

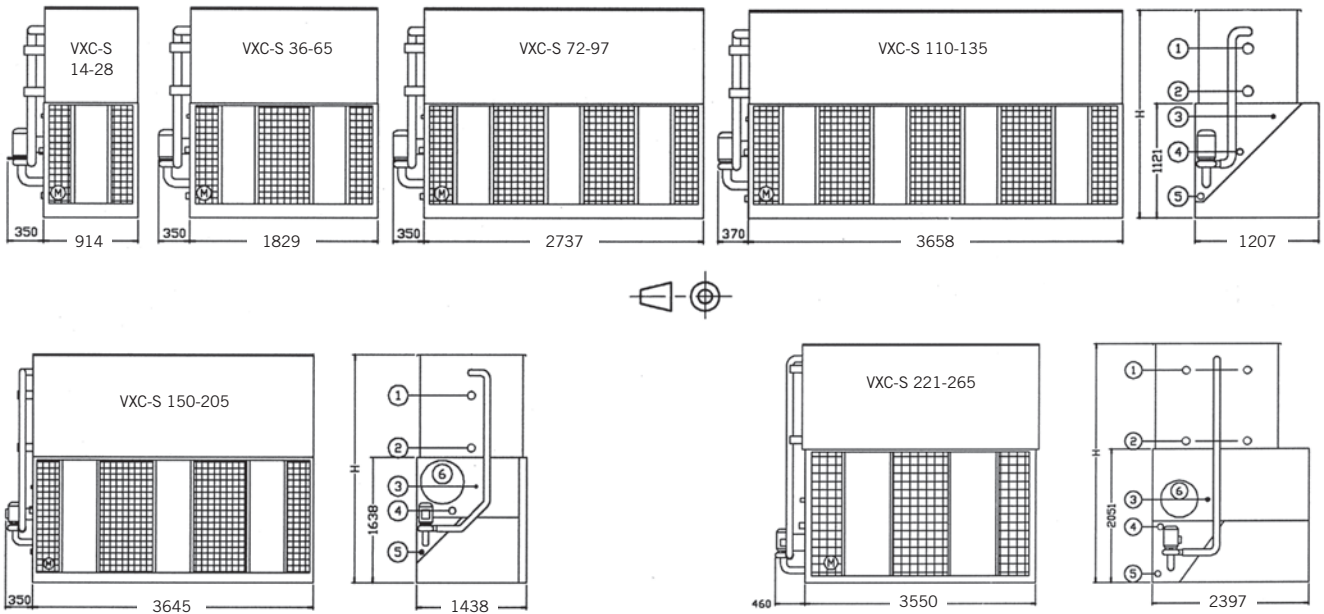


TECHNICAL DATA



VXC-S Evaporative Condenser

Technical Data



1. Refrigerant in, 2. Refrigerant out, 3. Make-up, 4. Overflow, 5. Drain, 6. Access / (Models VXCS 14 through 135 have the access door at the back).



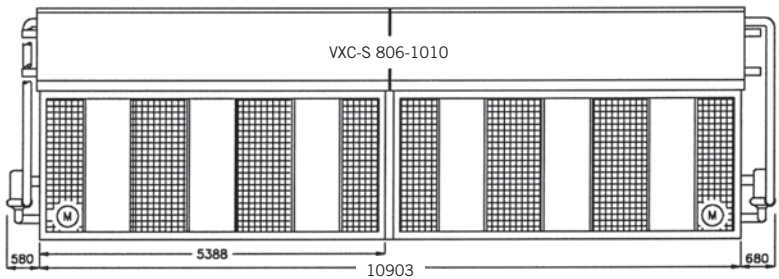
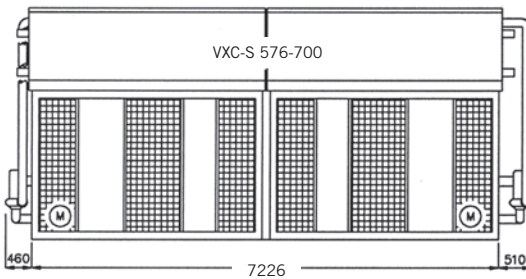
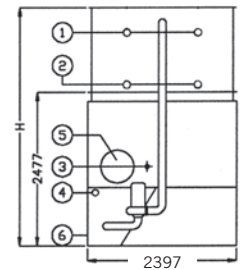
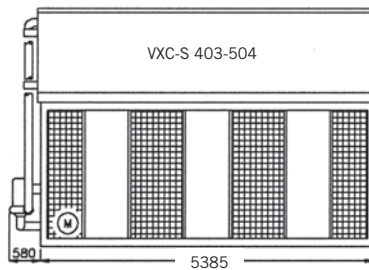
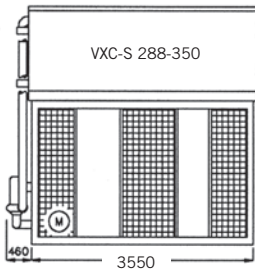
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Technical Data

Model Number VXC-S	Base Heat Rejection (kW)	Weight			Air Flow (m³/s)	Fan Motor (kW)	Spray Water Flow (l/s)	Pump Motor (kW)	R-717 Charge (kg)	Remote Sump		H (mm)
		Approx. Shipping (kg)	Approx. Operating (kg)	Heaviest Section (Coil) (kg)						Drain Size Nom. (mm)	Operating Weight (kg)	
VXC-S 14	61	600	660	600*	2.3	1.5	2.2	0.37	9	65	620	2015
VXC-S 18	78	670	740	670*	2.2	1.5	2.2	0.37	11	65	690	2230
VXC-S 25	108	760	830	480	2.5	2.2	2.2	0.37	15	65	780	2445
VXC-S 28	121	830	900	540	2.4	2.2	2.2	0.37	19	65	850	2660
VXC-S 36	156	920	1050	920*	4.6	4.0	4.7	0.75	16	80	950	2015
VXC-S 45	194	1030	1170	1030*	5.0	4.0	4.7	0.75	20	80	1060	2230
VXC-S 52	225	1180	1330	770	4.8	4.0	4.7	0.75	29	80	1210	2445
VXC-S 59	250	1200	1350	770	5.3	5.5	4.7	0.75	29	80	1230	2445
VXC-S 65	281	1330	1500	910	5.5	5.5	4.7	0.75	36	80	1360	2660
VXC-S 72	311	1590	1910	1120	5.8	4.0	7.1	0.75	41	100	1700	2530
VXC-S 86	371	1640	1960	1120	7.5	7.5	7.1	0.75	41	100	1750	2530
VXC-S 97	418	1830	2180	1300	7.1	7.5	7.1	0.75	50	100	1980	2760
VXC-S 110	474	2060	2500	1420	10.4	7.5	9.6	1.1	59	100	2220	2530
VXC-S 125	539	2300	2760	1690	9.9	7.5	9.6	1.1	66	100	2480	2760
VXC-S 135	582	2330	2790	1690	10.9	11.0	9.6	1.1	73	100	2520	2760
VXC-S 150	647	3390	3960	2230	13.3	7.5	13.9	2.2	77	150	3540	3045
VXC-S 166	716	3420	3990	2230	15.8	11.0	13.9	2.2	77	150	3570	3045
VXC-S 185	798	3710	4430	2690	15.7	11.0	13.9	2.2	104	150	4020	3280
VXC-S 205	884	4000	4725	2985	16.9	15.0	13.9	2.2	111	150	4315	3515
VXC-S 221	953	4620	6230	2980	21.9	15.0	19.2	2.2	109	150	5130	3460
VXC-S 250	1078	5240	6860	3610	21.2	15.0	19.2	2.2	145	150	5760	3695
VXC-S 265	1142	5285	6905	3610	22.7	18.5	19.2	2.2	145	150	5805	3695

* Unit normally ships in one piece.

Technical Data



1. Refrigerant in, 2. Refrigerant out, 3. Make-up, 4. Overflow, 5. Access, 6. Drain



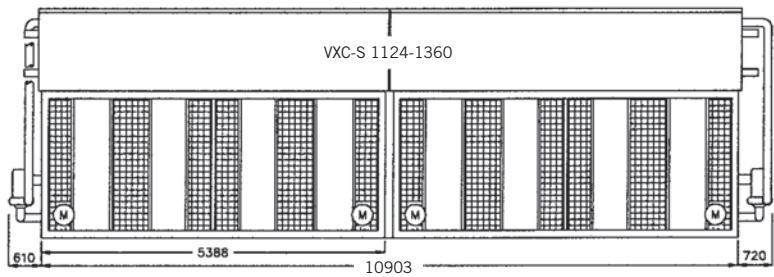
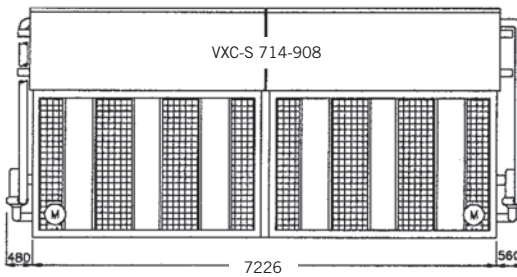
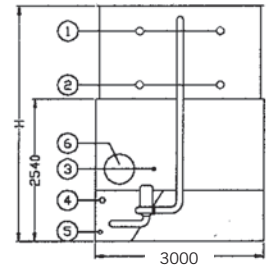
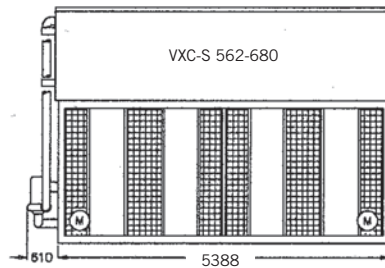
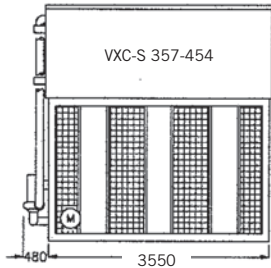
Do not use for construction. Refer to factory certified dimensions. In the interest of product improvement, specifications and dimensions are subject to change without notice.

Technical Data

Model Number VXC-S	Base Heat Rejection (kW)	Weight			Air Flow (m ³ /s)	Fan Motor (kW)	Spray Water Flow (l/s)	Pump Motor (kW)	R-717 Charge (kg)	Remote Sump		H (mm)
		Approx. Shipping (kg)	Approx. Operating (kg)	Heaviest Section (Coil) (kg)						Drain Size Nom. (mm)	Operating Weight (kg)	
VXC-S 288	1241	5525	7600	3850	22.8	18.5	24.3	3.0	163	150	6645	4120
VXC-S 300	1293	5555	7630	3850	24.2	22.0	24.3	3.0	163	150	6675	4120
VXC-S 328	1413	5630	7805	3850	26.7	30.0	24.3	3.0	163	150	6750	4120
VXC-S 350	1508	6180	8320	4470	26.2	30.0	24.3	3.0	195	150	7370	4355
VXC-S 403	1737	7170	10225	4715	36.6	30.0	36.6	5.5	197	200	8750	3885
VXC-S 429	1849	7230	10285	4715	38.9	37.0	36.6	5.5	197	200	8810	3885
VXC-S 455	1961	8125	11270	5700	34.9	30.0	36.6	5.5	245	200	9800	4120
VXC-S 482	2077	8175	11320	5700	37.5	37.0	36.6	5.5	245	200	9850	4120
VXC-S 504	2172	9260	12500	6690	36.6	37.0	36.6	5.5	293	200	11030	4355
VXC-S 576	2482	11040	15225	3840	45.6	(2) 18.5	48.6	(2) 3	327	250	13325	4120
VXC-S 600	2585	11140	15325	3840	48.4	(2) 22.0	48.6	(2) 3	327	250	13425	4120
VXC-S 656	2826	11320	15505	3840	53.4	(2) 30.0	48.6	(2) 3	327	250	13605	4120
VXC-S 700	3016	12355	16655	4475	52.4	(2) 30.0	48.6	(2) 3	390	250	14750	4355
VXC-S 806	3473	14415	20555	4810*	73.2	(2) 30.0	73.2	(2) 5.5	395	300	17620	3885
VXC-S 858	3697	14615	20755	4810*	77.8	(2) 37.0	73.2	(2) 5.5	395	300	17820	3885
VXC-S 910	3921	16420	22570	5710	69.8	(2) 30.0	73.2	(2) 5.5	490	300	19815	4120
VXC-S 964	4153	16620	22770	5710	75.0	(2) 37.0	73.2	(2) 5.5	490	300	20015	4120
VXC-S 1010	4352	18505	25035	6690	73.2	(2) 37.0	73.2	(2) 5.5	585	300	22100	4355

* Pan section is the heaviest section.

Technical Data



1. Refrigerant in, 2. Refrigerant out, 3. Make-up, 4. Overflow, 5. Drain, 6. Access

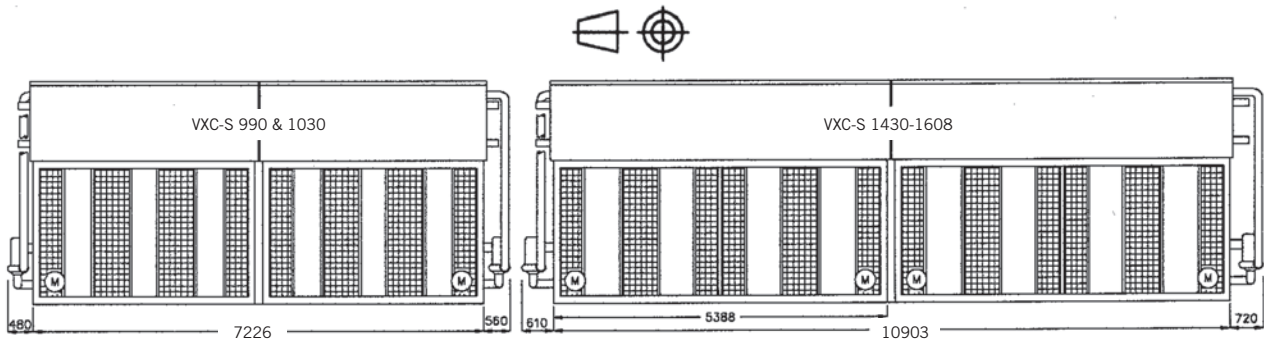
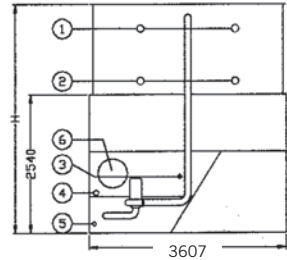
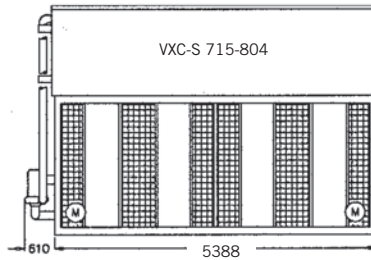
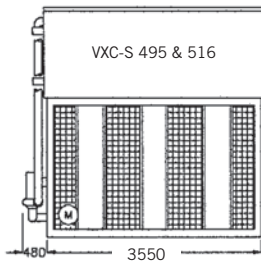


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Technical Data

Model Number VXC-S	Base Heat Rejection (kW)	Weight			Air Flow (m ³ /s)	Fan Motor (kW)	Spray Water Flow (l/s)	Pump Motor (kW)	R-717 Charge (kg)	Remote Sump		H (mm)
		Approx. Shipping (kg)	Approx. Operating (kg)	Heaviest Section (Coil) (kg)						Drain Size Nom. (mm)	Operating Weight (kg)	
VXC-S 357	1538	6870	8910	5250	34.3	22.0	30.8	4.0	181	200	7290	3945
VXC-S 399	1719	7720	9410	5850	31.6	22.0	30.8	4.0	218	200	8190	4180
VXC-S 454	1956	8610	10330	6260	34.4	30.0	30.8	4.0	250	200	9110	4415
VXC-S 562	2422	10100	12600	6920	51.2	(2) 18.5	46.7	5.5	290	250	10770	3945
VXC-S 620	2672	11350	13830	8160	50.0	(2) 18.5	46.7	5.5	349	250	12080	4180
VXC-S 680	2930	12680	15210	9310	52.0	(2) 22.0	46.7	5.5	390	250	13460	4415
VXC-S 714	3076	13740	17050	5250	68.6	(2) 22.0	61.6	(2) 4.0	362	250	14580	3945
VXC-S 798	3438	15440	18830	5850	63.2	(2) 22.0	61.6	(2) 4.0	435	250	16350	4180
VXC-S 908	3912	17200	20640	6260	68.8	(2) 30.0	61.6	(2) 4.0	499	250	18170	4415
VXC-S 1124	4843	20180	24960	6920	102.4	(4) 18.5	93.4	(2) 5.5	581	300	21490	3945
VXC-S 1240	5343	22680	27540	8160	100.1	(4) 18.5	93.4	(2) 5.5	699	300	24070	4180
VXC-S 1360	5862	25320	30310	9310	104.0	(4) 22.0	93.4	(2) 5.5	780	300	26840	4415

Technical Data



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Technical Data

Model Number VXC-S	Base Heat Rejection (kW)	Weight			Air Flow (m ³ /s)	Fan Motor (kW)	Spray Water Flow (l/s)	Pump Motor (kW)	R-717 Charge (kg)	Remote Sump		H (mm)
		Approx. Shipping (kg)	Approx. Operating (kg)	Heaviest Section (Coil) (kg)						Drain Size Nom. (mm)	Operating Weight (kg)	
VXC-S 495	2133	8295	12040	5610	40.0	37.0	36.9	5.5	250	200	9900	4180
VXC-S 516	2223	9170	13030	6550	39.4	37.0	36.9	5.5	297	200	10955	4415
VXC-S 715	3081	11855	17555	8300	56.1	(2) 22.0	52.7	7.5	374	250	14580	4180
VXC-S 772	3326	12035	17735	8300	62.3	(2)30.0	52.7	7.5	374	250	14760	4180
VXC-S 804	3464	13435	19290	9710	60.4	(2) 30.0	52.7	7.5	449	250	16315	4415
VXC-S 990	4265	16520	24185	5610	80.0	(2) 37.0	73.8	(2) 5.5	499	250	20325	4180
VXC-S 1032	4446	18280	26095	6550	78.8	(2) 37.0	73.8	(2) 5.5	594	250	22390	4415
VXC-S 1430	6161	23680	35200	8300	112.2	(4) 22.0	105.4	(2) 7.5	748	300	29180	4180
VXC-S 1544	6652	24040	35560	8300	124.6	(4) 30.0	105.4	(2) 7.5	748	300	29540	4180
VXC-S 1608	6928	26845	38665	9710	120.8	(4) 30.0	105.4	(2) 7.5	898	300	32645	4415



NOTES:

APPLICABLE ON ALL MODELS

1. The standard right hand arrangement as shown has the air inlet side on the right when facing the connection end (for double pump units there is no difference between right and left hand arrangements; make-up connection only at one side). Left hand can be furnished by special order. Water and refrigerant connections are always located on the same end of the unit.
2. Standard refrigerant connection are NB 100 BSP capped and seal welded. For Models VXC-S14 through S28 connection are NB 80 capped and seal welded.
3. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
4. Fan motor sizes shown in the table are for 0 Pa external static pressure (ESP). For additional ESP up to 125 Pa, use next larger motor size.
5. Refrigerant size listed is R717 operating charge. To determine operating charge for R22 refrigerants, multiply by: 1.93 - for R134A, multiply by : 1.98.

Structural Support

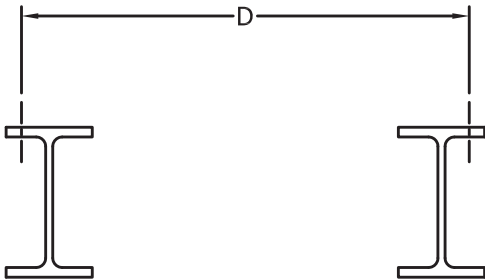
Model Number VXC-S	D (mm)	Max Deflection (mm)	Model Number VXC-S	D (mm)	Max Deflection (mm)
10 - 28	1153	2.4	357 - 454	2934	10
36 - 65	1153	5	562 - 680	2934	13
72 - 97	1153	8	714 - 908	2934	13
110 - 135	1153	10	1124 - 1360	2934	13
150 - 205	1378	10	495 - 516	3537	13
221 - 265	2327	10	715 - 804	3537	13
288 - 350	2327	10	990 - 1032	3537	13
403 - 504	2327	13	1430 - 1608	3537	13
576 - 700	2327	13			
806 - 1010	2327	13			

D: Centre line distance between bolt holes of unit.

D: Distance to a third support beam which is required with the optional sound attenuator package: 905mm.

VIBRATION ISOLATORS

If vibration isolators are used, a rail or channel must be provided between the unit and the isolators to provide stiff and continuous unit support.



BEAM SIZE AND LENGTH

Beam size should be calculated in accordance with accepted structural practice. Use 65% of the operating weight as a uniform load on each beam. The length of the beam must be at least equal to the length of the pan. Maximum permissible beam deflection and centre line distances between bolt holes are tabulated at left.



VXC-S Questions?

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