



XES3E

Open cooling towers

8518,1020-1424

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

Operating weight is for tower with the water level in the cold water basin at overflow. If a lower operating weight is needed to meet design requirements, your local BAC Balticare representative can provide additional assistance.

2. Heights are for units with gear drive, except for models with motors up to and including 18,5 kW which are only available with belt-drive.
3. Models with motors of 22 to 55 kW are shipped an optional gear drive and may have heights up to 190 mm lower than shown.
4. Models with optional Whisper Quiet fan may have heights up to 1000 mm greater than shown.
5. Models with an optional Velocity Recovery Stack can be up to 1500 mm higher
6. Intake attenuators are shipped installed for single cell units. For 2 or more cells, consult factory.
7. Models 1222-10 thru 1222-14 and 1424-12 thru 1424-14 ship in two sections per cell. Top section heights are for models 1222-10 thru 1222-13 and 1424-12 thru 1424-13, 2838 mm. For models 1222-14 and 1424-14, 3245 mm.

Last update: 01/02/2025

XES3E 8518,1020-1424



1. Water in; 2. Overflow ND80; 3. Make up; 4. Water out; 5. Drain ND50; 6. Access door.



Model	Weights (kg)			Dimensions (mm)			Air Flow (m³/s)	Fan Motor (kW)	Fluid Inlet ND (mm)	Fluid Outlet ND (mm)	Make Up ND (mm)
	Oper. Weight (kg)	Ship. Weight(kg)	Heaviest Section (kg)	L	W	H					
XES3E 8518-0 5G/H	6801	3562	3562	2585	5500	2840	22.1	(1x) 2.2	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 5H/H	6805	3567	3567	2585	5500	2840	26.0	(1x) 4.0	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 5J/H	6819	3580	3580	2585	5500	2840	29.5	(1x) 5.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 5K/H	6824	3585	3585	2585	5500	2840	32.2	(1x) 7.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 6G/H	7216	3735	3735	2585	5500	3247	24.2	(1x) 2.2	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 6H/H	7221	3739	3739	2585	5500	3247	28.3	(1x) 4.0	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 6J/H	7234	3753	3753	2585	5500	3247	32.1	(1x) 5.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 6K/H	7239	3757	3757	2585	5500	3247	35.1	(1x) 7.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 7G/H	8248	3907	3907	2585	5500	3653	25.7	(1x) 2.2	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 7H/H	8253	3911	3911	2585	5500	3653	30.0	(1x) 4.0	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 7J/H	8267	3925	3925	2585	5500	3653	34.0	(1x) 5.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 7K/H	8271	3930	3930	2585	5500	3653	37.1	(1x) 7.5	(2x) 150	(1x) 200	(1x) 25
XES3E 8518-0 7L/H	8303	3961	3961	2585	5500	3653	42.0	(1x) 11.0	(2x) 150	(1x) 200	(1x) 25
XES3E 1020-0 6G/H	8627	4273	4273	2980	6110	3247	25.9	(1x) 2.2	(2x) 150	(1x) 200	(1x) 40
XES3E 1020-0 6H/H	8631	4277	4277	2980	6110	3247	30.4	(1x) 4.0	(2x) 150	(1x) 200	(1x) 40
XES3E 1020-0 6J/H	8636	4282	4282	2980	6110	3247	34.4	(1x) 5.5	(2x) 150	(1x) 200	(1x) 40
XES3E 1020-0 6K/H	8640	4286	4286	2980	6110	3247	37.5	(1x) 7.5	(2x) 150	(1x) 200	(1x) 40
XES3E 1020-0 6L/H	8672	4318	4318	2980	6110	3247	42.4	(1x) 11.0	(2x) 150	(1x) 200	(1x) 40
XES3E	9089	4420	4420	2980	6110	3653	27.9	(1x)	(2x)	(1x)	(1x) 40



1020-0 7G/H								2.2	150	250	
XES3E 1020-0 7H/H	9093	4424	4424	2980	6110	3653	32.7	(1x) 4.0	(2x) 150	(1x) 250	(1x) 40
XES3E 1020-0 7J/H	9107	4438	4438	2980	6110	3653	37.0	(1x) 5.5	(2x) 150	(1x) 250	(1x) 40
XES3E 1020-0 7K/H	9112	4442	4442	2980	6110	3653	40.4	(1x) 7.5	(2x) 150	(1x) 250	(1x) 40
XES3E 1020-0 7L/H	9143	4474	4474	2980	6110	3653	45.7	(1x) 11.0	(2x) 150	(1x) 250	(1x) 40
XES3E 1222-0 6H/H	10671	5102	5102	3600	6566	3437	34.7	(1x) 4.0	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 6J/H	10684	5115	5115	3600	6566	3437	39.4	(1x) 5.5	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 6K/H	10689	5120	5120	3600	6566	3437	43.0	(1x) 7.5	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 6L/H	10721	5152	5152	3600	6566	3437	48.6	(1x) 11.0	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 7J/H	11295	5384	5384	3600	6566	3843	42.5	(1x) 5.5	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 7K/H	11299	5389	5389	3600	6566	3843	46.4	(1x) 7.5	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 7L/H	11331	5421	5421	3600	6566	3843	52.5	(1x) 11.0	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-0 7M/H	11340	5430	5430	3600	6566	3843	57.3	(1x) 15.0	(2x) 200	(1x) 250	(1x) 40
XES3E 1222-1 0K/H	15005	6762	3893	3600	6566	4920	56.5	(1x) 7.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 0L/H	15037	6794	3925	3600	6566	4920	63.7	(1x) 11.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 0M/H	15046	6803	3934	3600	6566	4920	69.4	(1x) 15.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 0N/H	15109	6866	3997	3600	6566	4920	74.0	(1x) 18.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 0O/H	15132	6889	4020	3600	6566	5110	78.1	(1x) 22.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 2K/H	16249	7182	3943	3600	6566	5733	60.2	(1x) 7.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 2L/H	16281	7214	3975	3600	6566	5733	67.8	(1x) 11.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1	16290	7223	3984	3600	6566	5733	73.7	(1x) 15.0	(2x) 200	(1x) 300	(1x) 40



2M/H											
XES3E 1222-1 2N/H	16353	7287	4047	3600	6566	5733	78.6	(1x) 18.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 2O/H	16376	7309	4070	3600	6566	5923	82.9	(1x) 22.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 3K/H	16667	7392	3943	3600	6566	6140	61.9	(1x) 7.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 3L/H	16699	7424	3975	3600	6566	6140	69.7	(1x) 11.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 3M/H	16708	7433	3984	3600	6566	6140	75.8	(1x) 15.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 3N/H	16771	7497	4047	3600	6566	6140	80.9	(1x) 18.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 3O/H	16794	7519	4070	3600	6566	6330	85.2	(1x) 22.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 4L/H	16891	7616	4194	3600	6566	6547	72.2	(1x) 11.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 4M/H	16900	7625	4203	3600	6566	6547	78.5	(1x) 15.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 4N/H	16963	7689	4266	3600	6566	6547	83.7	(1x) 18.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1222-1 4O/H	16986	7711	4289	3600	6566	6737	88.2	(1x) 22.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-0 7J/H	15516	7334	7334	4245	7328	3655	47.7	(1x) 5.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-0 7K/H	15520	7339	7339	4245	7328	3655	52.1	(1x) 7.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-0 7L/H	15552	7370	7370	4245	7328	3655	58.9	(1x) 11.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-0 7M/H	15561	7380	7380	4245	7328	3655	64.3	(1x) 15.0	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-0 7N/H	15625	7443	7443	4245	7328	3655	68.8	(1x) 18.5	(2x) 200	(1x) 300	(1x) 40
XES3E 1424-1 2L/H	19987	9628	5209	4245	7328	5923	78.2	(1x) 11.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 2M/H	19996	9637	5218	4245	7328	5923	84.9	(1x) 15.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 2N/H	20059	9701	5282	4245	7328	5923	90.5	(1x) 18.5	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 2O/H	20082	9723	5304	4245	7328	5923	95.3	(1x) 22.0	(2x) 250	(1x) 350	(1x) 50



XES3E 1424-1 2P/H	20146	9787	5368	4245	7328	5923	103.4	(1x) 30.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 3L/H	20613	9805	5209	4245	7328	6330	80.7	(1x) 11.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 3M/H	20622	9814	5218	4245	7328	6330	87.6	(1x) 15.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 3N/H	20685	9878	5282	4245	7328	6330	93.4	(1x) 18.5	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 3O/H	20708	9900	5304	4245	7328	6330	98.3	(1x) 22.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 3P/H	20771	9964	5368	4245	7328	6330	106.6	(1x) 30.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 4M/H	21340	9991	5558	4245	7328	6737	91.0	(1x) 15.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 4N/H	21404	10054	5622	4245	7328	6737	97.0	(1x) 18.5	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 4O/H	21426	10077	5645	4245	7328	6737	102.1	(1x) 22.0	(2x) 250	(1x) 350	(1x) 50
XES3E 1424-1 4P/H	21490	10141	5708	4245	7328	6737	110.7	(1x) 30.0	(2x) 250	(1x) 350	(1x) 50