

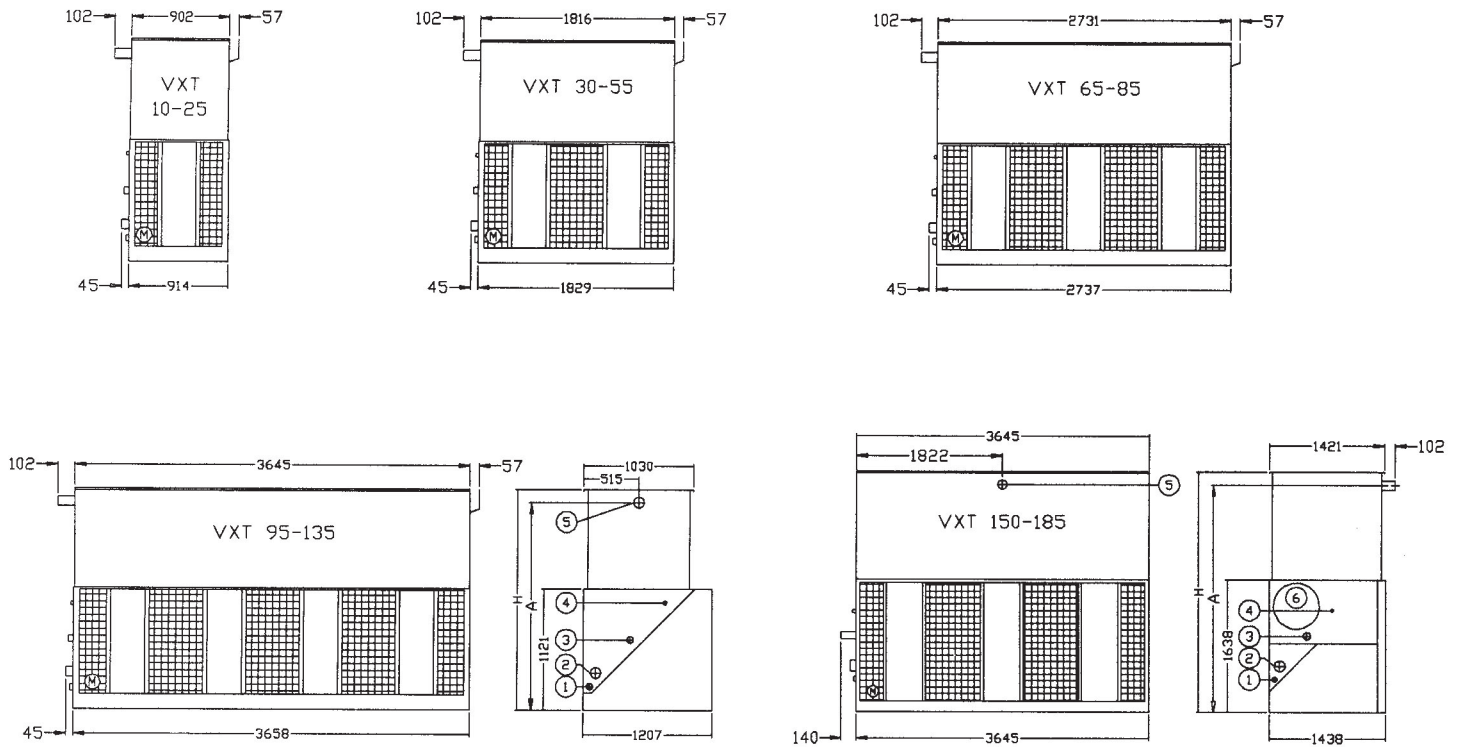


TECHNICAL DATA

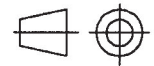


VXT Cooling Towers

Technical Data



1. Drain ND 50 - both ends, 2. Suction, 3. Overflow ND 50, 4. Make-up, 5. Inlet, 6. Access, 7. Quickfill ND 25



NOTES:

On models VXT 10 to VXT 135 sufficient space must be provided on the back of the unit for entry to access doors located on side opposite air entry side.

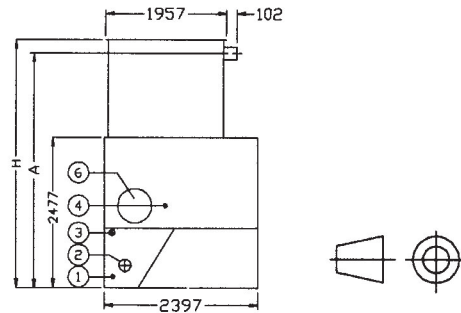
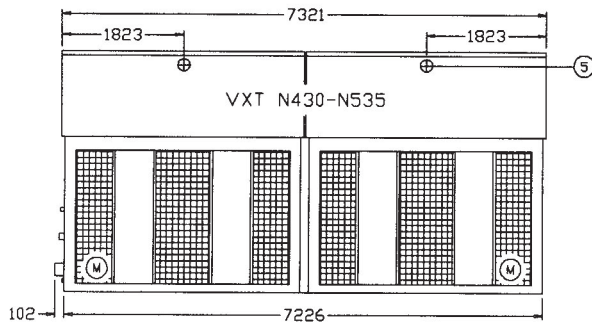
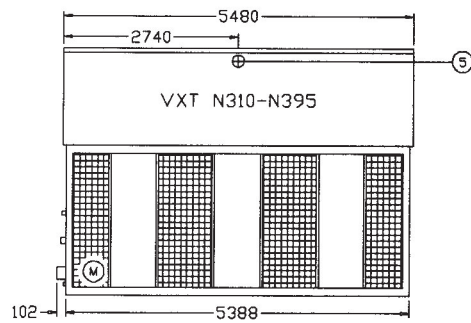
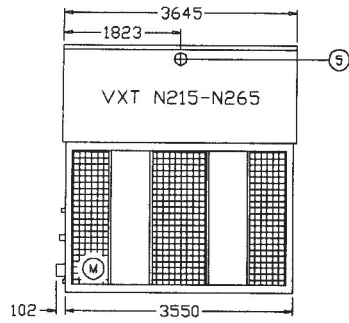
1. Units VXT-10 to VXT-95 ship in one piece.
2. Casing is heaviest section.

Do not use for construction. Refer to factory certified dimensions. In the interest of product improvement, specifications and dimensions are subject to change without notice.

Technical Data

Model Number VXT	Mass (kg)			Air Flow (m³/s)	Fan Motor (kW)	Dimensions (mm)		Water Inlet Connection (mm)	Water Outlet Connection (mm)	Make-up Connection (mm)
	Approximate Operating	Approximate Shipping	Heaviest Section (Pan)			A	H			
VXT 10	405	327	327 (1)	1.79	0.75	1775	2036	80	80	25
VXT 15	410	331	331 (2)	1.94	1.1	1775	2036	80	80	25
VXT 20	425	349	349 (1)	2.19	1.5	1775	2036	80	80	25
VXT 25	435	358	358 (1)	2.50	2.2	1775	2036	80	80	25
VXT 30	655	490	490 (1)	3.74	1.5	1775	2036	80	80	25
VXT 40	685	522	522 (1)	4.48	2.2	1775	2036	80	80	25
VXT 45	690	531	531 (1)	4.97	4	1775	2036	80	80	25
VXT 55	780	617	617 (1)	5.16	5.5	2245	2506	80	80	25
VXT 65	1050	717	717 (1)	7.22	5.5	1775	2036	100	100	25
VXT 70	1075	739	739 (1)	8.12	5.5	1959	2220	100	100	25
VXT 75	1135	802	802 (1)	8.02	5.5	2245	2506	100	100	25
VXT 85	1140	807	807 (1)	8.83	7.5	2245	2506	100	100	25
VXT 95	1255	889	889 (1)	11.04	7.5	1775	2036	100	100	25
VXT 105	1445	1080	576	10.90	7.5	2416	2677	100	100	25
VXT 120	1470	1107	603	12.58	11	2416	2677	100	100	25
VXT 135	1665	1302	699 (2)	12.46	11	3089	3350	100	100	25
VXT 150	2215	1592	912	15.79	15	2842	3128	150	150	25
VXT 165	2360	1737	912	15.53	15	3299	3585	150	150	25
VXT 185	2565	1941	980 (2)	16.94	18.5	3756	4042	150	150	25

Technical Data



1. Drain ND 50 - both ends, 2. Suction, 3. Overflow ND 80, 4. Make-up, 5. Inlet, 6. Access, 7. Quickfill ND 50

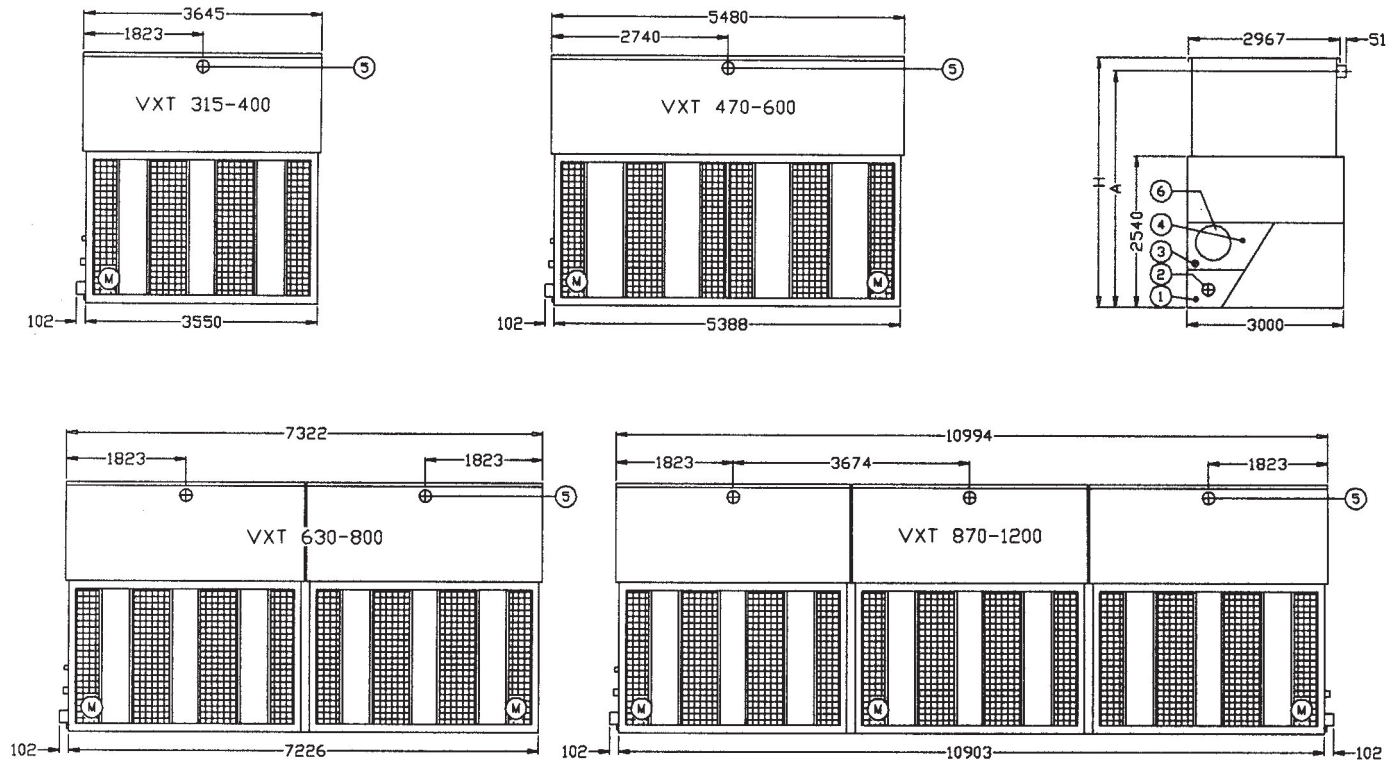


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Technical Data

Model Number VXT	Mass (kg)			Air Flow (m ³ /s)	Fan Motor (kW)	Dimensions (mm)		Water Inlet Connection (mm)	Water Outlet Connection (mm)	Make-up Connection (mm)
	Approximate Operating	Approximate Shipping	Heaviest Section (Pan)			A	H			
VXT N215	3642	2105	1393	23.49	22	2826	3112	150	200	50
VXT N240	3846	2309	1393	23.33	22	3283	3569	150	200	50
VXT N265	4078	2540	1433	24.26	30	3740	4026	150	200	50
VXT N310	5302	3057	1873	34.12	30	2826	3112	200	200	50
VXT N345	5584	3338	1873	33.82	30	3283	3569	200	200	50
VXT N370	5865	3620	1873	33.6	30	3740	4026	200	200	50
VXT N395	5888	3642	1896	36.15	37	3740	4026	200	200	50
VXT N430	7330	4191	2758	46.98	(2) 22	2826	3112	(2) 150	250	50
VXT N480	7734	4595	2758	46.65	(2) 22	3283	3569	(2) 150	250	50
VXT N510	8115	4976	2758	46.44	(2) 22	3740	4026	(2) 150	250	50
VXT N535	8196	5058	2839	48.94	(2) 30	3740	4026	(2) 150	250	50

Technical Data



1. Drain ND 50 - both ends, 2. Suction, 3. Overflow ND 80, 4. Make-up, 5. Inlet, 6. Access, 7. Quickfill ND 50



Do not use for construction. Refer to factory certified dimensions. In the interest of product improvement, specifications and dimensions are subject to change without notice.

Technical Data

Model Number VXT	Mass (kg)			Air Flow (m³/s)	Fan Motor (kW)	Dimensions (mm)		Water Inlet Connection (mm)	Water Outlet Connection (mm)	Make-up Connection (mm)
	Approximate Operating	Approximate Shipping	Heaviest Section (Pan)			A	H			
VXT 315	4905	2962	1946	34.55	30	3743	4030	200	200	50
VXT 350	5195	3257	1946	34.31	30	4201	4487	200	200	50
VXT 375	5505	3565	1946	34.10	30	4658	4944	200	200	50
VXT 400	5535	3592	1969	36.62	37	4658	4944	200	200	50
VXT 470	7305	4359	2767	51.82	(2) 22	3715	4030	(2) 200	250	50
VXT 525	7750	4808	2767	51.44	(2) 22	4173	4487	(2) 200	250	50
VXT 560	8245	5293	2767	50.92	(2) 22	4630	4944	(2) 200	250	50
VXT 600	8315	5371	2844	54.93	(2) 30	4630	4944	(2) 200	250	50
VXT 630	9805	5906	3883	69.09	(2) 30	3743	4030	(2) 200	300	50
VXT 700	10935	6495	3883	68.62	(2) 30	4201	4487	(2) 200	300	50
VXT 750	11005	7112	3883	68.20	(2) 30	4658	4944	(2) 200	300	50
VXT 800	11045	7162	3924	73.25	(2) 37	4658	4944	(2) 200	300	50
VXT 870	14560	8718	5670	94.37	(3) 22	3743	4030	(3) 200	(2) 250	80
VXT 945	14680	8831	5783	103.64	(3) 30	3743	4030	(3) 200	(2) 250	80
VXT 1050	15560	9634	5783	102.93	(3) 30	4201	4487	(3) 200	(2) 250	80
VXT 1125	16490	10646	5783	102.30	(3) 30	4658	4944	(3) 200	(2) 250	80
VXT 1200	16560	10718	5856	109.87	(3) 37	4658	4944	(3) 200	(2) 250	80



NOTES:

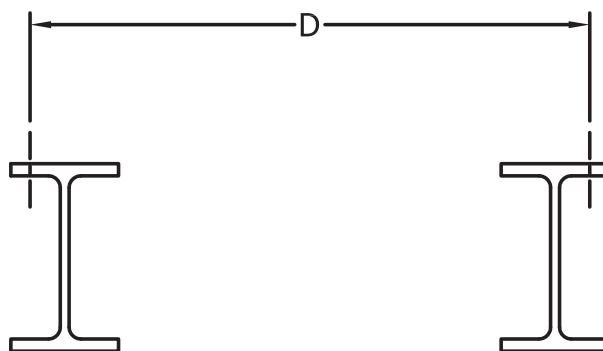
1. All connections 150mm and smaller are MPT. Connections 200mm and larger are beveled for welding.
2. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
3. Make-up, overflow, suction and drain connections can be provided on end opposite to that shown. Consult your BAC representative.

4. Wet Deck Surface

BACount Wet Deck Surface is standard on all VXT cooling towers and is constructed of polyvinyl chloride (PVC). The serpentine design provides maximum air/water contact area to assure efficient heat transfer. It is impervious to rot, decay, biological attack and can handle entering water temperature up to 55°C. For water temperatures greater than 55°C, or where special water conditions apply, high temperature BACount Wet Deck Surface (CPVC) is available.

Structural Support

Model Number VXT	D (mm)	Maximum Deflection (mm)
VXT 10-25	1153	2.4
VXT 30-55	1153	4.8
VXT 65-85	1153	7.9
VXT 95-135	1153	9.5
VXT 150-185	1378	9.5
VXT N215-265	2327	9.5
VXT N310-535	2327	12.5
VXT 315-400	2934	9.5
VXT 470-1200	2934	12.5



The recommended support arrangement for BAC VX Cooling Towers is two **I** beams running the full length of the unit. Besides providing support, the steel also serves to raise the unit above any solid foundation which might restrict air movement or prevent access to the bottom of the unit. The steel support beam must be located directly beneath the unit and extend the full length of the pan section. Support beams and anchor bolts are to be furnished and installed by others. Refer to the BAC unit certified print for bolt hole location of units without vibration isolation.

VXT Questions?

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