Sound attenuation XC

Closed circuit cooling towers

Engineering data

Remark: Do not use for construction. Refer to factory certified dimensions & weights. This page includes data current at time of publication, which should be reconfirmed at the time of purchase. In the interest of product improvement, specifications, weights and dimensions are subject to change without notice.

General notes

1. Make up, overflow, suction, drain connections and access door can be provided on side opposite to that shown; consult your BAC representative.
2. Unit height is indicative, for precise value refer to certified print.
3. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
4. The drawings for units with only on spray pump show the standard "right hand" arrangement, which has the air inlet side on the right when facing the connection end.
5. Coil, overflow, make up and spray water connections are always located on the same end of the unit. For double pump units an additional set of coil connections and an additional overflow connection will be installed an the other end of the unit.
6. For indoor applications of closed circuit cooling towers, the room may be used as a plenum with ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
7. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
8. On models VXI 9 to VXI 36 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
When flow rate on models VXI 27, VXI 36, VXI 50 exceeds 30l/s the quantity of coil connections will be double.
9. When flow rate on models VXI 70, VXI C72, VXI C108, VXI 95, VXI 145, VXI 180, VXI 144, VXI 215 exceeds 60 l/s the coil connections will be double when flow rate on models VXI 190, VXI 290, VXI 360, VXI 288 and VXI 430 exceeds 120l/s the quantity of coil conncetions will be double.
Models VXI 9 throuh VXI 145 have one coil section and one fan motor, which can be switched on an off.
10. Models VXI-95, 144, 145, 180 and 215 have one coil section and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these Units all fans need to operate simultaneously.
Models vxi-190, 288, 290,360 and 430 have 2 coils casing section. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously per coil casing section. Multiple speed motors are available for additional steps of capacity control can be obtained with fan discharge dampers. Consult your local BAC representative.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your local

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BAC representative for selection and pricing.

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1. Acces door; L = Unit Length; W = Unit Width; H = Unit Height (see Engineering Data).

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Model	Unit + Atten # pieces shipped	# Access Doors		Dimensions (mm)					Weights (kg)			
		Discharge	Intake	W2	H1	W1	L1	L2	Intake	Solid Bottom	Discharge	Total
9-X	4[1]	1	2	N.A.	1090	1030	890	902	N.A.	30	N.A.	N.A.
18-X	4[1]	1	2	N.A.	1090	1030	1800	1816	N.A.	50	N.A.	N.A.
27-X	4	1	2	N.A.	1090	1030	2710	2731	N.A.	70	N.A.	N.A.
36-X	4	1	2	N.A.	1090	1030	3635	3645	830	100	N.A.	N.A.
50-X	4	1	2	3728	1600	1420	3635	3645	1080	120	1070	2270
70-X	4	1	2	4687	2070	1955	3525	3645	1420	190	1330	2940
C72-X	4	1	2	4535	2070	1955	3525	3645	1420	190	1330	2940
95-X	4	1	2	4687	2070	2365	3550	3645	1420	190	1640	3250
C108-X	4	2	2	4535	2070	1955	5365	5480	1970	300	1980	4250
145-X	4	2	2	4687	2070	2365	5385	5480	1970	300	2240	4510
190-X	7	2	2	4687	2070	2365	7200	7322	2840	380	3280	6500
290-X	7	4	2	4687	2070	2365	10885	10998	3940	600	4480	9020
180-X	4	2	2	5290	2560	2965	5365	5480	2240	350	2490	5080
360-X	7	4	2	5290	2560	2965	10730	10994	4480	700	4980	10160
144-X	4	1	2	5897	2560	3575	3525	3645	1620	280	2130	4030
215-X	4	2	2	5897	2560	3575	5365	5480	2240	420	2920	5580
288-X	7	2	2	5897	2560	3575	7050	7322	3240	560	4260	8060
430-X	7	4	2	5897	2560	3575	10730	10994	4480	840	5840	11160

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