Model #: UV40C0DG4J1LFP11A1

Seial#: N2N0423582

Year: 2020 Size: 40 Tons

Technical Guide: Fraser-Johnston® Relia™ UV28 to UV50 and UH28 to UH50

Operating Weight: 5,742 lbs

L: 21' 1" W: 7' 7" H: 6' 11"



York International Corporation, 5005 York Drive, Norman, OK 73069

www.johnsoncontrols.com

2020-12-14

5759100-FTG-C-1220

Revision: C-1220



Nomenclature

Figure 2: Product nomenclature D G 4 J 1 L F P 1 1 A Select model number nomenclature 4 0 A 3 Α 1 1 Α Package Generation Efficiency Cabinet options V = Standard vertical H = Standard horizintal A = Standard cabinet
B = Hinged access panel (HAP)
C = Condensate overflow switch (COF)
D = Double wall (DBL)*
E = Stainless siteel drain pan (SSD)
F = HAP, SSD
G = HAP, COF
H = SSD, COF
J = DBL, SSD
K = DBL, SSD
L = DBL, SSD, COF
M = HAP, SSD, COF Capacity 28 = 27.5 ton 30 = 30 ton35 = 35 ton 40 = 40 ton 50 = 50 ton Heat type * Double wall will include HAF C = Cooling only Gas heat options Additional options N = Natural gas, staged S = Natural gas, staged with stainless steel heat exchanger T = Natural gas, modulating gas heat with stainless steel heat ex 2 = 2" pleated filter MERV 8 4 = 4" pleated filter MERV 13 5 - Standard filter, coil guard (CC) Electric heat options E = Electric heat 6 = 2" pleated, CG 7 = 4" pleated, CG Heat size Refrigeration 1 = Standard
3 = Low ambient head pressure control (HPC)
4 = Modulating hot gas reheat (HGR)
A = Service valves (SV)
C - HPC, SV
D = HGR, SV 3 = High heat 4 = Ultra high heat 1. Electric heat only Service options

A = No service options
B = Phase monitor (PHM)
C - Non-Power convenience outlet (NCO)
D = Circut breaker (CB)
E = Disconnect switch (DSC)
F = Powered convenience outlet (PCO)
G = PHM, CB
H = PHM, DSC
J = PHM, NCO
K = PHM, PCO
L = CD, NCO
M = CB, PCO
N = DISC, NCO
P = DSC, PCO
O = PHM, CB, NCO
R = PHM, CB, NCO
R = PHM, CB, NCO
T = PHM, CB, NCO Service options Blower B = Standard C = Medium D = High Air volume G = VFD/VAV H - VFD/VAV w/ shaft grounding ring n – VPL/VAV W /bypass
K = VFD/VAV w /bypass and shaft grounding ring
L – VFD/VAV, customer supplied VFD
P = IntelliSpeed
Q = IntelliSpeed w/ shaft grounding ring The librate with a fact grounding ring
 The librate with bypass
 The librate with bypass and shaft grounding ring
 The libra V = Constant volume V = Constant volume
W = ISP v | stage
X = ISP w/ GR 4 stage
Y = ISP w/ bypass 4 stage
Z = ISP w/ bypass/GR 4 stage A - No serisoris
B - Air proving switch
C - Dirty filter ewitch
D - Supply jair smoke detector
E - Return air smoke detector
F - CO2 sensor
G - APS, DFS
H - APS, SSD
J = APS, RSD
K - APS, CO2
L = UHS, SSU
M - DFS, RSD
M - DFS, CO2
P - SSD, RSD
Q - SSD, CO2
R - RSD, CO2 Sers Sers, DFS, SSD, T = APS, DFS, RSD U = APS, DFS, CO2 V = APS, SSD, CO2 X = APS, RSD, CO2 X = APS, RSD, CO2 Y = DFS, RSD, CO2 1 = DFS, RSD, CO2 1 = DFS, RSD, CO2 2 = DFS, RSD, CO2 1 = DFS, RSD, CO2 2 = DFS, RSD, CO2 1 = DFS, Voltage 2 = 208/230-3-60 4 = 460-3-60 5 = 575-3-60 1 = DFS, RSD, CO2 2 = SSD, RSD, CO2 3 = APS, DFS, SSD, RSD 4 = APS, DFS, SSD, CO2 5 = APS, DFS, RSD, CO2 6 = APS, SSD, RSD, CO2 7 = DFS, SSD, RSD, CO2 0 = APS, DFS, GSD, RSD, CO2 6 = 576-3-60 B = 208/230-3-60 high SCCR D = 460-3-60 high SCCR E = 575-3-60 high SCCR Outdoor air A = No economizer
B = Manual damper
C = Economizer with barometric relief
D = Economizer BAS with modulating power exhaust
E = Economizer with power exhaust
F - Economizer with power exhaust
G = Economizer BAS with modulating power exhaust
H = Economizer BAS with power exhaust
J = Economizer BAS with power exhaust
J = Economizer with barometric relief single enthaloy Controls A = Smart Equipment™ controls
C = Smart Equipment™ with COM
J = Verasys single zone
K = Verasys change over bypass
L = Verasys VAV J = Economizer with barometric relief, single enthalpy K = Economizer with modulating power exhaust, single L = Conomizer with power exhaust, single enthalpy Q = Economizer with barometric relief, dual enthalpy Coile R = Economizer with modulating power exhaust, dual enthalpy S = Economizer with power exhaust, dual enthalpy

Table 3: UV35 to UV40 vertical airflow unit physical data

Component					Models								
		UV			UV40								
Nominal tonnage		3	5	1.5			40						
ARI cooling performance	2 Stage			4 Stage		2 Stage		4 Stage					
Gross capacity @ ARI A point (Btu)	400,295			400,592		436,406		435,211					
ARI net capacity (Btu)	388,000			388,000		414,000)	414,000					
EER	10.7 ¹ / 10.	.5 ²	10.8¹/ 10.5²			11.11 / 10	.8 ²	11.1 ¹ / 10.8 ²					
IEER CV	13.0¹ / 12.	.5²		n/a		12.0 ¹ / 11	.4²	n/a					
IEER with Intellispeed	15.1¹ / 14.	.6²	1	5.5 ¹ /15.2	<u>2</u> 2	14.9¹ / 14	.6²	16.2 ¹ /16.	.0 ²				
IEER with VAV	n/a		1	5.4¹ / 15.	0 ²	n/a		15.41 / 15	2 ²				
CFM	10679			10517		15	348	15	5093				
System power (KW)	32.4			31.9		31	.40	3	8.0				
Refrigerant type	R-410A			R-410A		R-4	10A	R-4	410A				
Refrigerant charge (lb-oz)													
System 1	19-02			19-02		26	-08	26	5-00				
System 2	17-13			17-08		25-00		24-08					
ARI heating performance													
Heating model	N(S)1	N(S	5)3	Т	3	N(S)1	N(S)3	-	T3				
Heating type	Stg. Low	Stg.			High	Stg. Low	Stg. Hig		l. High				
1st stage heat input (K Btu)	320	40		14		320	400		140				
2nd stage heat input (K Btu)	400	80		80		400	800		300				
1st stage heat output (K Btu)	259	32		11		259	324		113				
2nd stage heat output (K Btu)	324	64		64		324	648		548				
Steady state efficiency (%)	81	8		8		81	81		81				
No. of burners	9	9/		9,		9	9/9		9/9				
No. of stages/turn down	2/1.25	12	2/5		2/1.25	2/2		5.71					
3				-60 35-		15-25	35-50		5-50				
Temperature rise range (°F)													
Gas limit setting (°F) (top/bottom)	140	140/		170,		170	140/14		0/170				
Gas piping connection (in.)	3/4	1-1	1/4	1-1	/14	3/4	1-1/4	1-	1/14				
Dimensions (in.)													
Length		180					232						
Width		90					90						
Height		70					77						
Operating weight (lb)		4191					5742						
Compressors	2 Stage			4 Stage		2 Stage		4 Stage					
Type	Scroll		Scroll			Scroll		Scroll					
Quantity	2		3			2		3					
Unit capacity steps (%)	50 / 100)	25 /	50/75/	100	50 / 100)	25 / 50/ 75	/ 100				
Condenser coil data													
Face area (sq. ft)		61.6					112.4						
Туре		MCHX					MCHX						
Thickness (mm)		20					20						
FPI		23					23						
Circuitry type		2-Pass					2-Pass						
Evaporator coil data	•												
Face area (sq. ft)		34.4					38.9						
Rows		4					4						
Fins per inch		15					15						
Tube diameter		3/8					3/8						
Circuitry type	Ir	ntertwine	ed			Ir	ntertwined						
Refrigerant control	1	TXV					TXV						
Condenser fan data					l								
Quantity		4					4						
Fan diameter (in.)		30					30						
Type		Prop					Prop						
Drive type		Direct					Direct						
Number of motors		4					4						
Motor HP each		1											
							1140						
RPM Nominal total CFM		1140					1140						
and a control of the	1	29800			i		34109						
Belt drive evap fan data													

Table 3: UV35 to UV40 vertical airflow unit physical data

C				Mo	dels							
Component		UV35				UV40						
Nominal tonnage		35			40							
Fan size (in.)		18x18				20x18						
Туре	С	entrifugal			C	entrifugal						
Static range	Std	Med	Hi	gh	Std	Med	High					
Motor sheave	1VP65	2VP60	2VI	P60	1VP60	1VP75	2VP60					
Blower sheave	1B5V124	2B5V94	2B5	V86	1B5V124	1B5V136	2B5V94					
Belt	BX82	BX75	5VX	(780	5VX830	5VX880	5VX780					
Motor HP each	7.5	10.0	15	5.0	10.0	15.0	20.0					
Motor RPM	1800	1800	18	800	1800	1800	1800					
Frame size	213T	215T	25	4T	215T	254T	256T					
Filters	·	•	•				•					
	9 - (2	20 x 20 x 2) ^{3, 4}			$4 - (20 \times 20 \times 2)^{3.4}$							
Overtity size	9 - (9 - $(20 \times 20 \times 4)^5$ 4 - $(20 \times 20 \times 4)^5$										
Quantity - size	3 - (20 x 25 x 2) ^{3, 4}			8 - (2	20 x 25 x 2) ^{3, 4}						
	3 -	(20 x 25 x 4) ⁵			8 - (20 × 25 × 4) ⁵							
ID Blower power (kW)	30891 / 36	03 ² 3	0461 / 369	90²	57781 / 656	56²	5470¹ / 6217²					

- Cooling only unit or cooling unit with electric heat Cooling unit with gas heat 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
- Optional 2 in. pleated, MERV 8 Optional 4 in. pleated, MERV 13

40 ton cooling capacity performance

Table 15: UH40 and UV40 cooling capacity performance

1	Air o	n									1	Гетре	ratur	e of ai	r on co	nden	ser co	il								
Part			Return dry bulb temp (°F))				Return dry bulb temp (°F)										
The first The first The first St St St St St St St	COII		9	0	8	5	8	0	7	5	7	0	6	5	90 85 80					10	7	' 5	7	0	6	55
The color The	CFM				_									_	_		-	_	_							_
14 15 15 15 15 15 15 15			75 (°F)																							
1. 1. 1. 1. 1. 1. 1. 1.		77	550.3	276.7	547 1	232.0	545.4		T -	_	_	Γ.	Ι.	Ι.	524.0	267.0	520.8	222 6	517 5		T -	Ι.	Γ.	Ι.	Ι.	Τ.
									496.1	189.1	-	-	-	-			_	_	-		471.3	179.7	-	-	-	_
Fig.	10000										450.6	190.7	-	-		-	-	-	_		_	-	427.7	181.0	-	<u> </u>
170 170		62	_										407.9	191.2	419.8	384.5			_			_	_		386.9	181.3
1400 1400		57	436.9	402.1	412.7	382.7	389.2	363.6	378.3	329.5	375.7	284.0	372.6	237.7	419.0	385.5	395.2	366.4	372.0	347.3	358.0	317.9	355.7	272.4	352.6	226.7
1		77	570.8	301.9	567.5	248.5	565.5	195.2	-	-	-	-	-	-	543.2	291.8	539.8	238.9	536.3	185.6	-	-	-	-	-	-
Fig.		72	525.5	359.1	522.4	305.7	519.2	251.9	515.6	197.5	-	-	-	-	498.8	347.6	496.3	295.0	492.9	241.6	489.4	187.9	-	-	-	-
14 15 15 15 15 15 15 15	12000	67	482.5	415.1	479.8	362.5	476.7	308.8	473.1	254.1	469.6	199.6	-	-	458.2	402.1	455.4	350.6	452.0	297.4	448.7	243.6	445.0	189.5	-	-
1400 1400		62	470.2	430.9	443.9	409.8	436.0	364.3	432.9	310.2	429.4	255.5	425.8	200.4	450.3	412.6	424.8	391.9	413.2	352.0	410.4	298.7	407.1	244.6	403.5	190.3
1400 1400		57	469.4	431.8	443.1	410.9	417.1	389.7	395.6	363.8	391.9	310.5	389.1	255.9	449.6	413.7	424.1	392.8	398.6	372.2	375.6	349.1	371.0	298.6	367.9	244.5
1400		77	585.5	325.5	582.5	264.0	580.5	202.2	-	-	-	-	-	-	556.7	315.1	553.5	254.1	549.7	192.5	-	-	-	-	-	-
1		72	540.2	391.4	537.4	329.8	534.1	267.7	530.3	204.9	-	-	-	-	513.2	379.5	510.2	318.8	506.9	257.2	502.9	195.1	-	-	-	-
1	14000	67	500.6	450.1	493.9	394.9	490.6	332.8	487.5	270.4	483.6	207.1	-	-	476.4	434.3	468.1	382.2	464.9	321.2	461.7	259.2	458.0	196.9	-	-
14 15 15 15 15 15 15 15		62	496.7	455.1	468.7	432.8	449.4	397.3	446.4	335.2	443.2	272.0	439.3	208.5	475.6	435.7	448.1	413.5	426.3	383.7	422.9	323.1	419.6	260.7	415.8	198.0
1400 1400		57	495.8	456.3	467.9	433.9	440.3	411.2	412.8	388.6	405.0	335.8	401.7	272.5	474.8	436.5	447.2	414.5	420.5	392.4	393.9	370.6	383.0	323.3	379.7	260.8
1400 14		77	596.9	348.2	593.8	278.6	591.6	208.8	-	-	-	-	-	-	567.3	337.5	564.1	268.3	560.3	198.8	-	-	-	-	-	-
14 15 15 15 15 15 15 15		72	551.6	422.3	548.6	352.8	545.3	282.5	541.1	211.5	-	-	-	-	523.2	410.0	520.4	341.3	517.2	271.8	512.9	201.4	-	-	-	-
140 140	16000	67	519.6	473.9	504.4	426.7	501.6	356.6	498.3	285.5	494.3	214.0	-	-	496.9	453.1	478.1	413.3	475.1	344.4	472.0	274.3	467.7	203.6	-	<u> </u>
1400 1400									-				449.8				-	-							-	204.7
1400 1400									430.9	405.2	414.7	360.1	412.0	288.3					_		410.9	386.1	392.0	347.4	389.4	276.4
1									-		-	-	-	-					_		-	-	-	-	-	<u> </u>
1									-		-	-		-			-	-					-	-		_
Parish P	18000	_							_					-					_			_	_		-	_
1400 1400													_			_	-	-	_		_	_			-	-
14 15 15 15 15 15 15 15		5/	536.4	493.7	506.0	469.0	4/6.1			419.5	423.1	382.8	419.7	303.0	513.2	4/1.9	483.5	447.5	454.0			399.3	400.5	308.5	396.9	290.9
Fig. 10 Fig.																			(°F)							
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Heal Conting Heal									-		-		-	-			-	-					-	-	-	ļ <u>-</u>
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1400 67 434.2 386.9 429.4 388.2 426.1 285.4 282.8 428.1 179.0 408.0 371.1 408.0 371.2 325.2 390.0 323.4 325.0 320.0 320.0 320.0 320.0 388.7 388.7 389.0 388.7 389.0<			_	_	_						-			_	_	_			_		421.0	1071	_	-	-	<u> </u>
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57 428.5 394.0 403.5 373.8 373.9 353.7 354.9 349.3 349.3 346.0 232.9 403.5 353.6 323.0 32	12000								-				270 5	170.4			-	-								160 3
1400 57 525.5 303.8 522.2 243.3 518.6 182.5 <t> <!--</td--><td></td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td>_</td><td>_</td><td>_</td><td></td><td></td><td></td><td>_</td><td></td><td>_</td><td>_</td><td>_</td><td>_</td><td></td><td>_</td></t>		_	_						_				_	_	_				_		_	_	_	_		_
1400 75 484.0 367.0 481.1 377.0 487									334.9			_	540.1	232.3	_	_	-		_		-	514.0	525.0	2/3.3		_
14000									473.8	184 7	_		-				-	-			443.1	173 9		-	H	
1	14000										430.8	186 1	 	 				_	_			_	402.4	175.0	 	 -
57 451.9 452.3 393.8 392.9 373.9 352.9 353.9 352.9 353.9 352.9 353.9 352.9 353.9 352.9 353.9 35	14000		_									_	_	186 9	_	_			_	_	_	_		_		175 3
77 535.1 325.7 532.1 257.4 528.0 188.5 - </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td></td> <td>_</td>													_				_	_	_		_	_	_			_
72 493.1 396.8 490.2 293.3 487.0 260.2 487.0 190.9 - - - - - 41.0 450.8 350.3 41.0 420.2 420.3 490.9 - - - - - 450.0 388.0 450.8 390.3 447.2 31.0 420.0 420.0 420.0 420.0 420.0 410.0 420.0 410.0 410.0 410.0 410.0 420.0 420.0 420.0 410.0 410.0 410.0 410.0 410.0 410.0 410.0 410.0 410.0 410.0 410.0 420.0 420.0 480.0 <th< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>_</td><td>-</td><td>-</td><td>_</td><td>_</td><td></td><td></td><td>_</td><td>_</td><td>_</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>			-								-	_	-	-	_	_			_	_	_	-	-	-	-	-
1600			-							190.9	-	_	-	-								179.8	-	-	-	<u> </u>
62 472.5 432.5 444.5 490.7 410.8 332.2 493.2 49	16000										439.9	192.6	-	-	_	_	_	_	_	_	_	_		181.0	-	-
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77 542.4 347.0 539.7 271.0 535.4 194.1 - </td <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td>_</td>											_	_	_		_	_	_	_	_	_	_	_	_	_	_	_
18000 72 500.7 425.7 497.9 350.6 494.5 273.8 490.4 196.7 - - - 469.0 409.7 465.8 337.2 462.4 261.8 458.1 185.5 - - - - 1800 470.0 445.9 461.3 421.6 454.7 352.0 497.2 498.4 - - 463.4 421.6 435.2 399.3 421.6 263.4 417.3 186.8 - - 489.0 489.2 447.2 460.0 423.5 406.0 435.2 399.5 406.6 377.0 385.8 340.7 384.9 265.4 378.7 187.									-								_	_	_			_			-	† -
18000 67 490.0 445.9 461.3 421.6 454.7 353.3 451.7 276.4 447.2 198.4 463.4 421.6 435.2 398.4 424.2 339.3 421.6 263.4 417.3 186.8 62 489.2 447.2 460.0 423.8 431.4 400.1 413.3 355.4 410.6 277.5 406.3 199.4 462.6 422.7 434.5 399.5 406.6 377.0 385.8 340.7 384.9 265.4 378.7 187.			-						490.4	196.7	-	-	-	-	_		_	_	_	_	_	185.5	-	-	-	-
62 489.2 447.2 460.0 423.8 431.4 400.1 413.3 355.4 410.6 277.5 406.3 199.4 462.6 422.7 434.5 399.5 406.6 377.0 385.8 340.7 384.9 265.4 378.7 187.	18000		-								447.2	198.4	-	 -	_	_	_	_	_	_	_	_		186.8	-	† -
													406.3	199.4			_	_	_		_	_	_			187.4
													_	_	461.8	423.9	433.8	401.0	411.4	382.9	378.9	355.2	352.7	332.7	346.7	_

Table 16: UH40 and UV40 cooling capacity performance continued

Air	n									7	empe	rature	of air	r on co	nden	ser coi	il										
evapor coi			Return dry bulb temp (°F)														Return dry bulb temp (°F)										
	WB	90		85 8		8	30 75		5	7	0	6	5	90		85		8	0	7	5	70		6	5		
CFM	(°F)	TC	SC	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc	TC	sc		
		115 (°F)																	125	(°F)							
	77	433.7	234.3	430.7	191.3	427.4	147.9	-	-	-	-	-	-	400.3	234.1	397.4	187.9	394.1	142.1	-	-	-	-	-	-		
	72	401.8	280.7	394.7	235.9	391.5	192.6	388.2	149.0	-	-	-	-	366.8	279.7	363.9	232.9	360.9	187.0	357.7	141.3	-	-	-	-		
10000	67	363.6	321.0	360.4	279.7	357.5	236.6	354.4	193.2	351.1	149.5	-	-	336.6	319.7	331.3	277.2	329.2	230.8	326.4	185.2	323.1	140.0	-	-		
	62	357.7	327.5	336.6	310.3	324.5	279.9	322.5	236.5	319.5	192.9	316.1	149.0	335.2	320.8	314.3	300.3	298.3	273.5	296.4	227.7	293.8	182.7	290.5	137.9		
	57	357.6	328.6	336.0	311.0	314.7	293.5	294.3	275.7	290.2	235.3	287.5	191.7	334.6	320.9	313.6	300.5	293.3	280.6	273.3	261.1	265.9	224.3	263.6	179.2		
	77	447.8	257.6	444.7	206.5	441.5	155.0	-	-	-	-	-	-	412.4	258.3	409.5	203.2	405.8	148.8	-	-	-	-	-	-		
	72	410.7	310.3	407.9	259.5	404.7	207.9	401.1	156.0	-	-	-	-	377.9	311.6	374.9	256.6	372.4	202.2	369.0	148.2	-	-	-	-		
12000	67	383.7	349.5	372.7	312.4			367.3			156.7	-	-				309.1			337.4			146.8	-	-		
	62	382.9	350.5	359.6							208.8		156.7		342.3		320.5			307.0			197.9	301.1	145.1		
	57				332.2			313.7	294.3	301.1	259.5	298.6	207.7	357.4	342.5	334.8	320.6	312.8	299.0	291.2	277.8	275.4	247.7	273.4	194.4		
	77				220.6			-	-	-	-	-	-					414.6		-	-	-	-	-	-		
	72	420.2		417.7			222.4			-	-	-	-		342.8		279.7			377.6		-	-	-	-		
14000	67				340.7	_						-	-	_		_		348.5					_	-	-		
	62	403.4		378.5			328.3			340.9			163.4					329.0									
	57	402.7		377.9		353.5			309.2	315.8	285.1	307.4	222.6		360.0		336.5			305.6	291.4	284.8	267.9	281.0	208.8		
	77				234.2				-	-	-	-	-					421.3		-	-	-	-	-	-		
	72	428.1	369.1	425.2				418.3		-	-	-	-					387.8				-	-	-	-		
16000	67	420.8	382.8	394.9				384.3		380.5	169.3	-	-		373.5		349.8			352.6		347.9		-	-		
	62				362.3	_												342.2					_				
	57	419.5	385.1	393.6				342.9	321.3	318.6	300.6	314.4	_	391.0				341.7		317.9	302.6	294.7	279.7	287.7	222.5		
	77 72	471.8	338.5 410.9	468.6	257.9 337.6			424.2	- 177.9	-	-	-	-	433.3	323.9		244.7			200 7	165.6	-	<u> </u>	-	-		
18000	67		410.9		388.1	_			255.9	386.1	- 177.0	-	-					393.4 360.2				353.6	1642	-	<u> </u>		
10000	62		414.2	407.9		380.7						250.4	175 4					353.4						320.2	162.4		
	57																	353.4						292.7			
	5/	433./	413.2	400./	300.8	J00.1	1202.6	334.3	25/.5	229.0	312.4	320.3	Z5U. I	405.9	200.4	3/8.3	0.10	222.0	330.2	320.3	1311.9	304.1	200.5	292.7	250.1		

Table 49: 27.5 ton to 50 ton constant volume standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each	OD Fan motors each	Supply blower motor	Supply blower motor	120 V trans	Electr	ic heat (option	MCA A	Max f/b	disco	in nnect ing	MCA with 120V	Max f/b size with	disco	in nnect J/120V ins
		RLA	LRA	RLA	LRA	FLA	LRA	FLA	LRA	FLA	kW	Stages	Α		size A	FLA	LRA	trans A	120V trans A	FLA	LRA
											None	-	-	143.6	175	151	946	158.0	200	168	960
	208-3-60	48.1	351	48.1	351	4	24.8	19.4	144.4	14.4	27.0	2	74.9	143.6	175	151	946	158.0	200	168	960
											40.6	2	112.7	165.1	175	152	946	183.1	200	168	960
											None	-	-	144.4	175	152	946	157.4	200	167	959
	230-3-60	48.1	351	48.1	351	4.2	24.8	19.4	144.4	13	36.0	2	86.6	144.4	175	152	946	157.4	200	167	959
											54.0	2	129.9	154.2	175	172	946	170.4	200	187	959
											None	-	-	73.7	90	78	517	80.2	100	85	524
35											36.0	2	43.3	73.7	90	78	517	80.2	100	85	524
	460-3-60	24.7	197	24.7	197	2.1	12.7	9.7	72.2	6.5	54.0	2	65.0	77.1	90	86	517	85.3	100	93	524
											72.0	2	86.6	98.7	110	111	517	106.9	110	118	524
											90.0	2	108.3	120.4	150	136	517	128.6	150	143	524
											None	2	-	64.8	80	68	364	70.0	90	74	370
	575-3-60	22.4	135	22.4	135	1.6	8.8	8.01	59.1	5.2	54.0 72.0	2	52.0 69.3	64.8 79.3	80 90	69 89	364 364	70.0 85.8	90 90	75 95	370 370
											90.0	2	86.6	96.6	110	109	364	103.1	110	115	370
											None	_	- 00.0	149.2	175	158	975	163.6	200	174	989
	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	14.4	40.6	2	112.7	172.1	175	158	975	190.1	200	175	989
											None	-	-	150.0	175	159	975	163.0	200	174	988
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	13	54.0	2	129.9	161.2	175	178	975	177.4	200	193	988
	460-3-60										None	-	-	76.5	100	81	532	83.0	100	88	538
					l						54.0	2	65.0	80.6	100	89	532	88.8	100	97	538
		24.7	197	24.7	197	2.1	12.7	12.5	86.72	6.5	72.0	2	86.6	102.2	110	114	532	110.4	125	121	538
40											90.0	2	108.3	123.9	150	139	532	132.1	150	146	538
											108.0	2	129.9	145.5	175	164	532	153.7	175	171	538
											None	-	-	66.8	80	70	377	72.0	90	76	382
											54.0	2	52.0	66.8	80	71	377	72.0	90	77	382
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	5.2	72.0	2	69.3	81.8	90	91	377	88.3	90	97	382
											90.0	2	86.6	99.1	110	111	377	105.6	110	117	382
											108.0	2	103.9	116.4	150	131	377	122.9	150	137	382
	208-3-60	67.3	485	67.3	485	7.2	40.7	25	173.44	14.4	None	-	-	205.2	250	217	1306	219.6	275	233	1321
	230 3 30	37.3	,,,,,	37.3	105	/	10.7		., 3	1-11-1	40.6	2	112.7	205.2	250	217	1306	219.6	275	233	1321
	230-3-60	67.3	485	67.3	485	6.8	40.7	25	173.44	13	None	-	-	203.6	250	215	1306	216.6	275	230	1319
								-		-	54.0	2	129.9	203.6	250	215	1306	216.6	275	230	1319
											None	-	-	99.7	125	105	598	106.2	125	113	605
											54.0	2	65.0	99.7	125	105	598	106.2	125	113	605
50	460-3-60	32.7	215	32.7	215	3.4	20.4	12.5	86.72	6.5	72.0	2	86.6	102.2	125	114	598	110.4	125	121	605
											90.0	2	108.3	123.9	150	139	598	132.1	150	146	605
											108.0	2	129.9	145.5	175	164	598	153.7	175	171	605
											None	-	-	80.0	100	84	487	85.2	110	90	493
	F7F 2 CC	26.2	175	26.2	175	,	16.4	10	_,	F 2	54.0	2	52.0	80.0	100	84	487	85.2	110	90	493
	575-3-60	26.3	175	26.3	175	2.7	16.4	10	71.77	5.2	72.0	2	69.3	81.8	100	91	487	88.3	110	97	493
											90.0	2	86.6	99.1	110	111	487	105.6	110	117	493
											108.0	2	103.9	116.4	150	131	487	122.9	150	137	493

Figure 25: 40 ton to 50 ton physical dimensions

