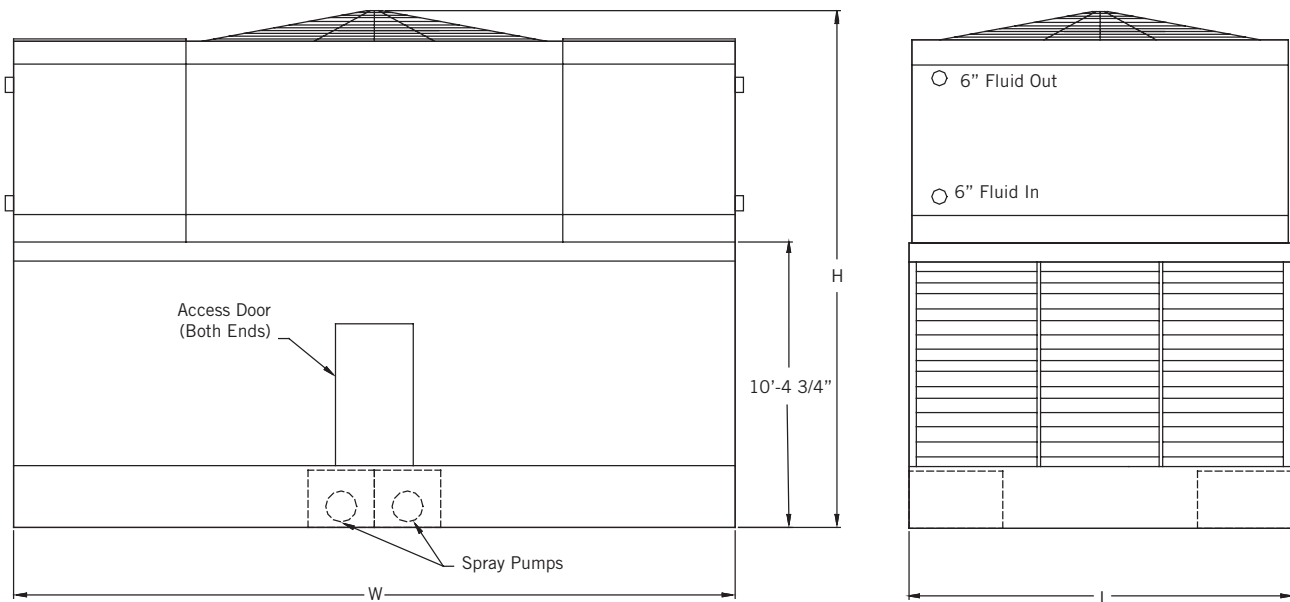


Dual Air Intake FXV Engineering Data



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 tower 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. 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 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.



Model Number	Nominal Tons ⁽¹⁾	Motor HP		Weights (lbs)			Dimensions			Spray Pump (USGPM)	Internal Coil Volume (gal)
		Fan	Pump	Operating ⁽²⁾	Shipping	Heaviest Section	L	W	H		
FXV-288-31M	344	20	15	46,000	27,680	8,050	11'-11"	24'-1"	18'-11"	1,720	600
FXV-288-31N	367	25		46,030	27,710	8,050					600
FXV-288-31O	386	30		46,080	27,760	8,050					600
FXV-288-31P	419	40		46,240	27,920	8,050					600
FXV-288-31Q	445	50		46,250	27,930	8,050					600
FXV-288-31R	468	60		46,465	28,145	8,050					600
FXV-288-41M	364	20		49,690	30,440	9,430					712
FXV-288-41N	389	25		49,720	30,470	9,430					712
FXV-288-41O	412	30		49,770	30,520	9,430					712
FXV-288-41P	448	40		49,930	30,680	9,430					712
FXV-288-41Q	478	50		49,940	30,690	9,430					712
FXV-288-41R	502	60		50,160	30,910	9,430					712
FXV-288-2TM	349	20		49,690	30,440	9,430					712
FXV-288-2TN	372	25		49,720	30,470	9,430					712
FXV-288-2TO	392	30		49,770	30,520	9,430					712
FXV-288-2TP	424	40		49,930	30,680	9,430					712
FXV-288-2TQ	449	50		49,940	30,690	9,430					712
FXV-288-2TR	470	60		50,155	30,905	9,430					712
FXV-288-1QM	325	20		49,690	30,440	9,430					706
FXV-288-1QN	347	25		49,720	30,470	9,430					706
FXV-288-1QO	365	30	49,770	30,520	9,430	706					
FXV-288-1QP	394	40	49,930	30,680	9,430	706					
FXV-288-1QQ	418	50	49,940	30,690	9,430	706					
FXV-288-1QR	439	60	50,160	30,910	9,430	706					
FXV-364-31N	442	25	15	53,900	31,630	9,390	14'-0"	26'-4"	19'-10"	1,720	696
FXV-364-31O	463	30		53,950	31,680	9,390					696
FXV-364-31P	496	40		54,110	31,840	9,390					696
FXV-364-31Q	525	50		54,120	31,850	9,390					696
FXV-364-31R	550	60		54,335	32,065	9,390					696
FXV-364-31S	579	75		54,435	32,165	9,390					696
FXV-364-41N	464	25		58,260	34,910	11,030					828
FXV-364-41O	489	30		58,310	34,960	11,030					828
FXV-364-41P	530	40		58,470	35,120	11,030					828
FXV-364-41Q	561	50		58,480	35,130	11,030					828
FXV-364-41R	589	60		58,695	35,345	11,030					828
FXV-364-41S	624	75		58,795	35,445	11,030					828
FXV-364-2TN	443	25		58,260	34,910	11,030					828
FXV-364-2TO	463	30		58,310	34,960	11,030					828
FXV-364-2TP	498	40		58,470	35,120	11,030					828
FXV-364-2TQ	526	50		58,480	35,130	11,030					828
FXV-364-2TR	549	60		58,695	35,345	11,030					828
FXV-364-2TS	574	75		58,795	35,445	11,030					828
FXV-364-1QN	420	25		58,260	34,910	11,030					862
FXV-364-1QO	442	30		58,310	34,960	11,030					862
FXV-364-1QP	472	40	58,470	35,120	11,030	862					
FXV-364-1QQ	499	50	58,480	35,130	11,030	862					
FXV-364-1QR	522	60	58,700	35,350	11,030	862					
FXV-364-1QS	550	70	58,800	35,450	11,030	862					

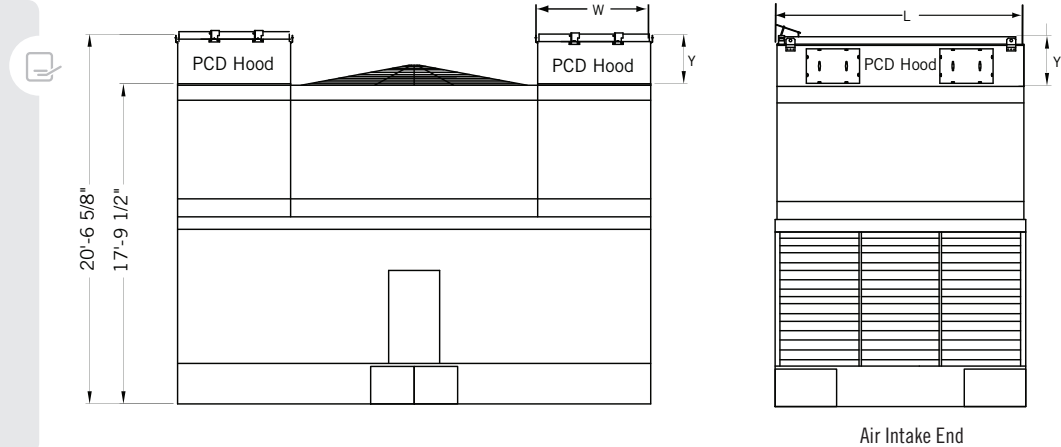
Dual Air Intake FXV Engineering Data

DUAL AIR INTAKE FXV HEAT LOSS DATA (BTUH)

Model Number	Standard Unit	Unit with PCD Hood	Unit with PCD Hood and Insulation
FXV-288-31x	760,200	280,700	202,000
FXV-288-41x	881,100	294,500	211,000
FXV-288-2TX	881,100	294,500	211,000
FXV-288-1Qx	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-364-2TX	1,036,200	346,400	248,100
FXV-364-1Qx	1,036,200	346,400	248,100

NOTES:

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



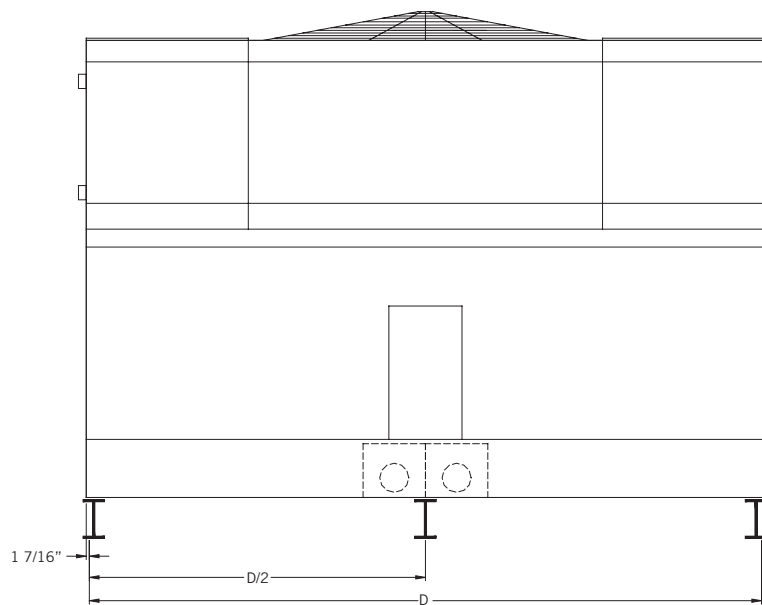
DIMENSIONAL DATA OF POSITIVE CLOSURE DAMPER HOOD

Model Number	Hood Shipping Weight (lbs) ⁽³⁾	Hood Operating Weight (lbs)	Length (L)	Width (W)	Height (Y)
FXV-288	1,300	1,040	11'-11"	6'-3 3/8"	2'-9 1/8"
FXV-364	1,500	1,200	13'-11 1/8"		

Dual Air Intake FXV Structural Support



The recommended support arrangement for Dual Air Intake FXV Closed Circuit Cooling Towers consists of parallel I-beams positioned as shown on the drawings. Besides providing adequate support, the steel also serves to raise the unit above any solid foundation to assure 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	Maximum Deflection ⁽³⁾
FXV-288-xxx	23'-9 1/8"	1/2"
FXV-364-xxx	26'-0 5/8"	1/2"



NOTES:

1. Support steel and anchor bolts to be designed and furnished by others.
2. All support steel must be level at the top.
3. Beams must be selected in accordance with accepted structural practice. Maximum deflection of beam under unit to be 1/360 of span, not to exceed 1/2 inch.
4. If vibration isolation rails are to be used between the unit and supporting steel, be certain to allow for the length of the vibration rails when determining the length of the supporting steel, as vibration rail length and mounting hole locations may differ from those of the unit.
5. If point vibration isolation is used with multi-cell units, the isolators must be located under the support steel, not between the support steel and the closed circuit cooling towers.