Breakdown Type 2

Voltage/ Frequency	Efficiency Type	Mounting	Shaft	Suffix (Optional)
(One Digit)	(One Digit)	(One Digit)	(One Digit)	(Three Digits) - All Are Required for Proper Usage
60 Hz A = 230/460 B = 460 C = 575 D = 230/460/796 G = 2300 J = 2300/4160 K = 2300/4000 L = 4000 50 Hz M = 230/400 60/50Hz R = 230/460V @ 60Hz and 190/380V @ 50 Hz T = 460 V @ 60 Hz and 380 V @50 Hz	NEMA 1 = Standard Eff. 2 = Epact Eff. 3 = Premium Eff. 4 = NEMA Prem. Eff. IEC 5 = IE1 6 = IE2 7 = IE3	NEMA 1 = Footed 2 = C-Face Footed 3 = D-Flange Footed 4 = C-Face Round 5 = D-Flange Round 6 = Round Body 7 = C-Face NEMA "BA" P = 10" P-Base (250~280 Frame) Q = 12" P-Base (250~320 Frame) R = 16" P-Base (280~440 Frame) S = 20" P-Base (440 Frame) T = 24" P-Base (440 Frame) IEC^{4,5,6} F = Footed (B3) G = FF Footed (B35) H = FT Footed (B35) J = FF Rd Body (B5) K = FT Rd Body (B5)	NEMA A = T-Shaft B = TS-Shaft C = TSS-Shaft D = TZ-Shaft E = US-Shaft F = USS-Shaft G = UZ-Shaft * H = 56C-Shaft * K = 140C-Shaft M = JM-Shaft P = JP-Shaft W = HP Solid Shaft (Normal Thrust) X = LP Solid Shaft (Medium Thrust) Y = VP Solid Shaft (High Thrust) Z = TP Hollow Shaft (High Thrust) IEC S = Std. Shaft	A = Alum. Rotor C = Cu Bar Rotor F = Alt. Frame Size P = Purchased R = Roller Bearing Y = 115°C Ambient Z = 135°C Ambient <i>See Note #2</i>

Note:
* = Shaft & Flange for Frame Series/Size Described

Notes:

- (2) HP ratings covered by multiple frame assignments will follow this format as an example.
Rating: EQPIII/4P/250 HP/460 V/TEFC Available in 449, N449, & 505UZ Frames
- (3) To Be Used Only in Conjunction with IEC Metric Frame Ratings; 18.5 KW is Special Case
- (4) FF Flange is Similar to NEMA D-Flange with Clearance through Hole Construction
- (5) FT Flange is Same as FF Flange Except Holes are Tapped
- (6) FI Flange is Similar to NEMA C-Face Flange with Blind Threaded Holes (Not Very Popular)

Appendix B

Efficiency Tables

Full-Load Efficiencies for Energy Efficient Motors (NEMA Table 12-11)

Open Drip Proof Motors								
	2-Pole		4-Pole		6-Pole		8-Pole	
HP	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1			82.5	80.0	80.0	77.0	74.0	70.0
1.5	82.5	80.0	84.0	81.5	84.0	81.5	75.5	72.0
2	84.0	81.5	84.0	81.5	85.5	82.5	85.5	82.5
3	84.0	81.5	86.5	84.0	86.5	84.0	86.5	84.0
5	85.5	82.5	87.5	85.5	87.5	85.5	87.5	85.5
7.5	87.5	85.5	88.5	86.5	88.5	86.5	88.5	86.5
10	88.5	86.5	89.5	87.5	90.2	88.5	89.5	87.5
15	89.5	87.5	91.0	89.5	90.2	88.5	89.5	87.5
20	90.2	88.5	91.0	89.5	91.0	89.5	90.2	88.5
25	91.0	89.5	91.7	90.2	91.7	90.2	90.2	88.5
30	91.0	89.5	92.4	91.0	92.4	91.0	91.0	89.5
40	91.7	90.2	93.0	91.7	93.0	91.7	91.0	89.5
50	92.4	91.0	93.0	91.7	93.0	91.7	91.7	90.2
60	93.0	91.7	93.6	92.4	93.6	92.4	92.4	91.0
75	93.0	91.7	94.1	93.0	93.6	92.4	93.6	92.4
100	93.0	91.7	94.1	93.0	94.1	93.0	93.6	92.4
125	93.6	92.4	94.5	93.6	94.1	93.0	93.6	92.4
150	93.6	92.4	95.0	94.1	94.5	93.6	93.6	92.4
200	94.5	93.6	95.0	94.1	94.5	93.6	93.6	92.4
250	94.5	93.6	95.4	94.5	95.4	94.5	94.5	93.6
300	95.0	94.1	95.4	94.5	95.4	94.5		
350	95.0	94.1	95.4	94.5	95.4	94.5		
400	95.4	94.5	95.4	94.5				
450	95.8	95.0	95.8	95.0				
500	95.8	95.0	95.8	95.0				

**Full-Load Efficiencies for Energy Efficient Motors
(NEMA Table 12-11)**

Totally Enclosed Fan Cooled Motors								
HP	2-Pole		4-Pole		6-Pole		8-Pole	
	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	75.5	72.0	82.5	80.0	80.0	77.0	74.0	70.0
1.5	82.5	80.0	84.0	81.5	85.5	82.5	77.0	74.0
2	84.0	81.5	84.0	81.5	86.5	84.0	82.5	80.0
3	85.5	82.5	87.5	85.5	87.5	85.5	84.0	81.5
5	87.5	85.5	87.5	85.5	87.5	85.5	85.5	82.5
7.5	88.5	86.5	89.5	87.5	89.5	87.5	85.5	82.5
10	89.5	87.5	89.5	87.5	89.5	87.5	88.5	86.5
15	90.2	88.5	91.0	89.5	90.2	88.5	88.5	86.5
20	90.2	88.5	91.0	89.5	90.2	88.5	89.5	87.5
25	91.0	89.5	92.4	91.0	91.7	90.2	89.5	87.5
30	91.0	89.5	92.4	91.0	91.7	90.2	91.0	89.5
40	91.7	90.2	93.0	91.7	93.0	91.7	91.0	89.5
50	92.4	91.0	93.0	91.7	93.0	91.7	91.7	90.2
60	93.0	91.7	93.6	92.4	93.6	92.4	91.7	90.2
75	93.0	91.7	94.1	93.0	93.6	92.4	93.0	91.7
100	93.6	92.4	94.5	93.6	94.1	93.0	93.0	91.7
125	94.5	93.6	94.5	93.6	94.1	93.0	93.6	92.4
150	94.5	93.6	95.0	94.1	95.0	94.1	93.6	92.4
200	95.0	94.1	95.0	94.1	95.0	94.1	94.1	93.0
250	95.4	94.5	95.0	94.1	95.0	94.1	94.5	93.6
300	95.4	94.5	95.4	94.5	95.0	94.1		
350	95.4	94.5	95.4	94.5	95.0	94.1		
400	95.4	94.5	95.4	94.5				
450	95.4	94.5	95.4	94.5				
500	95.4	94.5	95.8	95.0				

**Full-Load Efficiencies for NEMA Premium® Efficiency Electric Motors Rated 600 V or Less
(NEMA Table 12-12)**

Open Drip Proof Motors								
	2-Pole		4-Pole		6-Pole		8-Pole	
HP	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	77.0	74.0	85.5	82.5	82.5	80.0	—	—
1.5	84.0	81.5	86.5	84.0	86.5	81.5	—	—
2	85.5	82.5	86.5	84.0	87.5	81.5	—	—
3	85.5	82.5	89.5	84.0	88.5	86.5	—	—
5	86.5	84.0	89.5	84.0	89.5	87.5	—	—
7.5	88.5	86.5	91.0	89.5	90.2	88.5	—	—
10	89.5	87.5	91.7	90.2	91.7	90.2	—	—
15	90.2	88.5	93.0	91.7	91.7	90.2	—	—
20	91.0	89.5	93.0	91.7	92.4	91.0	—	—
25	91.7	90.2	93.6	92.4	93.0	91.7	—	—
30	91.7	90.2	94.1	93.0	93.6	92.4	—	—
40	92.4	91.0	94.1	93.0	94.1	93.0	—	—
50	93.0	91.7	94.5	93.6	94.1	93.0	—	—
60	93.6	92.4	95.0	94.1	94.5	93.6	—	—
75	93.6	92.4	95.0	94.1	94.5	93.6	—	—
100	93.6	92.4	95.4	94.5	95.0	94.1	—	—
125	94.1	93.0	95.4	94.5	95.0	94.1	—	—
150	94.1	93.0	95.8	95.0	95.4	94.5	—	—
200	95.0	94.1	95.8	95.0	95.4	94.5	—	—
250	95.0	94.1	95.8	95.0	95.4	94.5	—	—
300	95.4	94.5	95.8	95.0	95.4	94.5	—	—
350	95.4	94.5	95.8	95.0	95.4	94.5	—	—
400	95.8	95.0	95.8	95.0	95.8	95.0	—	—
450	95.8	95.0	96.2	95.4	96.2	95.4	—	—
500	95.8	95.0	96.2	95.4	96.2	95.4	—	—

**Full-Load Efficiencies for NEMA Premium® Efficiency Electric Motors Rated 600 V or Less
(NEMA Table 12-12)**

Totally Enclosed Fan Cooled Motors								
HP	2-Pole		4-Pole		6-Pole		8-Pole	
	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	77.0	74.0	85.5	82.5	82.5	80.0	—	—
1.5	84.0	81.5	86.5	84.0	87.5	85.5	—	—
2	85.5	82.5	86.5	84.0	88.5	86.5	—	—
3	86.5	84.0	89.5	87.5	89.5	87.5	—	—
5	88.5	86.5	89.5	87.5	89.5	87.5	—	—
7.5	89.5	87.5	91.7	90.2	91.0	89.5	—	—
10	90.2	88.5	91.7	90.2	91.0	89.5	—	—
15	91.0	89.5	92.4	91.0	91.7	90.2	—	—
20	91.0	89.5	93.0	91.7	91.7	90.2	—	—
25	91.7	90.2	93.6	92.4	93.0	91.7	—	—
30	91.7	90.2	93.6	92.4	93.0	91.7	—	—
40	92.4	91.0	94.1	93.0	94.1	93.0	—	—
50	93.0	91.7	94.5	93.6	94.1	93.0	—	—
60	93.6	92.4	95.0	94.1	94.5	93.6	—	—
75	93.6	92.4	95.4	94.5	94.5	93.6	—	—
100	94.1	93.0	95.4	94.5	95.0	94.1	—	—
125	95.0	94.1	95.4	94.5	95.0	94.1	—	—
150	95.0	94.1	95.8	95.0	95.8	95.0	—	—
200	95.4	94.5	96.2	95.4	95.8	95.0	—	—
250	95.8	95.0	96.2	95.4	95.8	95.0	—	—
300	95.8	95.0	96.2	95.4	95.8	95.0	—	—
350	95.8	95.0	96.2	95.4	95.8	95.0	—	—
400	95.8	95.0	96.2	95.4	95.8	95.0	—	—
450	95.8	95.0	96.2	95.4	95.8	95.0	—	—
500	95.8	95.0	96.2	95.4	95.8	95.0	—	—

Notes:

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