



Upblast Spun Aluminum Exhausters

SDUB Direct & SBRM Belt Drive Series



Canarm certifies that the SBRM & SDUB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

WARRANTY

Canarm Air Moving Products are guaranteed for a period of one year against manufacturing defects in material and workmanship when operating under normal conditions. Liability is limited to the replacement of defective parts. Labour and transportation costs are not included.

If a replacement is warranted the following MUST be provided:

1. Model of equipment
2. Date of manufacture
3. Original invoice reference number(s)

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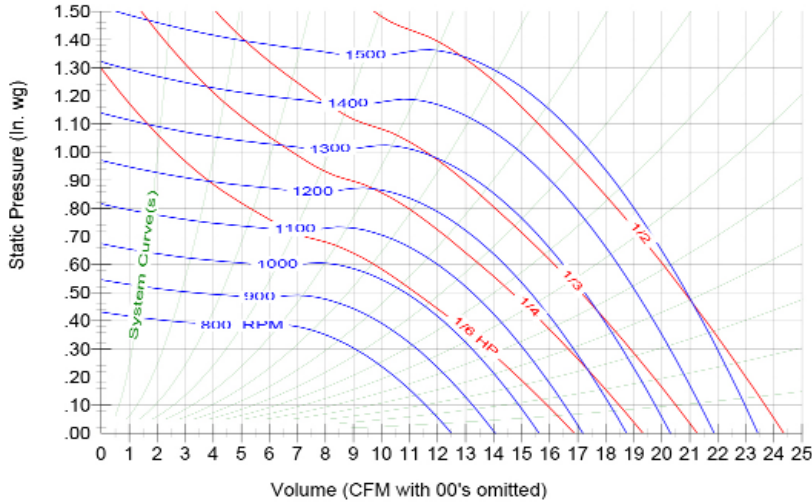
SBRM-13

Max RPM - 1530

Motor:

Max HP - 1/2
Max Frame - 56T

CFM	Static Pressure in Inches W.G.																	
	0" SP			0.25" SP			0.5" SP			0.75" SP			1" SP			1.25" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
1400	896	7.2	0.09	1017	9.1	0.16	1135	11.5	0.23	1252	12.1	0.31	1367	14.4	0.4	1480	15.7	0.5
1600	1024	9.9	0.14	1131	11.9	0.21	1235	13.9	0.29	1338	14.9	0.38	1439	15.8	0.48	--	--	--
1800	1152	13.1	0.2	1247	14.6	0.28	1340	15.4	0.37	1432	16.6	0.46	--	--	--	--	--	--
2000	1280	14.8	0.28	1366	17.1	0.36	1450	17.9	0.46	--	--	--	--	--	--	--	--	--
2200	1408	18.7	0.37	1486	19.4	0.46	--	--	--	--	--	--	--	--	--	--	--	--
2400	1536	21	0.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Power rating BHP does not include transmission losses.
Performance shown is for installation Type A; Free Inlet, Free Outlet.
Performance ratings do not include the effects of appurtenances (accessories).

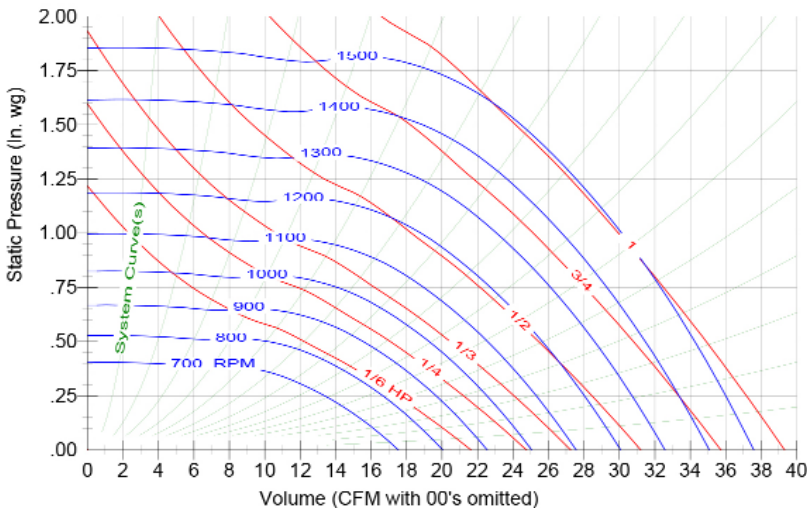
SBRM-15

Max RPM - 1520

Motor:

Max HP - 1
Max Frame - 145T

CFM	Static Pressure in Inches W.G.																										
	0" SP			0.25" SP			0.5" SP			0.75" SP			1" SP			1.25" SP			1.5" SP			1.75" SP			2" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
1600	700	7.1	0.09	779	7.8	0.14	911	9.4	0.23	1034	9.6	0.32	1151	12.6	0.43	1263	14.7	0.55	1371	15.3	0.69	1475	16.3	0.83	1573	17.6	0.99
1800	719	8.1	0.1	844	9.6	0.18	964	10.8	0.27	1125	10.8	0.37	1184	12.5	0.49	1288	14.8	0.61	1389	15.4	0.74	1486	16.5	0.89	--	--	--
2000	798	9.1	0.13	912	10.9	0.22	1021	10.2	0.32	1125	13.2	0.43	1225	13.6	0.55	1322	14.9	0.67	1415	15.6	0.81	1507	16.7	0.96	--	--	--
2200	878	10.2	0.18	981	12.2	0.27	1083	12.6	0.38	1180	14	0.5	1272	15.9	0.62	1362	15.8	0.75	1449	16	0.89	--	--	--	--	--	
2400	958	11.6	0.23	1053	12.4	0.33	1146	14.3	0.45	1236	15.4	0.57	1324	17.5	0.7	1408	17.3	0.84	1490	17.1	0.98	--	--	--	--	--	
2600	1038	12	0.29	1125	14.3	0.4	1212	15.1	0.52	1297	17.5	0.66	1379	18.6	0.79	1458	19.6	0.94	--	--	--	--	--	--	--	--	
2800	1118	14.1	0.36	1198	15.5	0.48	1280	18.1	0.61	1359	18.7	0.75	1436	19.7	0.89	--	--	--	--	--	--	--	--	--	--	--	
3000	1198	15.5	0.44	1273	19.1	0.57	1349	19.7	0.71	1424	20	0.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3200	1277	19.4	0.54	1348	21	0.67	1419	21	0.82	1490	22	0.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3400	1357	21	0.65	1423	22	0.79	1491	23	0.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3600	1437	22	0.77	1499	24	0.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3800	1516	24	0.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	



SI CONVERSION FACTOR:
CFM x 0.472 = L/s SP x 0.249 = kPa

Power rating BHP does not include transmission losses.
Performance shown is for installation Type A; Free Inlet, Free Outlet.
Performance ratings do not include the effects of appurtenances (accessories).

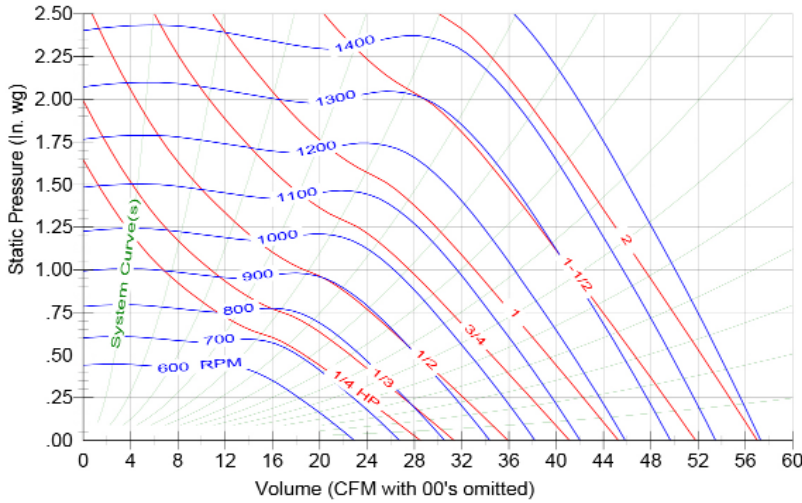


SBRM-18

Max RPM - 1440

Motor:
Max HP - 2
Max Frame - 145T

CFM	Static Pressure in Inches W.G.																										
	0" SP			0.25" SP			0.5" SP			0.75" SP			1" SP			1.25" SP			1.5" SP			1.75" SP			2" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
2000	524	4.2	0.09	638	6	0.18	733	7.7	0.28	822	9	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2500	655	7.4	0.17	750	9.5	0.28	833	10.3	0.4	907	11	0.52	978	11.6	0.66	1047	12.1	0.8	1127	13.8	0.98	--	--	--	--	--	
3000	786	11.2	0.29	866	12.2	0.42	940	12.8	0.56	1007	13	0.7	1069	12.5	0.85	1129	13.8	1.01	1188	15	1.17	1248	16.1	1.35	1310	17.3	1.55
3500	916	13.9	0.46	986	14.8	0.61	1052	14.6	0.77	1113	15.1	0.94	1170	16.4	1.1	1224	17.6	1.27	1276	18	1.45	1327	18.5	1.64	1377	19	1.83
4000	1047	15.6	0.69	1108	17.1	0.86	1168	17.7	1.04	1224	19.4	1.23	1276	20	1.41	1326	20	1.6	1374	21	1.8	1420	21	2	--	--	--
4500	1178	19	0.98	1232	21	1.18	1286	22	1.38	1337	22	1.58	1386	23	1.79	1433	24	2	--	--	--	--	--	--	--	--	--
5000	1309	24	1.35	1358	24	1.56	1406	25	1.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5500	1440	27	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



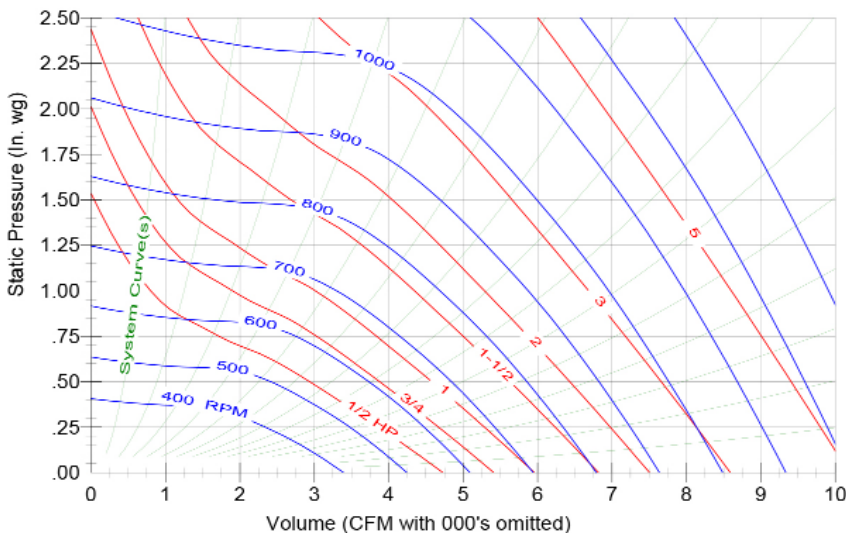
Power rating BHP does not include transmission losses.
Performance shown is for installation Type A; Free Inlet, Free Outlet.
Performance ratings do not include the effects of appurtenances (accessories).

SBRM-24

Max RPM - 1240

Motor:
Max HP - 5
Max Frame - 182T

CFM	Static Pressure in Inches W.G.																										
	0" SP			0.25" SP			0.5" SP			0.75" SP			1" SP			1.25" SP			1.5" SP			1.75" SP			2" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
3500	413	6.4	0.2	502	8.2	0.41	581	9.3	0.64	650	11.5	0.89	712	13.4	1.15	--	--	--	--	--	--	--	--	--	--	--	--
4500	530	9.6	0.43	602	11.3	0.69	668	12.9	0.97	729	13.8	1.26	785	14.9	1.57	838	15.8	1.9	887	16.8	2.24	933	18.1	2.59	--	--	--
5500	648	13.4	0.79	708	14.7	1.1	764	16	1.43	817	16.3	1.77	868	17.3	2.13	915	17.5	2.5	961	19.1	2.88	1004	21	3.28	1045	23	3.68
6500	766	17	1.3	818	18	1.67	866	18.1	2.05	912	19.2	2.44	957	19.4	2.85	1000	21	3.27	1042	23	3.7	1083	24	4.14	1121	26	4.59
7500	884	19.8	2	930	22	2.42	972	22	2.85	1013	23	3.29	1053	25	3.75	1092	27	4.22	1130	27	4.7	--	--	--	--	--	--
8500	1002	25	2.91	1042	27	3.39	1081	28	3.87	1117	29	4.37	1153	31	4.87	--	--	--	--	--	--	--	--	--	--	--	--
9500	1119	32	4.06	1156	35	4.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Power rating BHP does not include transmission losses.
Performance shown is for installation Type A; Free Inlet, Free Outlet.
Performance ratings do not include the effects of appurtenances (accessories).



SBRM-30

Max RPM - 860

Motor:
Max HP - 5
Max Frame - 182T

CFM	Static Pressure in Inches W.G.																																	
	0" SP			0.25" SP			0.5" SP			0.75" SP			1" SP			1.25" SP			1.5" SP			1.75" SP			2" SP			2.25" SP			2.5" SP			
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	
6000	446	9.5	0.56	503	11.2	0.89	557	0.89	1.27	606	12.6	1.67	652	13.6	2.08	696	14.8	2.5	738	15.9	2.94	781	17	3.4	822	18.3	3.88	863	19.4	4.41	905	21	4.96	
7000	520	13.2	0.89	569	13.7	1.26	617	13.8	1.69	662	15.2	2.15	703	15.9	2.61	743	16.1	3.09	782	17.1	3.57	819	19.1	4.06	855	19.8	4.57	--	--	--	--	--	--	
8000	594	14.6	1.32	637	16.3	1.73	680	17	2.21	721	17	2.73	759	18.2	3.25	796	19.3	3.78	831	21	4.32	865	21	4.86	--	--	--	--	--	--	--	--	--	
9000	669	17.4	1.88	707	18.9	2.33	745	20	2.86	782	19	3.42	818	22	4	852	23	4.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10000	743	20	2.58	777	22	3.07	812	23	3.64	846	24	4.25	879	25	4.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11000	817	26	3.44	848	26	3.97	880	27	4.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
12000	891	29	4.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





How to Select a Direct Drive Blower

1. Locate your system characteristics (CFM & SP) on the chart with the blower performance curves.
2. Move up the system curve to intersect the closest blower performance curve. That is the performance (CFM & SP) that the blower will provide at full speed.
3. Note the CFM.
4. The speed reduction required to operate at the desired CFM is 1 less the ratio of the full speed CFM to the desired CFM.

Example: Required 1000 CFM @ 0.375 in. W.G. (ref. SDUB-12 to SDUB-30 curves)

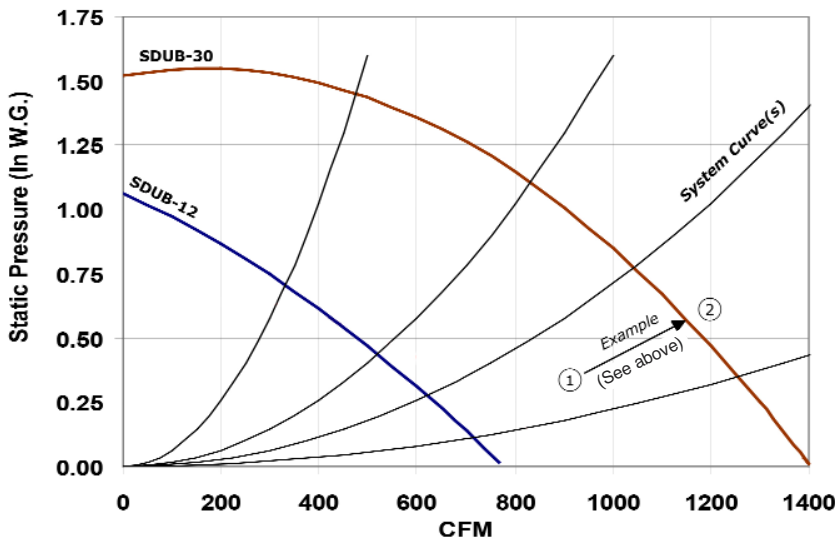
1. Locate 1000 CFM @ 0.375 in. W.G. on the chart (pt. 1).
2. Move up the chart, parallel to the system curves (follow the arrow), to intersect the 1st blower curve (SDUB-30). The intersection point, (pt. 2), 1175 cfm @ 0.54 in W.G. is the performance that the SDUB-30 will deliver at full RPM.
3. To deliver the desired 1000 CFM, using the speed controller, reduce the RPM to attain the required 1000 CFM. In this case, the required reduction is $1 - (\text{required CFM} / \text{full speed CFM}) = 1 - (1000/1175) = 15\%$.

SDUB-12

Max RPM - 1550

Motor: 1/7 HP

CFM	Static Pressure in Inches W.G.																	
	0" SP			0.125" SP			0.25" SP			0.375" SP			0.5" SP			0.625" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
300	637	1.1	0.01	896	3	0.03	1095	4.6	0.06	1261	6.2	0.08	1402	7.9	0.12	1523	9.4	0.15
400	849	2.6	0.03	1055	4.2	0.05	1231	5.9	0.08	1384	7.6	0.11	1521	9.4	0.15	--	--	--
500	1059	4.2	0.05	1232	5.9	0.08	1385	7.7	0.11	1524	9.4	0.15	--	--	--	--	--	--
600	1271	6.3	0.09	1418	8.1	0.12	1550	9.7	0.16	--	--	--	--	--	--	--	--	--
700	1483	9	0.14	1613	10.3	0.18	--	--	--	--	--	--	--	--	--	--	--	--



Power rating BHP does not include transmission losses.
 Performance shown is for installation Type A; Free Inlet, Free Outlet.
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SDUB-30

Max RPM - 1625

Motor: 1/4 HP

CFM	Static Pressure in Inches W.G.																										
	0" SP			0.125" SP			0.25" SP			0.375" SP			0.5" SP			0.625" SP			0.75" SP			1" SP			1.25" SP		
	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP	RPM	SONE	BHP
825	640	3.9	0.03	520	3.9	0.03	355	3.9	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
925	717	4.8	0.05	612	4.8	0.05	482	4.8	0.05	319	4.8	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1025	795	5.8	0.06	700	5.8	0.06	593	5.8	0.06	454	5.8	0.06	307	5.8	0.04	--	--	--	--	--	--	--	--	--	--	--	--
1125	873	6.8	0.08	787	6.8	0.08	695	6.8	0.08	581	6.8	0.08	447	6.8	0.08	312	6.8	0.04	--	--	--	--	--	--	--	--	--
1225	950	8	0.11	872	8	0.11	789	8	0.11	694	8	0.11	578	8	0.11	455	8	0.09	331	8	0.05	--	--	--	--	--	--
1325	1028	9.2	0.14	955	9.2	0.14	880	9.2	0.14	798	9.2	0.14	703	9.2	0.14	589	9.2	0.14	475	9.2	0.11	--	--	--	--	--	--
1425	1105	10.7	0.17	1038	10.7	0.17	969	10.7	0.17	897	10.7	0.17	812	10.7	0.17	716	10.7	0.17	610	10.7	0.17	398	10.7	0.08	--	--	--
1525	1183	12.2	0.21	1120	12.2	0.21	1056	12.2	0.21	990	12.2	0.21	916	12.2	0.21	834	12.2	0.21	739	12.2	0.21	541	12.2	0.16	343	12.2	0.06



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