



S3000D 240L-1301L

Previous generation products

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. 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 representative can provide additional assistance.
2. Heights are for units with belt drive, except for models with motor 55kW and larger where gear drive is standard (= S3-D971L, S3-D 1056L, S3-D11232L, S3-D1213L, S3-D1301L)
3. Models with motors of 22 to 55 kW are shipped an optimal gear drive and may have heights up to 190 mm greater than shown.
4. Models with optional Whisper Quiet Fan may have heights up to 1000 mm greater than shown.
5. Models with an optimal 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.

Last update: 01/08/2024

S3000D 240L-1301L



1. Water in; 2. Overflow ND80; 3. Make up; 4. Water out; 5. Drain ND50; 6. Access door; 7. S3-D728 L thru S3-D1056 L and S3-D1132 L thru S3-D1301 L ship in two sections per cell. The top section is the heaviest and tallest. Top section heights are: S3-D728 L thru S3-D970 L: 3125 mm; S3-D1132 L: 3330 mm; S3-D985 L thru S3-D1056 L: 3533 mm; S3-D1213 L: 3736 mm; S3-D1301 L: 3822 mm.



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					
S3-D 240 JL	6706	3083	3083	2585	5500	2840	25.7	(1x) 5.5	(2x) 150	(1x) 200	(1x) 25
S3-D 240 L	6706	3083	3083	2585	5500	2840	28.1	(1x) 7.5	(2x) 150	(1x) 200	(1x) 25
S3-D 272 L	6765	3142	3142	2585	5500	2840	32.0	(1x) 11.0	(2x) 150	(1x) 200	(1x) 25
S3-D 299 L	6792	3169	3169	2585	5500	2840	35.0	(1x) 15.0	(2x) 150	(1x) 200	(1x) 25
S3-D 333 JL	7151	3296	3296	2585	5500	3247	28.2	(1x) 5.5	(2x) 150	(1x) 200	(1x) 25
S3-D 333 KL	7151	3296	3296	2585	5500	3247	30.9	(1x) 7.5	(2x) 150	(1x) 200	(1x) 25
S3-D 333 L	7151	3296	3296	2585	5500	3247	38.4	(1x) 15.0	(2x) 150	(1x) 200	(1x) 25
S3-D 333 LL	7151	3296	3296	2585	5500	3247	35.1	(1x) 11.0	(2x) 150	(1x) 200	(1x) 25
S3-D 358 L	7164	3310	3310	2585	5500	3247	41.2	(1x) 18.5	(2x) 150	(1x) 200	(1x) 25
S3-D 379 L	7187	3332	3332	2585	5500	3437	43.7	(1x) 22.0	(2x) 150	(1x) 200	(1x) 25
S3-D 412 JL	8435	3823	3823	2980	6110	3247	31.8	(1x) 5.5	(2x) 150	(1x) 200	(1x) 40
S3-D 412 KL	8435	3823	3823	2980	6110	3247	34.8	(1x) 7.5	(2x) 150	(1x) 200	(1x) 40
S3-D 412 L	8435	3823	3823	2980	6110	3247	46.5	(1x) 18.5	(2x) 150	(1x) 200	(1x) 40
S3-D 412 LL	8435	3823	3823	2980	6110	3247	39.6	(1x) 11.0	(2x) 150	(1x) 200	(1x) 40
S3-D 412 ML	8435	3823	3823	2980	6110	3247	43.3	(1x) 15.0	(2x) 150	(1x) 200	(1x) 40
S3-D 436 L	8458	3845	3845	2980	6110	3437	49.2	(1x) 22.0	(2x) 150	(1x) 200	(1x) 40
S3-D 455 KL	8844	3968	3968	2980	6110	3653	37.7	(1x) 7.5	(2x) 150	(1x) 250	(1x) 40
S3-D 455 L	8844	3968	3968	2980	6110	3653	50.3	(1x) 18.5	(2x) 150	(1x) 250	(1x) 40
S3-D 455 LL	8844	3968	3968	2980	6110	3653	42.8	(1x) 11.0	(2x) 150	(1x) 250	(1x) 40
S3-D 455 ML	8844	3968	3968	2980	6110	3653	46.9	(1x) 15.0	(2x) 150	(1x) 250	(1x) 40
S3-D 482 L	8867	3991	3991	2980	6110	3843	53.3	(1x) 22.0	(2x) 150	(1x) 250	(1x) 40
S3-D 527 L	8939	4063	4063	2980	6110	3843	58.4	(1x) 30.0	(2x) 150	(1x) 250	(1x) 40
S3-D 473 KL	10483	4626	4626	3600	6566	3437	39.9	(1x) 7.5	(2x) 200	(1x) 250	(1x) 40
S3-D 473 L	10483	4626	4626	3600	6566	3437	53.3	(1x) 18.5	(2x) 200	(1x) 250	(1x) 40
S3-D 473 LL	10483	4626	4626	3600	6566	3437	45.4	(1x) 11.0	(2x) 200	(1x) 250	(1x) 40
S3-D 473 ML	10483	4626	4626	3600	6566	3437	49.7	(1x) 15.0	(2x) 200	(1x) 250	(1x) 40
S3-D 501 L	10506	4649	4649	3600	6566	3437	56.4	(1x) 22.0	(2x) 200	(1x) 250	(1x) 40
S3-D	11663	4903	4903	3600	6566	3843	61.1	(1x)	(2x)	(1x)	(1x) 40



552 L								22.0	200	250	
S3-D	11663	4903	4903	3600	6566	3843	49.1	(1x)	(2x)	(1x)	(1x) 40
552 LL								11.0	200	250	
S3-D	11663	4903	4903	3600	6566	3843	53.7	(1x)	(2x)	(1x)	(1x) 40
552 ML								15.0	200	250	
S3-D	11663	4903	4903	3600	6566	3843	57.6	(1x)	(2x)	(1x)	(1x) 40
552 NL								18.5	200	250	
S3-D	11736	4976	4976	3600	6566	3843	66.8	(1x)	(2x)	(1x)	(1x) 40
604 L								30.0	200	250	
S3-D	11740	4980	4980	3600	6566	3843	71.7	(1x)	(2x)	(1x)	(1x) 40
648 L								37.0	200	250	
S3-D	12285	5530	5530	3600	6566	3843	74.4	(1x)	(2x)	(1x)	(1x) 40
672 L								45.0	200	250	
S3-D	14555	6251	3959	3600	6566	5110	80.2	(1x)	(2x)	(1x)	(1x) 40
728 L								30.0	200	300	
S3-D	14555	6251	3959	3600	6566	5110	69.2	(1x)	(2x)	(1x)	(1x) 40
728 NL								18.5	200	300	
S3-D	14555	6251	3959	3600	6566	5110	73.2	(1x)	(2x)	(1x)	(1x) 40
728 OL								22.0	200	300	
S3-D	14560	6256	3963	3600	6566	5110	86.0	(1x)	(2x)	(1x)	(1x) 40
781 L								37.0	200	300	
S3-D	14660	6351	4059	3600	6566	5110	91.1	(1x)	(2x)	(1x)	(1x) 40
828 L								45.0	200	300	
S3-D	15904	6583	3995	3600	6566	5923	92.6	(1x)	(2x)	(1x)	(1x) 40
872 L								37.0	200	300	
S3-D	15904	6583	3995	3600	6566	5923	78.9	(1x)	(2x)	(1x)	(1x) 40
872 OL								22.0	200	300	
S3-D	15904	6583	3995	3600	6566	5923	86.4	(1x)	(2x)	(1x)	(1x) 40
872 PL								30.0	200	300	
S3-D	16004	6678	4091	3600	6566	5923	98.1	(1x)	(2x)	(1x)	(1x) 40
923 L								45.0	200	300	
S3-D	16585	7264	4676	3600	6566	5923	103.2	(1x)	(2x)	(1x)	(1x) 40
970 L								55.0	200	300	
S3-D	18269	7064	4295	3600	6566	6737	103.1	(1x)	(2x)	(1x)	(1x) 40
985 L								45.0	200	300	
S3-D	18269	7064	4295	3600	6566	6737	90.7	(1x)	(2x)	(1x)	(1x) 40
985 PL								30.0	200	300	
S3-D	18269	7064	4295	3600	6566	6737	97.3	(1x)	(2x)	(1x)	(1x) 40
985 QL								37.0	200	300	
S3-D	18310	7105	4336	3600	6566	6737	110.6	(1x)	(2x)	(1x)	(1x) 40
1056 L								55.0	200	300	
S3-D	13756	5480	5480	4245	7328	3653	64.5	(1x)	(2x)	(1x)	(1x) 40
583 L								18.5	200	300	
S3-D	13756	5480	5480	4245	7328	3653	60.2	(1x)	(2x)	(1x)	(1x) 40
583 ML								15.0	200	300	
S3-D	13779	5502	5502	4245	7328	3843	68.4	(1x)	(2x)	(1x)	(1x) 40
618 L								22.0	200	300	
S3-D	13852	5575	5575	4245	7328	3843	74.8	(1x)	(2x)	(1x)	(1x) 40
676 L								30.0	200	300	
S3-D	13856	5580	5580	4245	7328	3843	80.3	(1x)	(2x)	(1x)	(1x) 40
725 L								37.0	200	300	
S3-D	18746	7540	4644	4245	7328	5923	120.1	(1x)	(2x)	(1x)	(1x) 50
1132 L								55.0	250	350	
S3-D	18746	7540	4644	4245	7328	5923	98.5	(1x)	(2x)	(1x)	(1x) 50
1132 PL								30.0	250	350	
S3-D	18746	7540	4644	4245	7328	5923	105.7	(1x)	(2x)	(1x)	(1x) 50
1132 QL								37.0	250	350	
S3-D	18746	7540	4644	4245	7328	5923	111.9	(1x)	(2x)	(1x)	(1x) 50
1132								45.0	250	350	



RL											
S3-D 1213 L	20112	7968	4867	4245	7328	6737	126.4	(1x) 55.0	(2x) 250	(1x) 350	(1x) 50
S3-D 1213 QL	20112	7968	4867	4245	7328	6737	111.3	(1x) 37.0	(2x) 250	(1x) 350	(1x) 50
S3-D 1213 RL	20112	7968	4867	4245	7328	6737	117.9	(1x) 45.0	(2x) 250	(1x) 350	(1x) 50
S3-D 1301 L	21151	9007	5906	4245	7328	6737	135.7	(1x) 75.0	(2x) 250	(1x) 350	(1x) 50