

FXV

Closed Circuit Cooling Towers



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Product Detail

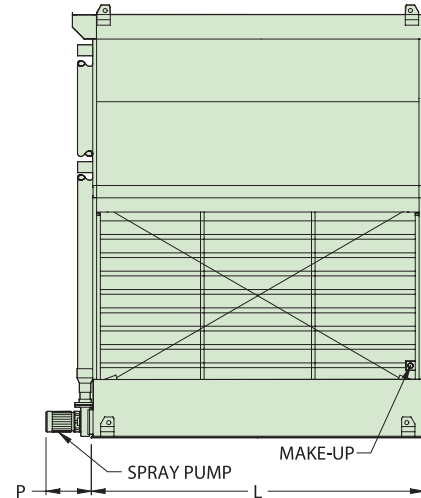
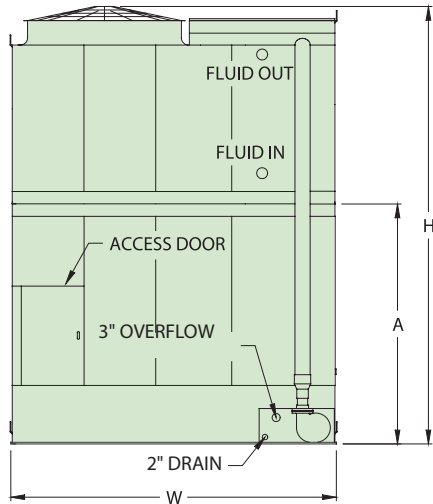
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Engineering Data

Do not use for construction. Refer to factory certified dimensions. This handbook includes data current at the time of publication, which should be reconfirmed at the time of purchase. Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.

Single Air Inlet Models

FXV



Model Number	Nominal Tons ⁵	Motor HP		Weights (lbs)			Dimensions					Connection Sizes ^{2,3}		Spray Pump (GPM)	Internal Coil Volume (GAL)
		Fan	Pump	Operating ¹	Shipping	Heaviest Section	L	W	H	A	P	Make-Up Water	Coil		
FXV-421	33	3 to 10	1.5	7,730	5,050	2,900	6' 1-1/4"	8' 5-1/4"	13' 2-3/4"	6' 3/4"	1' 3-3/4"	1/2"	4"	190	46
FXV-422	46			8,190	5,370	3,220									60
FXV-423	52			8,680	5,710	3,560									74
FXV-424	59			9,160	6,050	3,900									88
FXV-431	57	5 to 15	2	11,230	7,160	4,240	9' 1-1/4"	8' 5-1/4"	13' 2-3/4"	6' 3/4"	1' 4-1/4"	1/2"	4"	290	69
FXV-432	73			11,930	7,650	4,730									90
FXV-433	81			12,630	8,140	5,220									112
FXV-434	95			13,380	8,680	5,760									133
FXV-441	92	7.5 to 20	3	14,200	8,760	5,120	12' 1-1/4"	8' 5-1/4"	13' 2-3/4"	6' 3/4"	1' 8-1/4"	1/2"	4"	500	91
FXV-442	111			15,150	9,410	5,770									120
FXV-443	122			16,080	10,060	6,420									149
FXV-444	140			17,070	10,770	7,130									178
FXV-Q440	88			15,150	9,410	5,770									124
FXV-Q441	125	17,070	10,770	7,130	182										
FXV-641	144	10 to 30	5	18,560	10,890	6,730	12' 1-1/4"	11' 10"	15' 10-3/4"	8' 8-3/4"	1' 8-3/4"	1"	4"	715	146
FXV-642	175			20,050	11,930	7,770									192
FXV-643	193			21,550	12,980	8,820									238
FXV-644	215			23,050	14,040	9,880									284
FXV-Q640	134			20,050	11,930	7,770									194
FXV-Q641	186			23,050	14,040	9,880									286
FXV-661	231	15 to 45	7.5	27,070	15,510	9,690	18' 1-1/4"	11' 10"	16' 4-1/4"	9' 2-1/4"	2' 3/8"	1"	4"	900	218
FXV-662	267			29,290	17,070	11,250									288
FXV-663	295			31,570	18,670	12,850									358
FXV-664	331			33,810	20,280	14,460									429
FXV-Q660	215			29,290	17,070	11,250									299
FXV-Q661	299			33,810	20,280	14,460									439

Notes:

- Operating weight is for the tower with the water level in the cold water basin at the overflow.
- The actual size of the inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
- Inlet and outlet connections are beveled for welding.
- Standard make-up, drain and overflow connections are MPT.
- Nominal tons of cooling represents 3 GPM of water from 95°F to 85°F at a 78°F entering wet-bulb temperature.

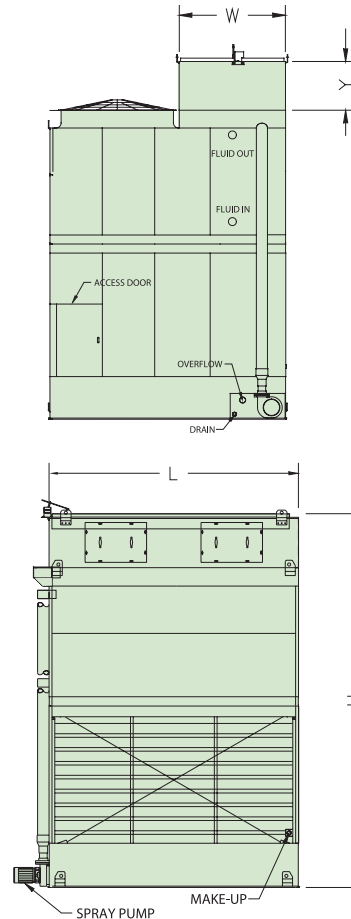


Baltimore Aircoil Company

Engineering Data: Cold Weather Operation

FXV Heat Loss Data (BTUH)

Model Number	Standard Unit	Unit w/ PCD Hood	Unit w/ PCD Hood & Insulation
FXV-421	68,400	43,500	30,100
FXV-422	87,100	47,100	32,300
FXV-423	105,200	50,500	34,700
FXV-424	122,400	54,000	37,000
FXV-431	102,800	60,800	43,200
FXV-432	131,200	65,600	46,500
FXV-433	158,000	70,600	49,600
FXV-434	183,000	74,900	52,800
FXV-441	135,700	76,700	55,200
FXV-442	172,900	82,100	59,100
FXV-443	208,000	87,600	62,900
FXV-444	241,000	92,900	66,500
FXV-Q440	172,900	82,100	59,100
FXV-Q441	241,000	92,900	66,500
FXV-641	203,400	103,800	75,300
FXV-642	259,800	109,700	79,300
FXV-643	313,100	115,600	83,200
FXV-644	362,900	121,300	86,900
FXV-Q640	259,800	109,700	79,300
FXV-Q641	362,900	121,300	86,900
FXV-661	304,500	158,200	118,000
FXV-662	387,500	165,500	123,000
FXV-663	404,700	172,400	127,600
FXV-664	536,900	179,100	132,200
FXV-Q660	387,500	165,500	123,000
FXV-Q661	536,900	179,100	132,200
FXV-288-31x	760,200	280,700	202,000
FXV-288-41x	881,100	294,500	211,000
FXV-288-10x	881,100	294,500	211,000
FXV-364-31x	894,000	330,100	237,600
FXV-364-41x	1,036,200	346,400	248,100
FXV-364-10x	1,036,200	346,400	248,100



Notes:

- Heat loss based on 50°F entering coil water and -10°F ambient with 45 MPH wind (fans and pump off).
- One inch thick PVC nitrite rubber blend thermal insulation on both the PCD hood and the casing panels surrounding the coil.

Dimensional Data of Positive Closure Damper Hood

Model Number	Hood Ship. Weight (lbs.)	Operating Weight Add (lbs.)	Length (L)	Width (W)	Hood Height (Y)	Unit Height (H)
FXV-42x	390	320	5' 11-7/8"	3' 5-1/4"	2' 5-1/8"	15' 1-3/4"
FXV-43x	540	430	8' 11-7/8"	3' 5-1/4"	2' 5-1/8"	15' 1-3/4"
FXV-44x	720	570	11' 11-7/8"	3' 5-1/4"	2' 5-1/8"	15' 1-3/4"
FXV-64x	1,160	920	11' 11-7/8"	5' 3-1/2"	2' 5-1/8"	17' 9-3/4"
FXV-66x	1,650	1,300	17' 11-7/8"	5' 3-1/2"	2' 5-1/8"	17' 9-3/4"
FXV-288-xxx	1,300	1,040	11' 11"	6' 3-3/8"	2' 5-1/8"	20' 2-5/8"
FXV-364-xxx	1,500	1,200	13' 11-1/8"	6' 3-3/8"	2' 5-1/8"	20' 2-5/8"

Notes:

- Hood shipping weight includes shipping skid weight.

