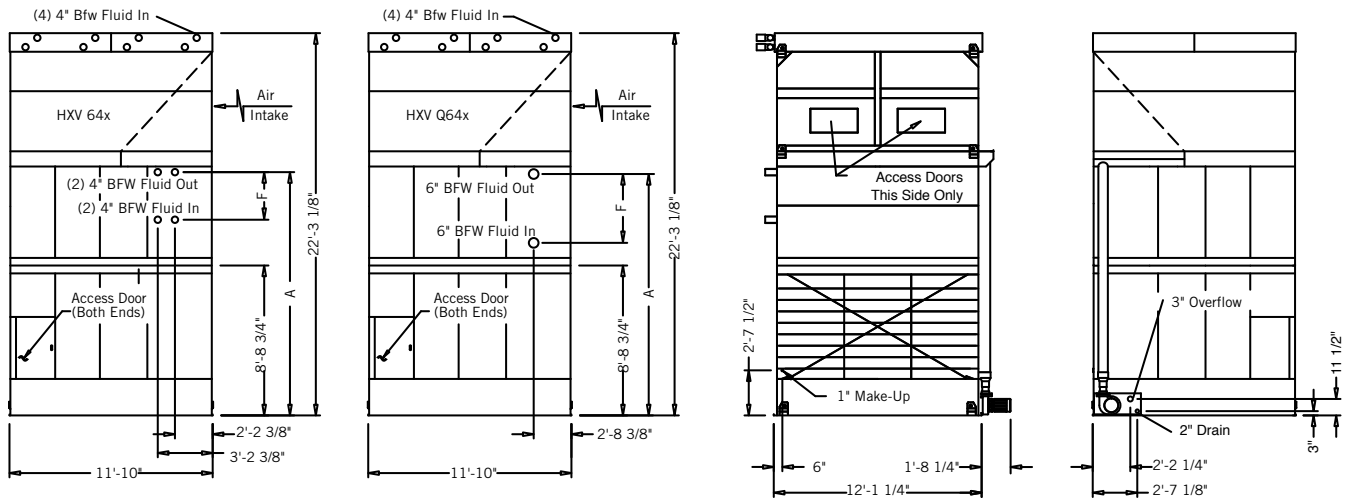
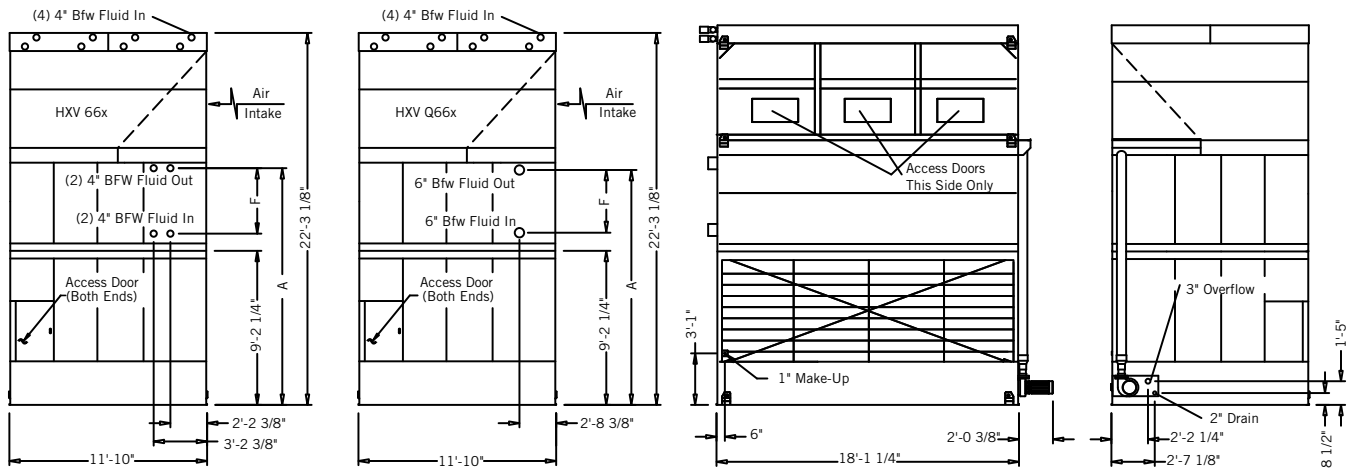


# HXV Engineering Data

## > HXV-64x/Q64x



## > HXV-66x/Q66x



**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 <sup>(1)</sup>	Motor HP		Weights (lbs)			Dimensions	
		Fan	Pump	Operating <sup>(2)</sup>	Shipping	Heaviest Section (Coil)	A	F
HXV-641-OM	160	30	5	24,800	15,000	23,700	14'-2"	2'-0"
HXV-642-OM	180	30	5	26,300	16,100	25,200	14'-2"	2'-10"
HXV-Q640-OM	164	30	5	26,300	16,100	25,200	14'-1"	2'-8"
HXV-Q641	191	30	5	29,300	18,200	28,200	14'-1"	4'-2"
HXV-661-OM	252	30 & 15	7.5	35,700	21,600	34,600	14'-8"	2'-0"
HXV-662-OM	283	30 & 15	7.5	38,000	23,200	36,800	14'-8"	2'-10"
HXV-Q660-OM	268	30 & 15	7.5	38,000	23,200	36,800	14'-6"	2'-6"
HXV-Q661	305	30 & 15	7.5	42,400	28,400	41,300	14'-6"	4'-0"



#### NOTES:

- Nominal tons of cooling represents the capability to cool 3 USGPM of water from 95°F entering water temperature to 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
- 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 the unit print for dimensions.
- Pipe sizes are nominal diameters. Standard connections are beveled-for-welding (BFW).
- Dimensional drawings show standard (right hand) arrangements with the standard finned coil arrangement.

## Winter Operation

Model Number	Heat Loss Data (BTU/HR, Standard Unit)	Internal Coil Volumes		Cold Water Basin Volume at Operating Level (gal)
		Prime Surface Coil (gal)	Finned Coil (gal)	
HXV-641-OM	904,180	163	119	207
HXV-642-OM	962,184	218	119	207
HXV-Q640-OM	962,184	218	119	207
HXV-Q641	1,074,780	326	119	207
HXV-661-OM	1,354,564	255	170	314
HXV-662-OM	1,436,452	340	170	314
HXV-Q660-OM	1,436,452	340	170	314
HXV-Q661	1,596,816	510	170	314

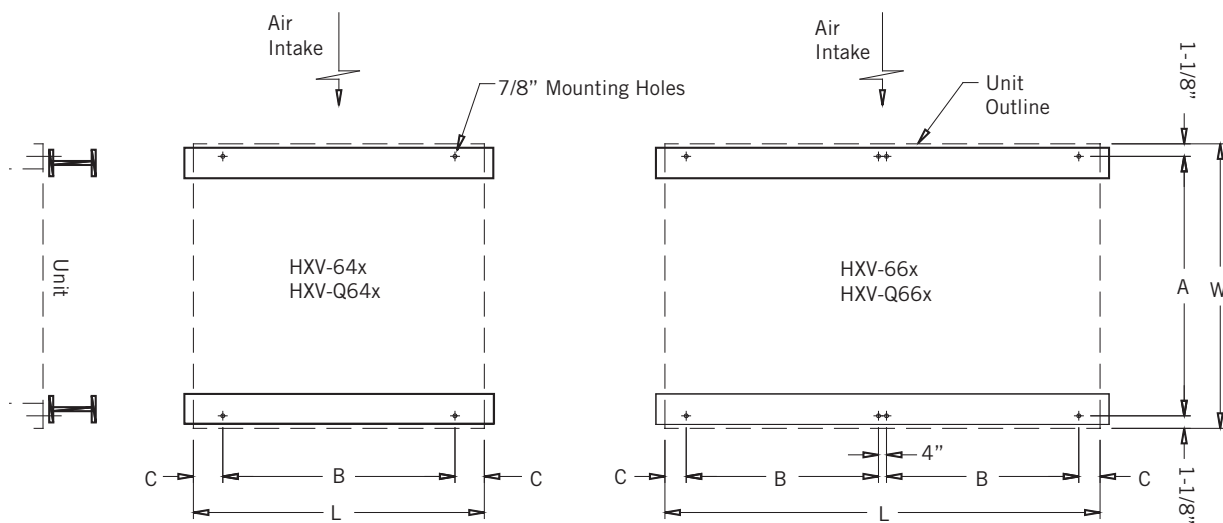


#### NOTES:

- Heat loss data based on 50°F (-10.0°C) coil water and -10.0°F (-23.3°C) with a 45 MPH (72.4 Km/hr) wind velocity (fans and pump are off).
- Electric immersion heaters with thermostat and low level cutout. All components are factory installed in the unit basin. Heaters are selected to maintain 40°F (4.4°C) basin water at 0°F (-17.8°C) ambient temperature. In outdoor locations, trace heating and insulation of spray pump(s) (by others) may be required for freeze protection.

# HXV Structural Support

The recommended support arrangement for HXV Hybrid Cooling Towers consists of parallel I-beams positioned as shown in 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 HXV on columns or in an alternate arrangement not shown here, consult your local BAC Representative.



Model Number	Maximum Deflection (in) <sup>(4)</sup>	W	L	A	B	C	Number of Standard 7/8" Anchor Bolts
HXV-64X	1/2"	11'-10"	12'-2"	11'-8"	10'-6"	10"	4
HXV-Q64X	1/2"	11'-10"	12'-2"	11'-8"	10'-6"	10"	4
HXV-66X	1/2"	11'-10"	18'-2"	11'-8"	8'	11"	8
HXV-Q66X	1/2"	11'-10"	18'-2"	11'-8"	8'	11"	8



## NOTES:

- Supporting steelwork and anchor bolts are to be designed and furnished by others.
- All support steel must be level at the top.
- Each beam should be designed, as a minimum, for 65% of the total unit operating weight applied as a uniformly distributed load.
- Beams must be selected in accordance with accepted structural practice. Maximum deflection of the beam under the unit to be 1/360 of span, not to exceed 1/2 inch.
- If vibration isolation rails are to be used between the unit and the 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.
- 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 towers.