

FXV3

Performance Data

Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1224-20D-25	381	25
FXV3-1224-20D-30	399	30
FXV3-1224-20D-40	429	40
FXV3-1224-20D-50	452	50
FXV3-1224-20D-60	472	60
FXV3-1224-20D-75	488	75
FXV3-1224-24D-30	421	30
FXV3-1224-24D-40	455	40
FXV3-1224-24D-50	482	50
FXV3-1224-24D-60	504	60
FXV3-1224-24D-75	537	75
FXV3-1224-24T-25	376	25
FXV3-1224-24T-30	395	30
FXV3-1224-24T-40	426	40
FXV3-1224-24T-50	450	50
FXV3-1224-24T-60	471	60
FXV3-1224-24T-75	510	75
FXV3-1224-24Q-25	356	25
FXV3-1224-24Q-30	373	30
FXV3-1224-24Q-40	402	40
FXV3-1224-24Q-50	425	50
FXV3-1224-24Q-60	444	60
FXV3-1224-24Q-75	471	75
FXV3-1224-28D-30	437	30
FXV3-1224-28D-40	477	40
FXV3-1224-28D-50	508	50
FXV3-1224-28D-60	533	60
FXV3-1224-28D-75	565	75
FXV3-1224-30T-30	428	30
FXV3-1224-30T-40	465	40
FXV3-1224-30T-50	497	50
FXV3-1224-30T-60	521	60
FXV3-1224-30T-75	553	75
FXV3-1224-32D-40	502	40
FXV3-1224-32D-50	534	50
FXV3-1224-32D-60	562	60
FXV3-1224-32D-75	598	75

Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1224-32Q-30	420	30
FXV3-1224-32Q-40	458	40
FXV3-1224-32Q-50	489	50
FXV3-1224-32Q-60	513	60
FXV3-1224-32Q-75	545	75
FXV3-1224-36D-40	520	40
FXV3-1224-36D-50	557	50
FXV3-1224-36D-60	586	60
FXV3-1224-36D-75	625	75
FXV3-1224-36T-40	500	40
FXV3-1224-36T-50	535	50
FXV3-1224-36T-60	562	60
FXV3-1224-36T-75	598	75
FXV3-1224-36Q-40	480	40
FXV3-1224-36Q-50	513	50
FXV3-1224-36Q-60	539	60
FXV3-1224-36Q-75	574	75
FXV3-1426-20D-40	502	40
FXV3-1426-20D-50	528	50
FXV3-1426-20D-60	550	60
FXV3-1426-20D-75	577	75
FXV3-1426-20D-100	600	100
FXV3-1426-24D-40	537	40
FXV3-1426-24D-50	567	50
FXV3-1426-24D-60	591	60
FXV3-1426-24D-75	622	75
FXV3-1426-24D-100	653	100
FXV3-1426-24T-40	499	40
FXV3-1426-24T-50	526	50
FXV3-1426-24T-60	549	60
FXV3-1426-24T-75	578	75
FXV3-1426-24T-100	612	100
FXV3-1426-24Q-40	476	40
FXV3-1426-24Q-50	502	50
FXV3-1426-24Q-60	523	60
FXV3-1426-24Q-75	550	75
FXV3-1426-24Q-100	583	100

Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1426-28D-40	557	40
FXV3-1426-28D-50	591	50
FXV3-1426-28D-60	618	60
FXV3-1426-28D-75	651	75
FXV3-1426-28D-100	694	100
FXV3-1426-30T-40	549	40
FXV3-1426-30T-50	581	50
FXV3-1426-30T-60	608	60
FXV3-1426-30T-75	641	75
FXV3-1426-30T-100	684	100
FXV3-1426-32D-50	621	50
FXV3-1426-32D-60	651	60
FXV3-1426-32D-75	685	75
FXV3-1426-32D-100	732	100
FXV3-1426-32Q-40	543	40
FXV3-1426-32Q-50	575	50
FXV3-1426-32Q-60	602	60
FXV3-1426-32Q-75	635	75
FXV3-1426-32Q-100	679	100
FXV3-1426-36D-50	648	50
FXV3-1426-36D-60	679	60
FXV3-1426-36D-75	716	75
FXV3-1426-36D-100	765	100
FXV3-1426-36T-50	625	50
FXV3-1426-36T-60	654	60
FXV3-1426-36T-75	690	75
FXV3-1426-36T-100	738	100
FXV3-1426-36Q-50	604	50
FXV3-1426-36Q-60	633	60
FXV3-1426-36Q-75	655	75
FXV3-1426-36Q-100	713	100

XE FXV3 Performance Data



Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1224-20D-10	278	10
FXV3-1224-20D-15	314	15
FXV3-1224-20D-20	359	20
FXV3-1224-24D-10	293	10
FXV3-1224-24D-15	338	15
FXV3-1224-24D-20	376	20
FXV3-1224-24D-25	401	25
FXV3-1224-24T-10	281	10
FXV3-1224-24T-15	320	15
FXV3-1224-24T-20	354	20
FXV3-1224-24Q-10	268	10
FXV3-1224-24Q-15	306	15
FXV3-1224-24Q-20	335	20
FXV3-1224-28D-10	301	10
FXV3-1224-28D-15	348	15
FXV3-1224-28D-20	385	20
FXV3-1224-28D-25	414	25
FXV3-1224-30T-10	296	10
FXV3-1224-30T-15	342	15
FXV3-1224-30T-20	377	20
FXV3-1224-30T-25	404	25
FXV3-1224-32D-10	312	10
FXV3-1224-32D-15	362	15
FXV3-1224-32D-20	401	20
FXV3-1224-32D-25	431	25
FXV3-1224-32D-30	459	30
FXV3-1224-32Q-10	292	10
FXV3-1224-32Q-15	337	15
FXV3-1224-32Q-20	370	20
FXV3-1224-32Q-25	397	25

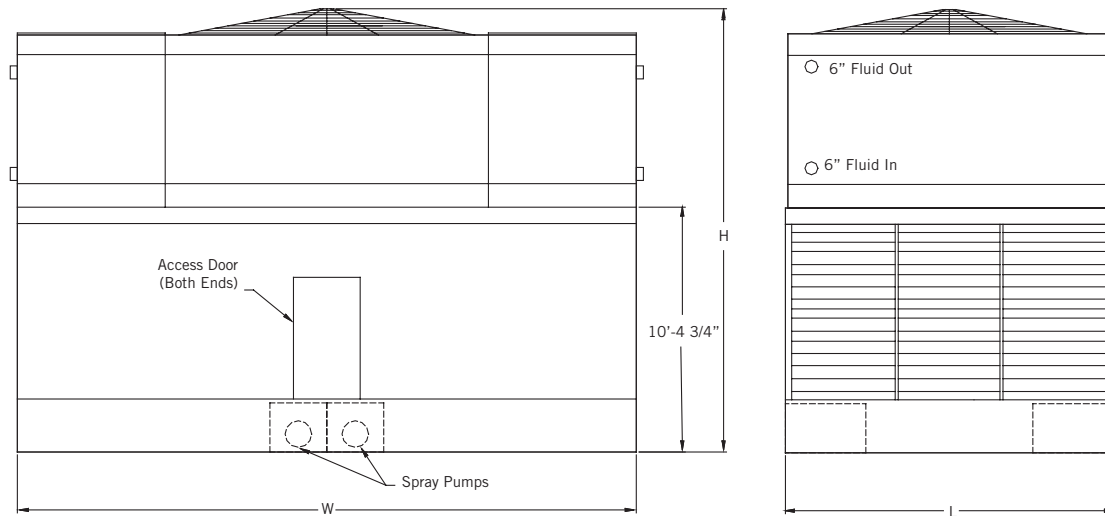
Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1224-36D-10	320	10
FXV3-1224-36D-15	373	15
FXV3-1224-36D-20	415	20
FXV3-1224-36D-25	447	25
FXV3-1224-36D-30	476	30
FXV3-1224-36T-10	311	10
FXV3-1224-36T-15	361	15
FXV3-1224-36T-20	400	20
FXV3-1224-36T-25	430	25
FXV3-1224-36T-30	457	30
FXV3-1224-36Q-10	303	10
FXV3-1224-36Q-15	348	15
FXV3-1224-36Q-20	386	20
FXV3-1224-36Q-25	414	25
FXV3-1224-36Q-30	441	30
FXV3-1426-20D-15	369	15
FXV3-1426-20D-20	400	20
FXV3-1426-20D-25	449	25
FXV3-1426-20D-30	469	30
FXV3-1426-24D-15	398	15
FXV3-1426-24D-20	431	20
FXV3-1426-24D-25	476	25
FXV3-1426-24D-30	499	30
FXV3-1426-24T-15	378	15
FXV3-1426-24T-20	411	20
FXV3-1426-24T-25	443	25
FXV3-1426-24T-30	464	30
FXV3-1426-24Q-15	363	15
FXV3-1426-24Q-20	394	20
FXV3-1426-24Q-25	423	25
FXV3-1426-24Q-30	443	30

Model Number	Nominal Tons ⁽¹⁾	Fan HP
FXV3-1426-28D-15	418	15
FXV3-1426-28D-20	459	20
FXV3-1426-28D-25	490	25
FXV3-1426-28D-30	516	30
FXV3-1426-30T-15	412	15
FXV3-1426-30T-20	451	20
FXV3-1426-30T-25	481	25
FXV3-1426-30T-30	507	30
FXV3-1426-32D-15	435	15
FXV3-1426-32D-20	478	20
FXV3-1426-32D-25	513	25
FXV3-1426-32D-30	541	30
FXV3-1426-32D-40	586	40
FXV3-1426-32Q-15	407	15
FXV3-1426-32Q-20	445	20
FXV3-1426-32Q-25	476	25
FXV3-1426-32Q-30	502	30
FXV3-1426-36D-15	449	15
FXV3-1426-36D-20	496	20
FXV3-1426-36D-25	532	25
FXV3-1426-36D-30	562	30
FXV3-1426-36D-40	609	40
FXV3-1426-36T-15	436	15
FXV3-1426-36T-20	479	20
FXV3-1426-36T-25	514	25
FXV3-1426-36T-30	542	30
FXV3-1426-36T-40	586	40
FXV3-1426-36Q-15	422	15
FXV3-1426-36Q-20	447	20
FXV3-1426-36Q-25	497	25
FXV3-1426-36Q-30	525	30
FXV3-1426-36Q-40	568	40

FXV3

Engineering Data

Model Number	Motor HP	Weights (lbs)			Dimensions			Spray Pump (USGPM)	Internal Coil Volume (gal)
	Pump	Operating ^[2]	Shipping	Heaviest Section	L	W	H		
FXV3-1224-20D-XX	(2) 7.5	56315	33170	11790	11'-11"	24'-1"	18'-11"	1900	585
FXV3-1224-24D-XX	(2) 7.5	59170	35060	11790	11'-11"	24'-1"	18'-11"	1900	702
FXV3-1224-24T-XX	(2) 7.5	59170	35050	11790	11'-11"	24'-1"	18'-11"	1900	702
FXV3-1224-24Q-XX	(2) 7.5	59725	35310	11790	11'-11"	24'-1"	18'-11"	1900	738
FXV3-1224-28D-XX	(2) 7.5	62625	37625	11790	11'-11"	24'-1"	20'-7"	1900	808
FXV3-1224-30T-XX	(2) 7.5	65215	39325	11790	11'-11"	24'-1"	20'-7"	1900	915
FXV3-1224-32D-XX	(2) 7.5	65425	39475	11790	11'-11"	24'-1"	20'-7"	1900	922
FXV3-1224-32Q-XX	(2) 7.5	66960	40375	11790	11'-11"	24'-1"	20'-7"	1900	998
FXV3-1224-36D-XX	(2) 7.5	68210	41315	11870	11'-11"	24'-1"	20'-7"	1900	1035
FXV3-1224-36T-XX	(2) 7.5	68355	41405	11915	11'-11"	24'-1"	20'-7"	1900	1042
FXV3-1224-36Q-XX	(2) 7.5	67990	41055	11790	11'-11"	24'-1"	20'-7"	1900	1040
FXV3-1426-20D-XX	(2) 7.5	67700	37420	13180	14'-0"	26'-4"	19'-10"	1900	686
FXV3-1426-24D-XX	(2) 7.5	71060	39640	13180	14'-0"	26'-4"	19'-10"	1900	823
FXV3-1426-24T-XX	(2) 7.5	71085	39650	13180	14'-0"	26'-4"	19'-10"	1900	825
FXV3-1426-24Q-XX	(2) 7.5	71610	39890	13180	14'-0"	26'-4"	19'-10"	1900	859
FXV3-1426-28D-XX	(2) 7.5	75020	42530	13180	14'-0"	26'-4"	21'-7"	1900	951
FXV3-1426-30T-XX	(2) 7.5	78040	44520	13180	14'-0"	26'-4"	21'-7"	1900	1075
FXV3-1426-32D-XX	(2) 7.5	78315	44710	13180	14'-0"	26'-4"	21'-7"	1900	1085
FXV3-1426-32Q-XX	(2) 7.5	80065	45750	13180	14'-0"	26'-4"	21'-7"	1900	1170
FXV3-1426-36D-XX	(2) 7.5	81615	46890	13620	14'-0"	26'-4"	21'-7"	1900	1219
FXV3-1426-36T-XX	(2) 7.5	81795	47000	13675	14'-0"	26'-4"	21'-7"	1900	1227
FXV3-1426-36Q-XX	(2) 7.5	81290	46560	13455	14'-0"	26'-4"	21'-7"	1900	1219



NOTES:

1. Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
2. Operating weight is for the unit with the water level in the cold water basin at the overflow and a full coil.
3. The actual size of the inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
4. Standard coil inlet and outlet connections are beveled for welding.
5. Models with Low Sound Fans may have heights up to 10 1/2" greater than shown.
6. Standard make-up, drain, and overflow connections are located on the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT.
7. For all models the riser pipe diameter is 6".

Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase.

FXV3

Engineering Data

DUAL AIR INTAKE FXV HEAT LOSS DATA (BTUH)

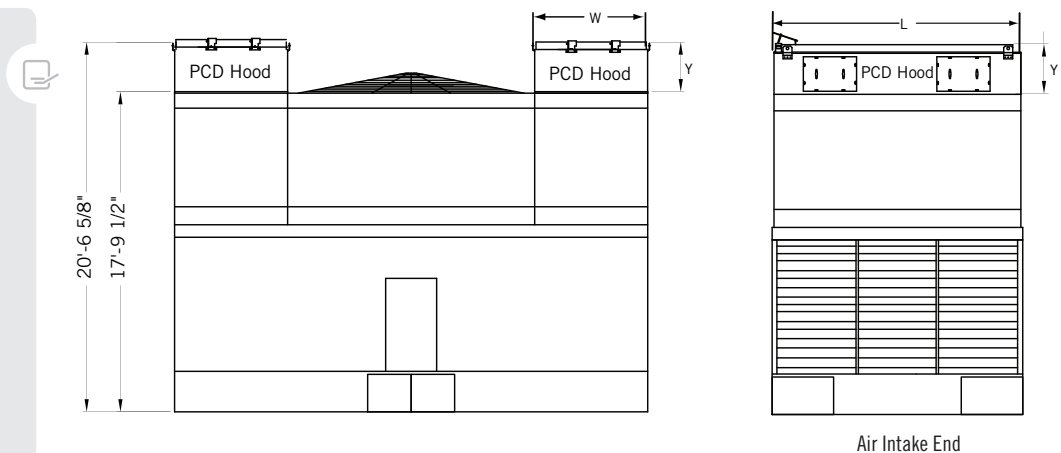
Model Number	Standard Unit	Unit with PCD Hood	Unit with PCD Hood and Insulation
FXV3-1224-20D-xx	792,606	208,434	173,763
FXV3-1224-24D-xx	899,090	205,427	171,256
FXV3-1224-24T-xx	915,201	212,156	176,866
FXV3-1224-24Q-xx	938,656	215,384	179,557
FXV3-1224-30T-xx	1,135,020	244,392	197,682
FXV3-1224-32D-xx	1,115,917	234,489	189,671
FXV3-1224-32Q-xx	1,201,698	248,502	201,006
FXV3-1224-36D-xx	1,202,457	231,613	187,345
FXV3-1224-36T-xx	1,237,100	242,150	195,868
FXV3-1224-36Q-xx	1,236,005	247,939	200,551
FXV3-1426-20D-xx	915,125	227,892	193,913
FXV3-1426-24D-xx	1,037,587	224,047	190,641
FXV3-1426-24T-xx	1,060,647	232,678	197,986
FXV3-1426-24Q-xx	1,085,827	236,913	201,589
FXV3-1426-30T-xx	1,312,863	267,264	220,448
FXV3-1426-32D-xx	1,286,958	254,520	209,936
FXV3-1426-32Q-xx	1,392,742	272,565	224,820
FXV3-1426-36D-xx	1,386,028	250,858	206,915
FXV3-1426-36T-xx	1,432,479	264,344	218,039
FXV3-1426-36Q-xx	1,432,560	271,840	224,221

DIMENSIONAL DATA OF POSITIVE CLOSURE DAMPER HOOD

Model Number	Hood Shipping Weight (lbs) ⁽³⁾	Hood Operating Weight (lbs)	Length (L)	Width (W)	Height (Y)
FXV3-1224	1,300	1,040	11'-11"	6'-3 3/8"	2'-9 1/8"
FXV3-1426	1,500	1,200	13'-11 1/8"		

NOTES:

- Heat Loss based on 50°F entering coil water and -10°F ambient with 45 MPH wind (fans and pumps off).
- One inch thick PVC nitrate rubber blend thermal insulation on both the PCD hood and the casing panels surrounding the coil.
- Hood shipping weight includes shipping skid weight.

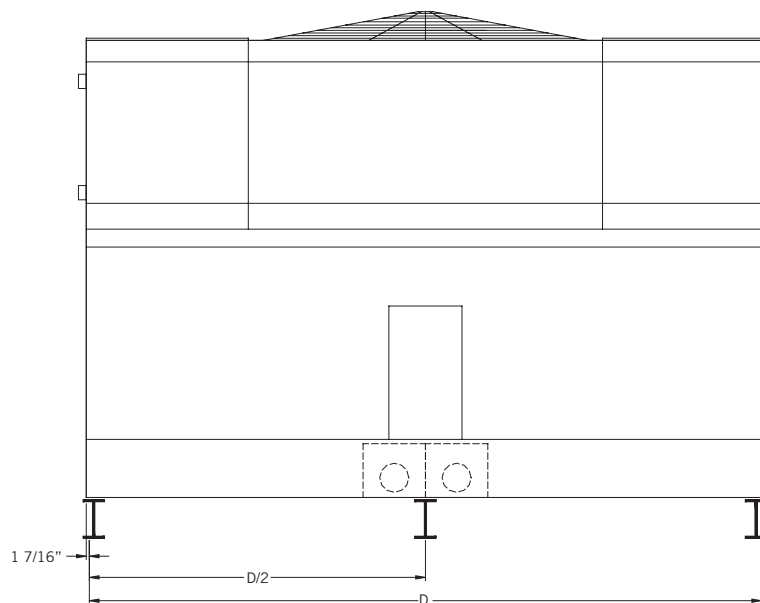


FXV3

Structural Support



The recommended support arrangement for Dual Air Intake FXV Closed Circuit Cooling Towers consists of parallel structural members positioned as shown on the drawings. In addition to providing adequate support, the members also serve to raise the unit above any solid foundation to ensure access to the bottom of the tower. To support an FXV on columns or in an alternate arrangement not shown here, consult your local BAC Representative.



STRUCTURAL SUPPORT

Model Number	D
FXV3-1224-XXX	23'-9 1/8"
FXV3-1426-XXX	26'-0 5/8"



NOTES:

1. Support members and anchor bolts shall be designed, furnished, and installed by others.
2. Design of support members and anchor bolts shall be in accordance with the strength and serviceability requirements of the applicable building code and project specifications.
3. Support members shall be level at the top.
4. Refer to the certified unit support drawing for loading and additional support requirements.
5. If vibration isolation (provided by others) is used, the isolators should be located under a structural base that complies with one of the recommended support arrangements. Contact your local BAC Representative for all other isolator configurations.