



Canarm Ltd. certifies that the SIS Series Fresh Air Unit shown hereon is licensed to bear the AMCA seal. The ratings are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

## SIS SERIES PERFORMANCE DATA

Model SIS-9										1-1/2 HP MAXIMUM 3/4" SHAFT		TIP SPEED = 2.65 x RPM WHEEL DIA. = 10.13"		SOUND POWER re 10 <sup>-12</sup> WATTS														
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	OCTAVE BANDS								LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP			1	2	3	4	5	6	7	8	
400	475	404	0.02	554	0.04	786	0.08	947	0.12	-	-	-	-	-	-	-	-	600	0.25	83	76	66	62	58	55	51	48	63
600	713	449	0.04	577	0.06	785	0.11	964	0.16	1115	0.23	1346	0.36	-	-	-	-	800	0.25	91	88	77	72	70	67	67	63	78
800	951	511	0.07	622	0.10	809	0.15	968	0.21	1108	0.28	1367	0.45	1573	0.62	1743	0.79	-	0.50	93	84	72	65	62	59	56	51	73
1000	1189	584	0.12	681	0.15	847	0.22	994	0.29	1127	0.36	1357	0.52	1572	0.72	1766	0.94	1000	0.25	96	95	86	79	77	74	73	69	84
1200	1427	666	0.19	746	0.23	899	0.30	1032	0.38	1155	0.47	1377	0.65	1570	0.84	1752	1.06	-	0.50	95	94	85	77	75	71	70	65	82
1400	1665	752	0.29	820	0.33	958	0.42	1082	0.51	1195	0.60	1403	0.80	1592	1.01	1761	1.23	-	0.75	97	92	82	73	70	66	63	57	80
1600	1902	840	0.42	901	0.46	1022	0.56	1139	0.66	1245	0.77	1439	0.98	1618	1.21	1784	1.46	1200	0.25	100	100	93	85	83	80	78	76	89
1800	2140	930	0.58	985	0.63	1092	0.73	1200	0.85	1302	0.97	1483	1.20	1652	1.45	-	-	-	0.50	99	99	92	84	81	78	76	73	89
2000	2378	1022	0.78	1072	0.84	1168	0.95	1265	1.08	1362	1.21	1536	1.47	-	-	-	-	-	0.75	99	99	92	83	79	76	74	70	88
2200	2616	1114	1.03	1161	1.09	1248	1.21	1336	1.34	1425	1.48	-	-	-	-	-	-	1.00	99	98	91	82	77	73	70	66	86	
2400	2854	1206	1.32	1250	1.39	-	-	-	-	-	-	-	-	-	-	-	-	1400	1.50	103	103	94	84	78	74	71	68	91

Model SIS-10										1-1/2 HP MAXIMUM 3/4" SHAFT		TIP SPEED = 2.99 X RPM WHEEL DIA. = 11.44"		SOUND POWER re 10 <sup>-12</sup> WATTS														
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	OCTAVE BANDS								LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP			1	2	3	4	5	6	7	8	
800	771	414	0.06	525	0.08	704	0.14	874	0.20	1013	0.27	1229	0.41	1404	0.56	1555	0.72	600	0.25	86	83	70	67	64	61	58	51	72
1000	964	461	0.09	559	0.12	722	0.19	862	0.26	1003	0.34	1241	0.50	1426	0.67	1583	0.85	800	0.25	92	96	80	74	73	70	69	64	83
1200	1157	514	0.14	600	0.18	754	0.26	881	0.34	997	0.42	1231	0.60	1433	0.80	1600	1.00	-	0.50	90	94	79	72	71	67	66	59	81
1400	1350	568	0.20	649	0.25	788	0.34	912	0.44	1020	0.53	1219	0.72	1420	0.94	1600	1.17	1000	0.50	95	99	90	80	78	75	73	69	88
1600	1543	625	0.28	701	0.33	828	0.45	945	0.55	1051	0.66	1234	0.87	1408	1.10	1584	1.34	-	0.75	94	98	89	79	77	73	71	67	86
1800	1736	685	0.39	755	0.44	873	0.57	981	0.69	1083	0.81	1262	1.05	1419	1.29	-	-	1200	1.00	98	101	98	85	81	79	76	73	92
2000	1929	747	0.52	810	0.58	923	0.71	1023	0.85	1118	0.99	1293	1.25	-	-	-	-	1300	1.50	98	101	101	87	82	80	76	74	94
2200	2121	810	0.67	866	0.74	975	0.88	1069	1.04	1158	1.19	1326	1.49	-	-	-	-	1600	2.50	101	104	108	94	86	84	80	79	101
2400	2314	874	0.86	925	0.93	1029	1.09	1118	1.25	1201	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2600	2507	939	1.08	986	1.16	1082	1.32	1170	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Model SIS-12										2 HP MAXIMUM 3/4" SHAFT		TIP SPEED = 3.27 x RPM WHEEL DIA. = 12.50"		SOUND POWER re 10 <sup>-12</sup> WATTS														
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	OCTAVE BANDS								LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP			1	2	3	4	5	6	7	8	
1200	823	384	0.09	477	0.13	637	0.22	780	0.31	900	0.45	1082	0.69	1230	0.93	1358	1.18	500	0.25	75	63	60	57	55	55	47	39	61
1400	960	416	0.13	499	0.17	651	0.28	777	0.36	900	0.51	1098	0.8	1251	1.07	1382	1.35	600	0.25	82	77	72	69	68	67	64	57	74
1600	1097	450	0.18	528	0.23	666	0.34	789	0.42	897	0.57	1104	0.89	1267	1.21	1402	1.53	700	0.25	87	84	78	76	75	74	73	67	81
1800	1234	487	0.24	560	0.3	684	0.41	804	0.49	908	0.67	1101	0.98	1275	1.34	1418	1.71	-	0.50	81	76	68	65	63	62	58	50	69
2000	1371	525	0.32	592	0.38	709	0.5	819	0.58	922	0.79	1100	1.08	1273	1.46	1425	1.87	800	0.25	91	88	83	80	78	78	78	72	85
2200	1508	565	0.41	625	0.48	738	0.62	837	0.68	938	0.92	1111	1.23	1270	1.58	-	-	-	0.50	87	85	77	74	72	71	70	63	79
2400	1646	605	0.51	661	0.59	769	0.74	861	0.80	954	1.06	1126	1.41	1275	1.75	-	-	-	0.75	82	79	69	65	63	61	57	49	70
2600	1783	646	0.64	699	0.72	800	0.89	889	0.94	973	1.21	1142	1.6	1287	1.96	-	-	-	0.25	94	92	87	84	81	82	81	77	89
2800	1920	686	0.78	738	0.87	832	1.05	920	1.10	998	1.4	1156	1.79	-	-	-	-	-	0.50	92	91	84	81	78	78	78	73	86
3000	2057	728	0.95	777	1.05	866	1.24	951	1.27	1027	1.61	-	-	-	-	-	-	-	0.75	88	87	77	74	72	70	69	61	79
3200	2194	769	1.13	817	1.24	900	1.45	982	1.47	1057	1.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3400	2331	811	1.34	857	1.46	936	1.68	1015	1.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3600	2469	852	1.58	898	1.71	974	1.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	2606	895	1.84	938	1.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts calculated per AMCA Standard 301. The A-weighted sound ratings have been calculated per AMCA Standard 301. Values shown are for outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction. Power rating (BHP) does not include transmission losses. Performance shown is for installation type B-Free Inlet, Ducted Outlet. Performance ratings include the effects of filters in the air stream.

SI CONVERSION  
 SP x .249 = kPa  
 CFM x .472 = L/s



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# SIS SERIES PERFORMANCE DATA

Model SIS-15												SOUND POWER re 10-12 WATTS																
3 HP MAXIMUM												OCTAVE BANDS																
1" SHAFT												TIP SPEED = 3.99 x RPM																
WHEEL DIA. = 15.25"																												
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	1	2	3	4	5	6	7	8	LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP											
1000	487	280	0.05	375	0.09	525	0.17	636	0.26	729	0.35	882	0.54	1009	0.76	1121	1	400	0.25	76	71	68	67	66	65	59	57	71
1500	730	320	0.1	401	0.15	534	0.25	647	0.38	745	0.52	903	0.78	1034	1.05	1149	1.32	450	0.25	80	75	72	71	71	69	65	63	73
2000	974	372	0.19	441	0.24	560	0.38	660	0.52	751	0.67	915	1.03	1051	1.38	1168	1.73	500	0.25	84	80	75	74	74	73	70	67	76
2500	1217	431	0.32	490	0.39	596	0.54	689	0.72	772	0.89	921	1.26	1058	1.69	1180	2.15	550	0.25	87	83	78	77	77	76	73	70	82
3000	1461	494	0.51	546	0.61	640	0.78	725	0.96	803	1.17	943	1.6	1068	2.03	1186	2.53	600	0.25	84	80	75	73	73	71	68	65	74
3500	1704	559	0.78	606	0.89	690	1.09	768	1.29	841	1.5	972	1.99	1091	2.49	1199	3	650	0.25	89	85	80	79	79	78	75	72	84
4000	1948	626	1.12	668	1.25	745	1.49	815	1.71	883	1.95	1007	2.45					700	0.50	87	84	78	77	77	75	72	69	81
4500	2191	694	1.57	733	1.7	803	1.98	868	2.24	930	2.49							650	0.25	91	88	82	81	81	80	78	74	86
5000	2435	762	2.11	798	2.26	863	2.57	924	2.87									700	0.50	90	87	81	79	79	78	76	73	83
5500	2678	831	2.78	864	2.94													750	0.25	86	84	77	76	75	73	71	67	78
6000	2922																	700	0.50	84	80	84	82	82	82	80	76	88
6500	3165																	750	0.50	92	90	83	82	82	81	79	76	85
7000	3409																	750	0.25	90	88	82	80	79	78	76	73	85
7500	3652																	800	0.50	93	91	84	82	82	81	79	74	86
8000	3896																	800	1.00	90	88	81	79	78	76	75	68	82
																		900	1.00	93	91	86	83	82	81	80	74	88
																		900	1.50	92	92	86	82	81	79	78	72	86

Model SIS-18												SOUND POWER re 10-12 WATTS																
5 HP MAXIMUM												OCTAVE BANDS																
1" SHAFT												TIP SPEED = 4.76 x RPM																
WHEEL DIA. = 18.19"																												
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	1	2	3	4	5	6	7	8	LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP											
3000	1046	275	0.26	334	0.37	435	0.59	551	0.97	634	1.26	762	1.77	866	2.32	958	2.92	400	0.25	82	78	76	75	74	71	66	61	77
3250	1133	288	0.32	345	0.42	438	0.66	545	1.02	637	1.39	768	1.96	874	2.53	966	3.14	450	0.25	87	82	79	79	78	76	71	67	83
3500	1220	301	0.38	355	0.49	445	0.74	536	1.05	636	1.50	774	2.17	881	2.76	973	3.39	500	0.50	81	77	74	72	70	69	63	57	74
3750	1307	315	0.45	366	0.56	454	0.84	533	1.11	629	1.57	778	2.37	887	3.02	980	3.66	550	0.25	91	85	82	82	81	80	75	70	85
4000	1395	329	0.54	378	0.65	464	0.93	537	1.22	620	1.60	780	2.57	893	3.29	987	3.97	600	0.50	87	83	80	78	77	76	71	65	77
4250	1482	344	0.63	390	0.74	473	1.04	544	1.35	615	1.67	779	2.74	897	3.56	993	4.29	650	0.25	94	89	85	84	84	83	79	73	88
4500	1569	359	0.73	402	0.85	484	1.15	553	1.49	617	1.80	774	2.85	900	3.83	999	4.63	700	0.50	90	86	83	81	81	80	75	70	85
4750	1656	374	0.84	415	0.97	494	1.27	562	1.63	624	1.96	765	2.91	901	4.08	1003	4.98	750	0.25	86	82	80	76	75	75	69	62	79
5000	1743	389	0.97	428	1.11	505	1.40	572	1.78	632	2.14	757	2.97	899	4.28			800	0.25	87	82	88	86	86	85	81	76	90
5250	1830	405	1.11	442	1.25	516	1.55	582	1.93	641	2.33	754	3.10	892	4.41			650	0.50	93	90	86	84	84	83	79	74	87
5500	1918	421	1.26	456	1.41	527	1.72	592	2.10	650	2.52	756	3.29	883	4.48			700	0.25	90	87	84	81	80	80	75	69	81
5750	2005	437	1.42	471	1.58	539	1.90	602	2.28	660	2.72	762	3.53	874	4.57			650	0.50	96	93	89	87	86	86	82	77	92
6000	2092	453	1.60	485	1.77	551	2.10	613	2.47	669	2.92	770	3.79	870	4.72			700	0.25	93	91	87	85	84	83	80	74	89
6250	2179	469	1.79	500	1.97	563	2.31	624	2.69	679	3.14	778	4.07	872	4.96			750	0.50	90	88	84	81	80	79	75	69	83
6500	2266	485	2.00	515	2.18	576	2.54	635	2.92	690	3.37	787	4.36					800	0.25	95	94	90	87	87	86	83	78	91
6750	2354	502	2.23	531	2.42	589	2.79	646	3.17	700	3.62	797	4.65					850	0.50	93	92	88	86	84	84	80	74	85
7000	2441	518	2.47	546	2.67	602	3.05	658	3.44	711	3.89	806	4.94					900	1.00	93	93	89	87	85	84	82	75	89
7250	2528	535	2.73	562	2.93	616	3.33	670	3.74	722	4.18							900	0.25	95	96	92	89	87	85	84	78	92
7500	2615	551	3.00	578	3.22	630	3.63	682	4.05	733	4.49							1000	0.25	96	99	95	92	89	88	87	81	94
7750	2702	568	3.30	593	3.52	644	3.95	694	4.38	744	4.82																	
8000	2790	585	3.61	609	3.84	658	4.28	707	4.72																			
8250	2877	601	3.95	625	4.18	673	4.64																					
8500	2964	618	4.30	642	4.55																							

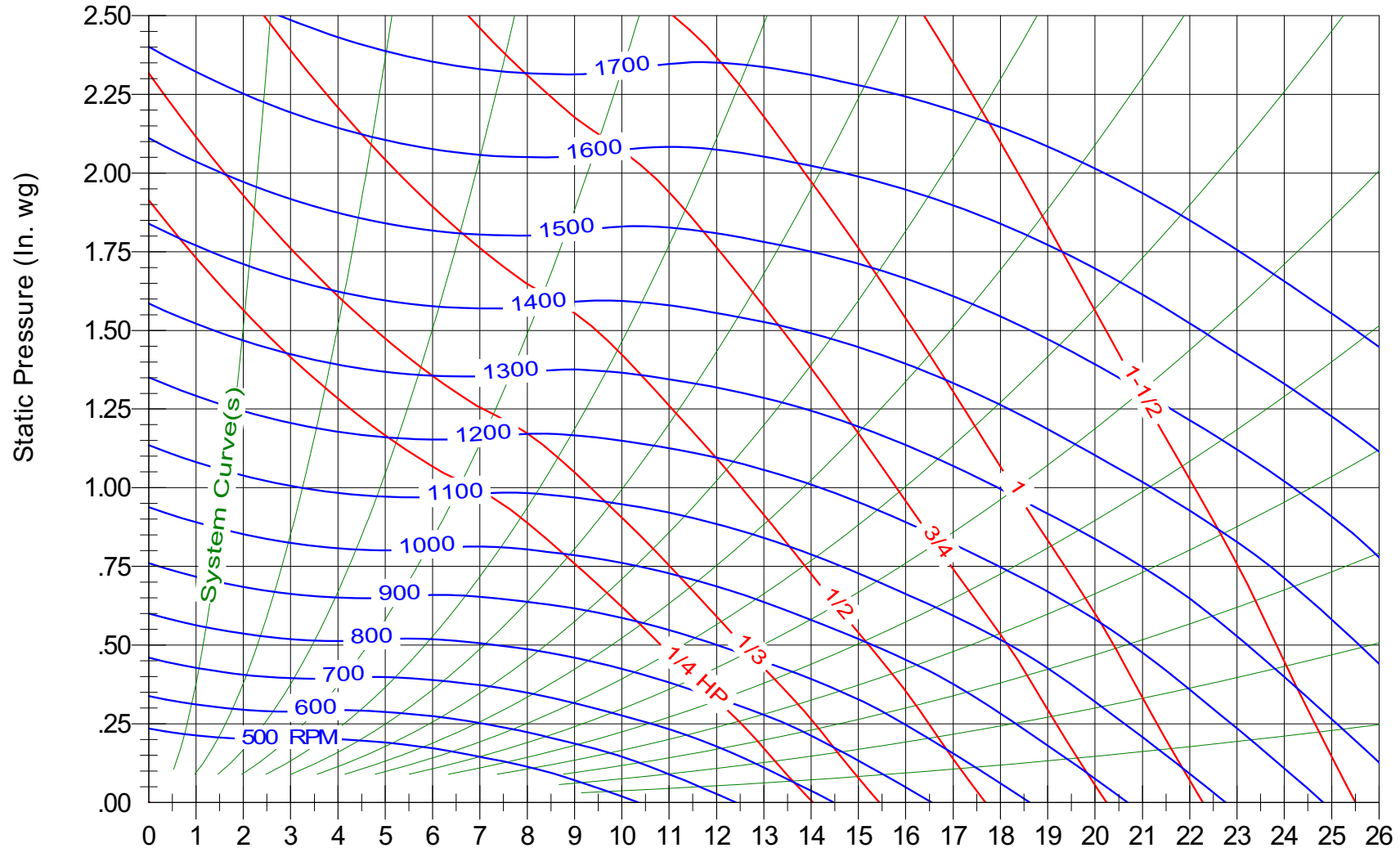
Model SIS-20												SOUND POWER re 10 <sup>-12</sup> WATTS																
10 HP MAXIMUM												OCTAVE BANDS																
1-3/16" SHAFT												TIP SPEED = 5.35 X RPM																
WHEEL DIA. = 20.44"																												
CFM	OUTLET VELOCITY FPM	1/8" SP		1/4" SP		1/2" SP		3/4" SP		1" SP		1-1/2" SP		2" SP		2-1/2" SP		RPM	SP	1	2	3	4	5	6	7	8	LwoA
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP											
5000	1175	331	0.69	374	0.85	443	1.17	513	1.53	581	1.92	701	2.80	797	3.66	879	4.50	400	0.25	80	77	77	76	75	70	64	58	79
5500	1292	354	0.88	396	1.06	461	1.41	524	1.78	587	2.19	706	3.12	806	4.08	890	5.02	500	0.25	88	84	83	83	82	79	73	67	86
6000	1410	379	1.11	419	1.31	482	1.69	539	2.08	597	2.50	710	3.45	812	4.50	899	5.55	600	0.5	86	82	81	80	78	75	68	61	83
6500	1528	404	1.38	441	1.58	503	2.00	556	2.42	610	2.85	716	3.82	816	4.92	905	6.07	600	0.25	94	89	87	88	87	85	79	74	91
7000	1645	430	1.69	464	1.90	526	2.36	576	2.80	625	3.26	724	4.25	821	5.38	910	6.60	650	0.5	93	87	86	86	85	83	77	71	89
7500	1763	456	2.05	488	2.27	548	2.76	597	3.24	642	3.72	735	4.74	827	5.88	915	7.14	700	0.75	92	86	84	84	82	80	74	67	87
8000	1880	483	2.45	512	2.69	571	3.21	618	3.72	662	4.23	748	5.29	835	6.45	920	7.72	750	1	91	84	83	82	79	77	70	62	85
8500	1998	510	2.91	537	3.15	593	3.71	641	4.26	682	4.79	763	5.90	845	7.08	926	8.37	800	0.25	100	93	91	92	9				

# Model SIS-9

Max Wheel RPM 2800  
 Shaft Diameter, In. 3/4"  
 Max HP 1-1/2



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The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts calculated per AMCA Standard 301. The A-weighted sound ratings have been calculated per AMCA Standard 301. Values shown are for outlet LwoA sound power levels for Installation Type B: free inlet, ducted outlet. Ratings include the effects of duct end correction. Power rating (BHP) does not include transmission losses. Performance shown is for installation type B-Free Inlet, Ducted Outlet. Performance ratings include the effects of filters in the air stream.

# Model

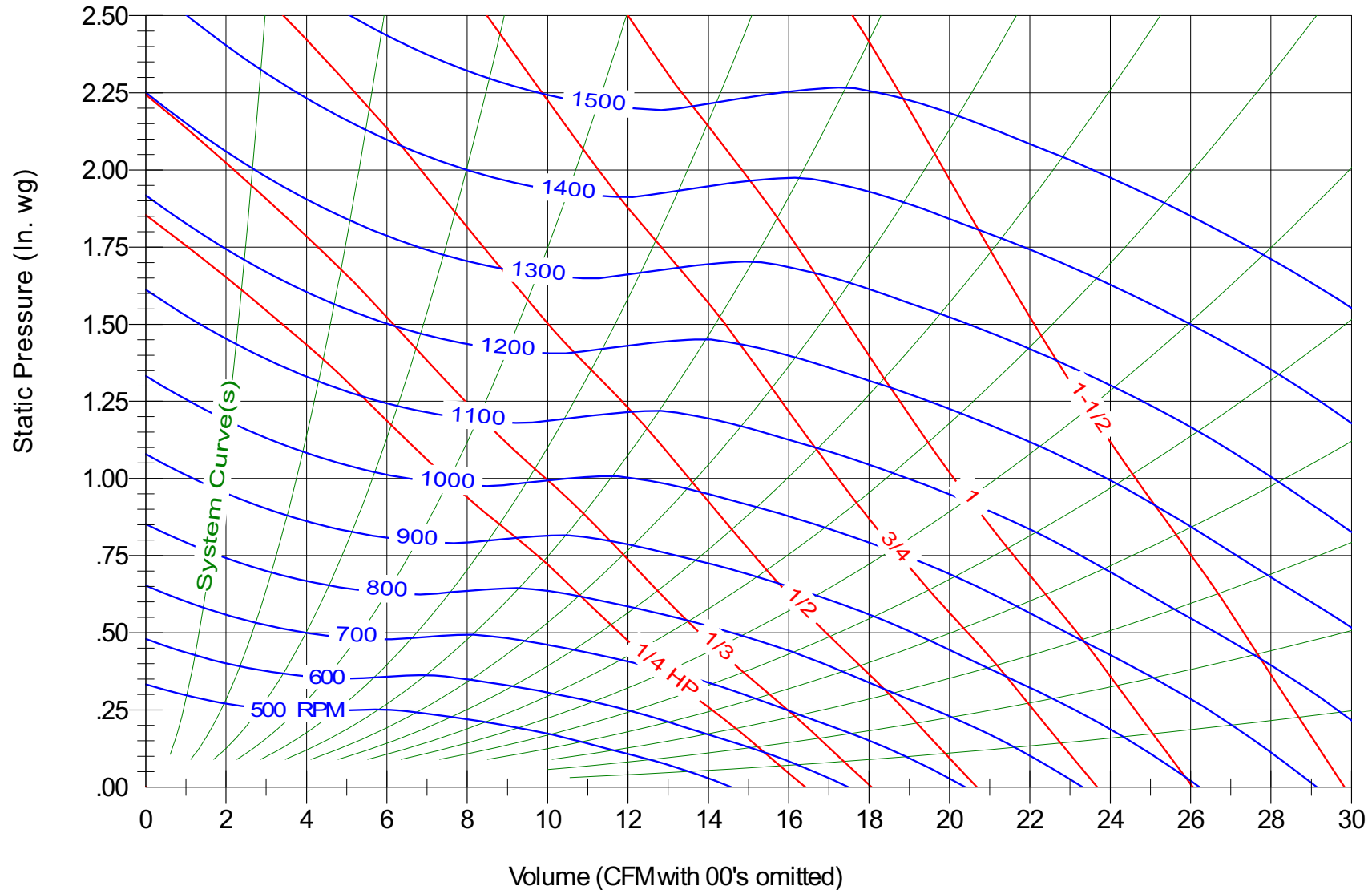
# SIS-10



Canarm Ltd. certifies that the SIS Series Fresh Air Supply Units shown herein are licenced to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Ratings Programme. Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating bhp does not include transmission losses. Performance ratings include the effects of filters, but do not include the effects of other appurtenances (accessories). For certified sound ratings refer to Delhi Catalogue #SS-32.



Max Wheel RPM 2500  
Shaft Diameter, In. 3/4"  
Max HP 1-1/2





# Model

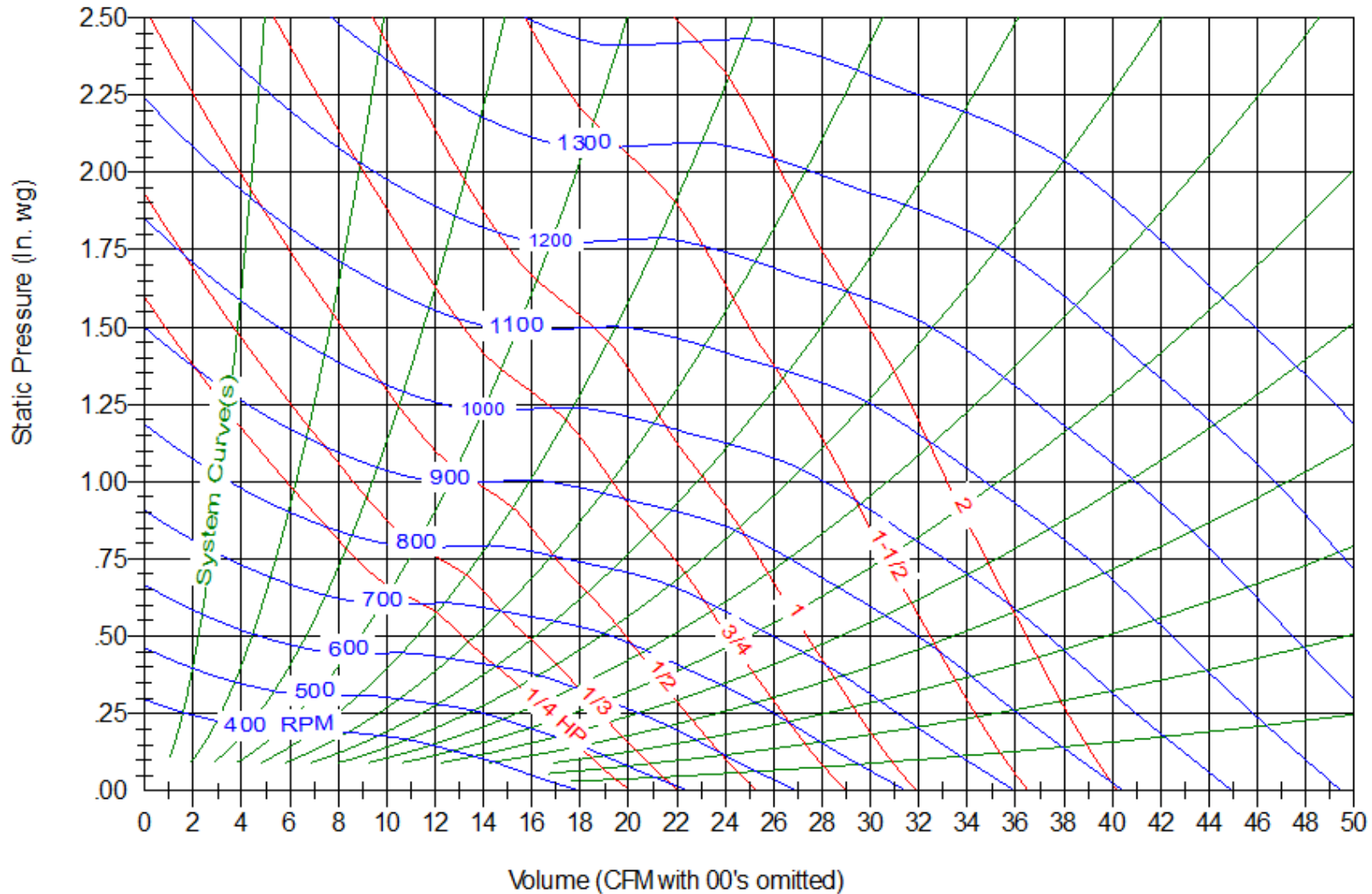
# SIS-12



Canarm Ltd. certifies that the SIS Series Fresh Air Supply Units shown herein are licenced to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Ratings Programme. Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating bhp does not include transmission losses. Performance ratings include the effects of filters, but do not include the effects of other appurtenances (accessories). For certified sound ratings refer to Delhi Catalogue #SS-32.



Max Wheel RPM 2140  
Shaft Diameter, In. 3/4"  
Max HP 2



# Model

# SIS-15



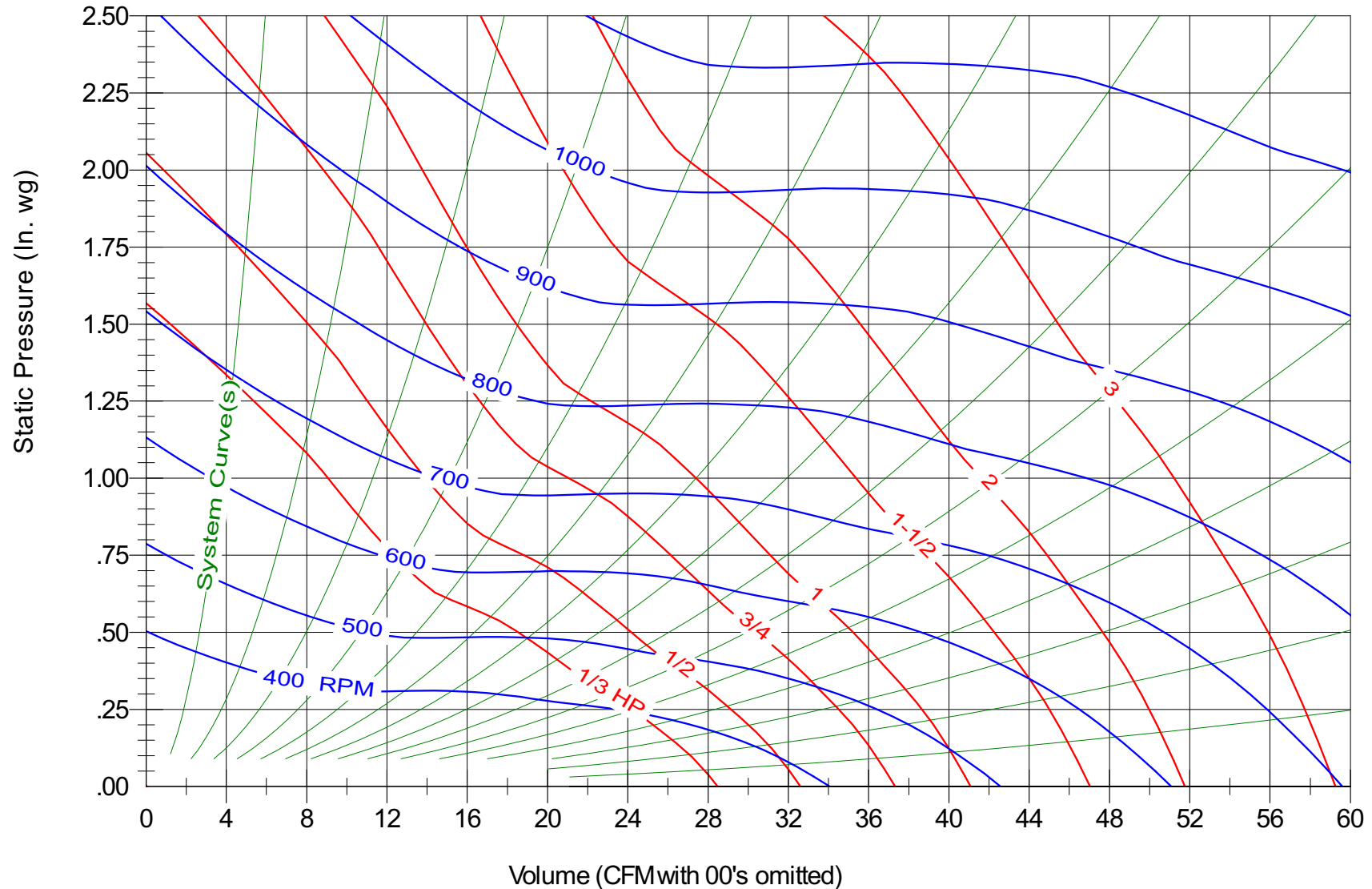
Canarm Ltd. certifies that the SIS Series Fresh Air Supply Units shown herein are licenced to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Ratings Programme. Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating bhp does not include transmission losses. Performance ratings include the effects of filters, but do not include the effects of other appurtenances (accessories). For certified sound ratings refer to Delhi Catalogue #SS-32.



Max Wheel RPM 1800  
Shaft Diameter, In. 1"  
Max HP 3



Platinum member





**Model SIS-20**  
 Max Wheel RPM 1325  
 Shaft Diameter, In. 1-3/16"  
 Max HP 10



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