

DELTA
SDUB & SBRM Series

***Upblast Spun
Aluminum Exhausters***
SDUB Direct & SBRM Belt Drive Series



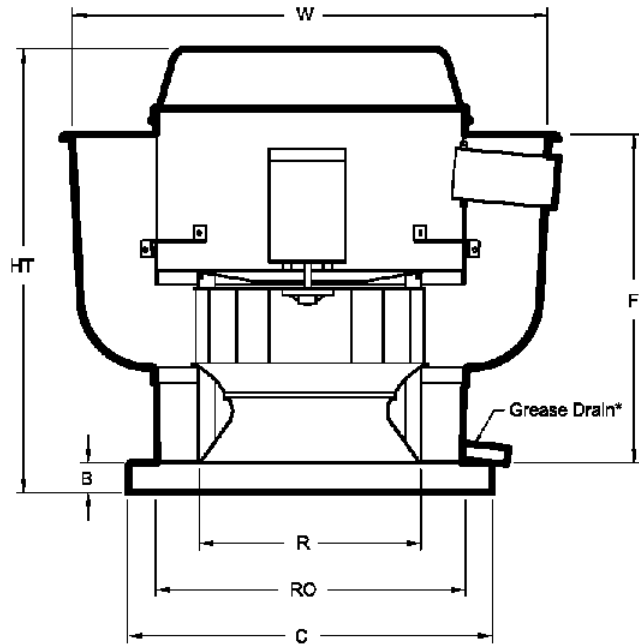
Providers of Air Movement Solutions



SDUB Series - Direct Drive Exhausters

Features

- Heavy duty construction, durable and weather resistant
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum
- Wall mount applications; units up to 24" nominal wheel can be wall mounted
- Base Hinging Kit or Hinged Sub Base
- Variable speed motor control
- External disconnect switch
- Fully welded leak proof grease drain
- Quick release latches for easy motor access
- Optional grease collection box
- ETL listed for compliance with UL 705 & UL 762 standards



Dimensions (inches)

Model	Wheel Dia.	HT	W	B	C	R	RO	Shaft Dia.	Motor HP	Wt. (lbs.)
SDUB-12	10-1/2	18	22	2	19	10-5/8	15-1/2	--	0.14	40
SDUB-25	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	--	0.25	50
SDUB-30	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	--	0.25	50
SDUB-33	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	--	0.33	50
SDUB-50	13-3/4	26-3/4	28-7/8	1-1/2	21	13-1/4	17-1/2	--	0.50	55
SDUB-75	15-3/4	30-1/2	31-7/8	2	24-3/4	14-7/8	21	--	0.75	60
SDUB-85	15-3/4	30-1/2	31-7/8	2	24-3/4	14-7/8	21	--	0.75	60

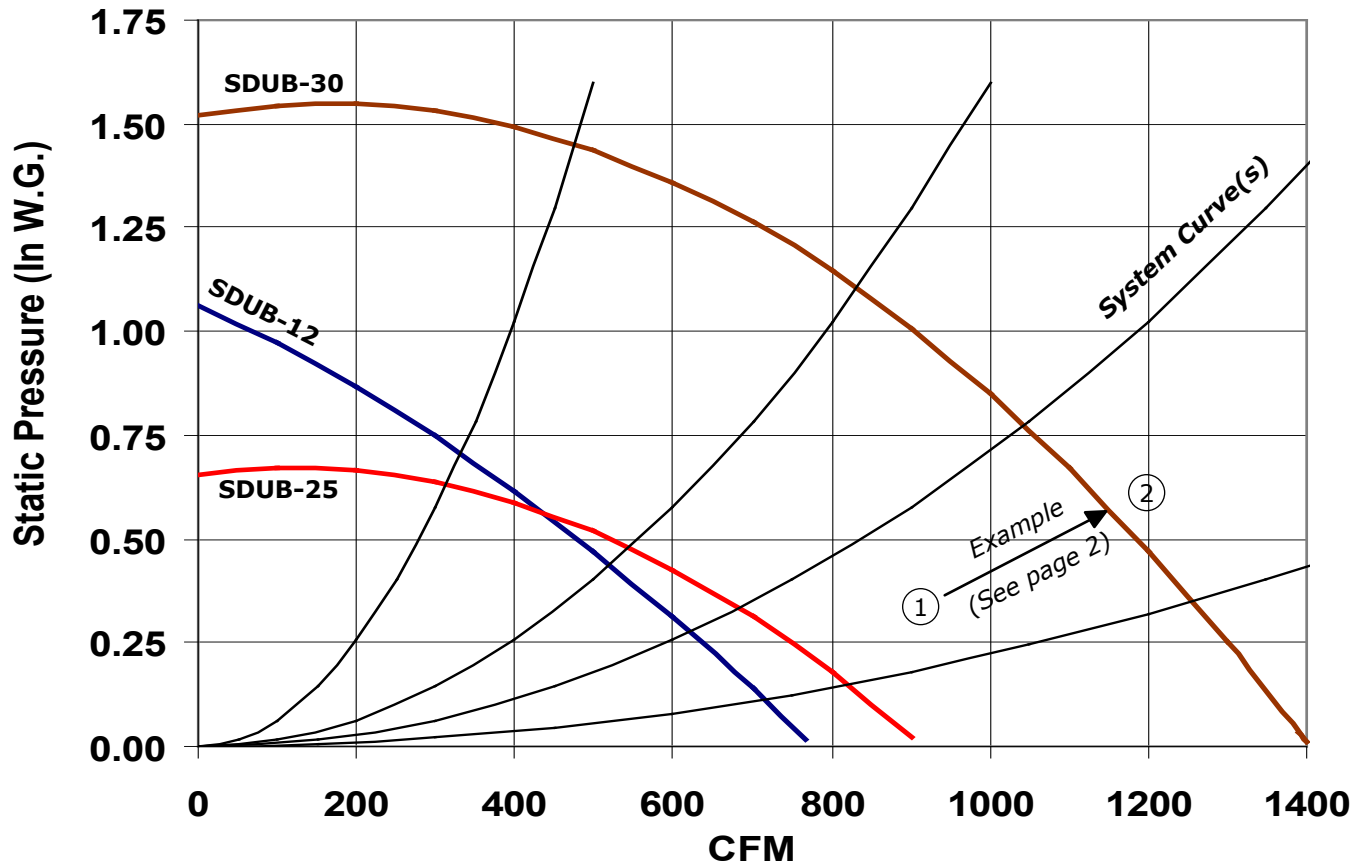
How to select a Direct Drive Blower

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.

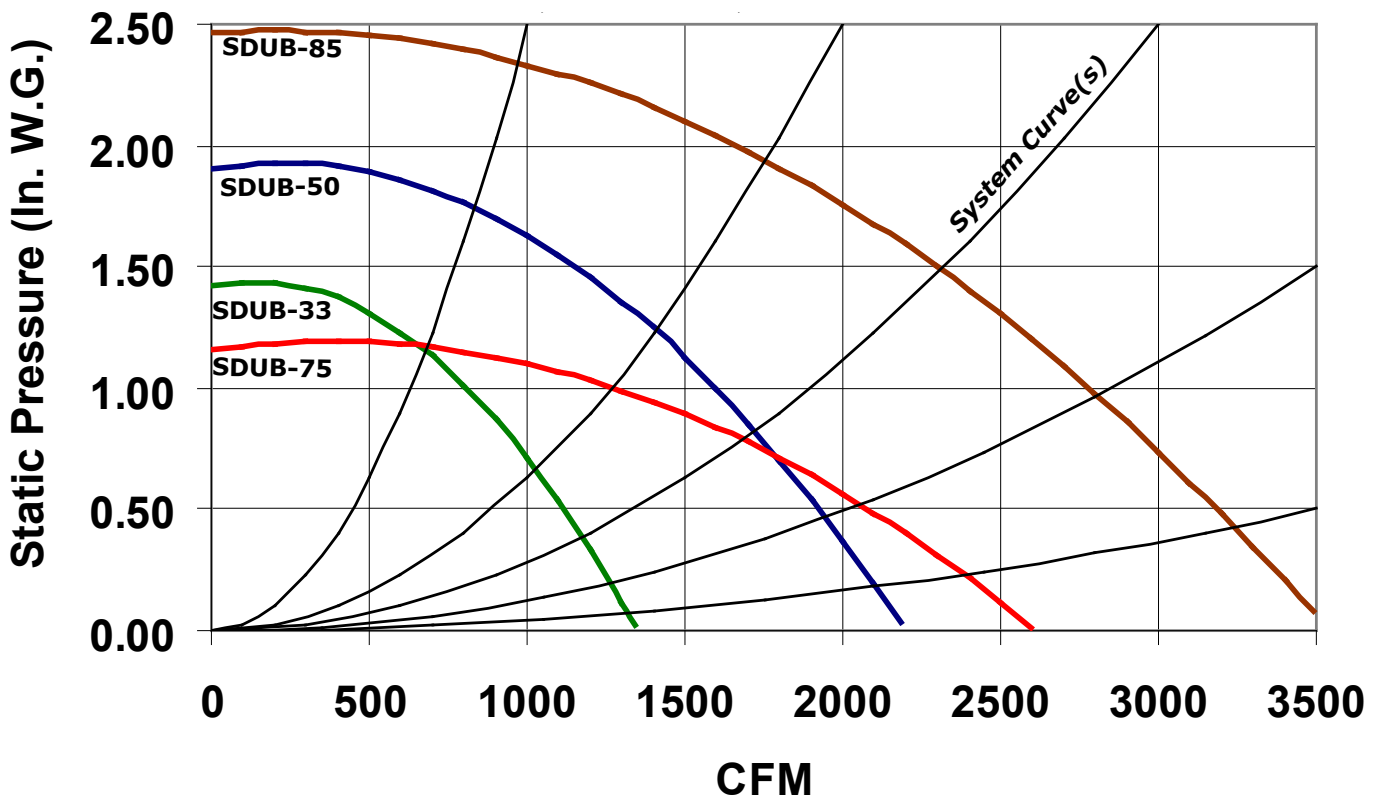
Example: Required 1000 CFM @ 0.375 in. W.G. (ref. SDUB-12 to SDUB-30 curves - p.3)

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, SDUB-25 & SDUB-30



SDUB-33, SDUB-50, SDUB-75 & SDUB-85



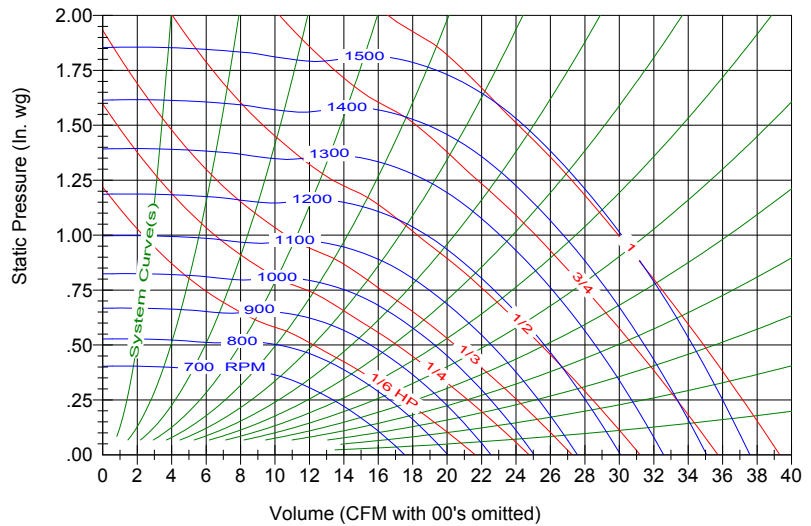
SBRM-15

Max RPM - 1520

Motor:
Max HP - 1
Max Frame - 145T

SI CONVERSION FACTOR

CFM x 0.472 = L/s SP x 0.249 = kPa



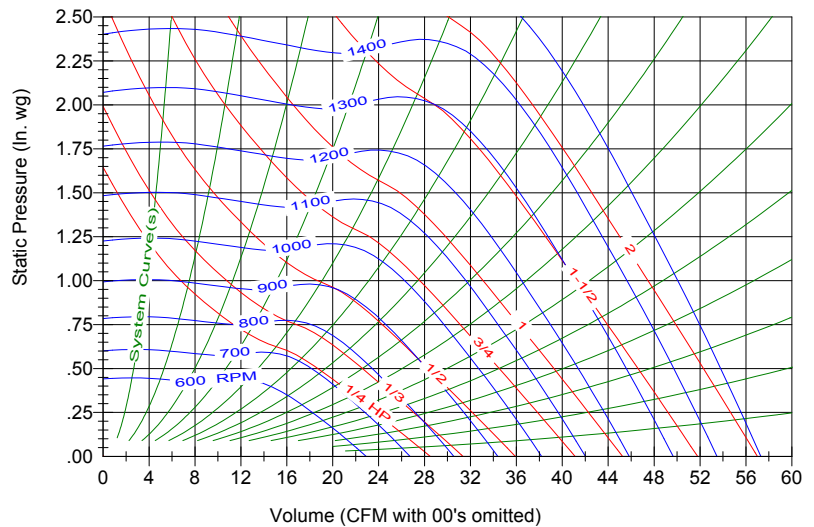
CFM	OUTLET VELOCITY FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES
800	771	427	0.05	2.1	542	0.08	3.3	726	0.14	5.3	895	0.23	7.5	1033	0.32	9.8	1255	0.52	14.3	1436	0.72	18.5	1592	0.93	--
900	868	451	0.07	2.7	557	0.10	3.7	731	0.16	5.4	893	0.25	7.5	1033	0.35	9.8	1263	0.56	14.6	1447	0.78	18.5	1606	1.01	--
1000	964	476	0.08	3.1	575	0.12	4.1	745	0.19	5.6	887	0.27	7.5	1033	0.37	9.8	1266	0.60	14.6	1456	0.84	18.5	1618	1.09	--
1100	1060	503	0.10	3.8	596	0.14	4.6	761	0.22	5.9	895	0.30	7.5	1028	0.40	9.7	1265	0.63	14.6	1460	0.89	18.6	1626	1.16	22
1200	1157	530	0.12	4.3	620	0.16	5.0	776	0.25	6.3	908	0.33	7.8	1026	0.43	9.7	1265	0.68	14.6	1461	0.94	18.6	1632	1.23	22
1300	1253	559	0.15	5.0	645	0.19	5.5	792	0.28	6.7	926	0.38	8.2	1037	0.47	10.1	1262	0.71	14.6	1461	0.99	18.6	1634	1.29	22
1400	1350	589	0.18	5.6	670	0.23	6.0	810	0.32	7.0	940	0.42	8.6	1051	0.52	10.3	1255	0.75	14.3	1461	1.05	18.6	1633	1.35	22
1500	1446	619	0.21	6.3	696	0.26	6.7	831	0.37	7.5	955	0.47	9.1	1069	0.58	10.9	1260	0.80	14.6	1457	1.10	18.5	1634	1.42	22
1600	1543	649	0.25	6.8	723	0.31	7.2	853	0.41	8.0	971	0.53	9.4	1083	0.64	11.2	1271	0.87	14.7	1451	1.14	18.5	1632	1.49	22
1700	1639	680	0.29	7.5	751	0.35	7.9	877	0.47	8.8	989	0.58	10.0	1098	0.71	11.8	1285	0.95	15.3	1452	1.21	18.5	--	--	--
1800	1736	712	0.34	8.2	780	0.40	8.5	902	0.52	9.4	1009	0.65	10.6	1114	0.77	12.5	1303	1.03	15.7	1461	1.30	18.6	--	--	--
1900	1832	744	0.40	8.7	809	0.46	9.0	927	0.59	10.0	1031	0.72	11.4	1130	0.85	12.9	1318	1.12	16.4	1474	1.40	19.1	--	--	--
2000	1929	776	0.45	9.3	838	0.52	9.7	953	0.66	10.7	1055	0.79	12.0	1149	0.93	13.7	1333	1.22	16.6	1490	1.50	19.7	--	--	--

SBRM-18

Max RPM - 1440

Motor:
Max HP - 2
Max Frame - 145T

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).



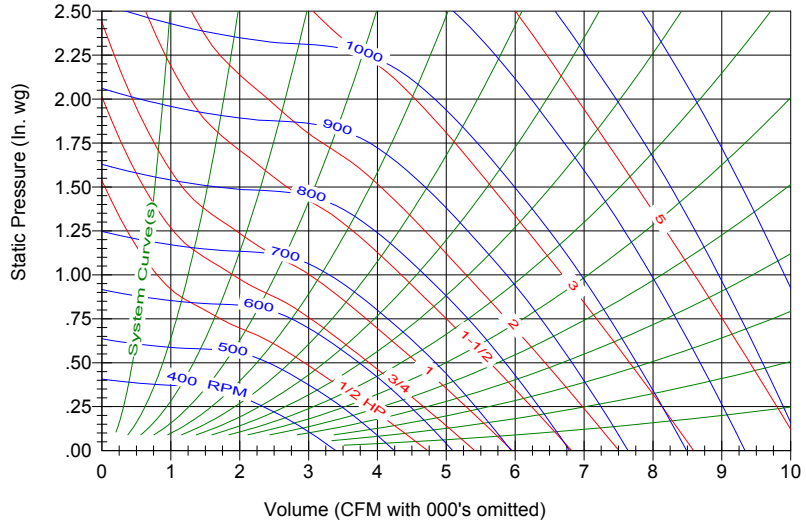
CFM	OUTLET VELOCITY FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES
1200	823	396	0.09	2.7	492	0.13	3.3	653	0.23	5.3	798	0.38	7.5	917	0.53	9.4	1114	0.84	13.1	1276	1.18	--	1416	1.53	23
1400	960	427	0.12	3.3	519	0.18	4.0	666	0.28	5.6	800	0.42	7.8	922	0.59	9.6	1121	0.94	13.6	1287	1.31	17.3	1430	1.69	24
1600	1097	461	0.17	4.2	546	0.23	4.8	685	0.34	6.2	807	0.47	7.9	924	0.64	9.6	1126	1.03	13.8	1295	1.44	17.6	1440	1.86	25
1800	1234	499	0.22	5.1	575	0.29	5.6	709	0.42	6.9	823	0.54	8.5	929	0.70	9.9	1130	1.11	13.9	1299	1.56	18.0	--	--	--
2000	1371	540	0.29	6.1	607	0.36	6.5	736	0.52	7.8	843	0.65	9.1	943	0.80	10.2	1132	1.18	13.9	1304	1.67	18.1	--	--	--
2200	1508	583	0.37	7.3	641	0.44	7.5	763	0.61	8.7	867	0.77	9.8	962	0.92	10.9	1137	1.28	14.1	1306	1.77	18.2	--	--	--
2400	1646	626	0.47	8.3	678	0.53	8.6	791	0.72	9.7	895	0.91	10.8	984	1.07	11.9	1151	1.43	14.8	1306	1.86	18.2	--	--	--
2600	1783	670	0.58	9.5	717	0.65	9.6	821	0.84	10.6	922	1.06	11.7	1009	1.24	12.9	1169	1.59	15.6	--	--	--	--	--	--
2800	1920	713	0.71	10.5	758	0.79	11.0	854	0.98	11.7	950	1.21	12.6	1037	1.43	13.7	1189	1.81	16.7	--	--	--	--	--	--
3000	2057	757	0.86	11.9	800	0.95	12.1	888	1.14	12.4	978	1.38	13.5	1064	1.62	15.0	--	--	--	--	--	--	--	--	--
3200	2194	800	1.03	13.2	843	1.13	13.4	923	1.32	13.8	1008	1.57	14.9	1092	1.83	16.5	--	--	--	--	--	--	--	--	--
3400	2331	844	1.22	14.3	887	1.33	14.6	959	1.52	14.8	1041	1.78	16.1	--	--	--	--	--	--	--	--	--	--	--	--



SBRM-24

Max RPM - 1240

Motor:
Max HP - 5
Max Frame - 182T

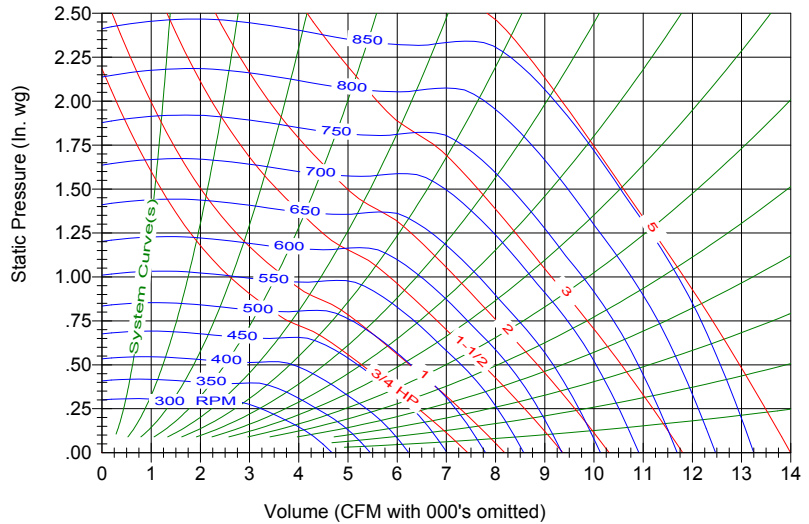


CFM	OUTLET VELOCITY FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES
800	771	427	0.05	2.1	542	0.08	3.3	726	0.14	5.3	895	0.23	7.5	1033	0.32	9.8	1255	0.52	14.3	1436	0.72	18.5	1592	0.93	--
900	868	451	0.07	2.7	557	0.10	3.7	731	0.16	5.4	893	0.25	7.5	1033	0.35	9.8	1263	0.56	14.6	1447	0.78	18.5	1606	1.01	--
1000	964	476	0.08	3.1	575	0.12	4.1	745	0.19	5.6	887	0.27	7.5	1033	0.37	9.8	1266	0.60	14.6	1456	0.84	18.5	1618	1.09	--
1100	1060	503	0.10	3.8	596	0.14	4.6	761	0.22	5.9	895	0.30	7.5	1028	0.40	9.7	1265	0.63	14.6	1460	0.89	18.6	1626	1.16	22
1200	1157	530	0.12	4.3	620	0.16	5.0	776	0.25	6.3	908	0.33	7.8	1026	0.43	9.7	1265	0.68	14.6	1461	0.94	18.6	1632	1.23	22
1300	1253	559	0.15	5.0	645	0.19	5.5	792	0.28	6.7	926	0.38	8.2	1037	0.47	10.1	1262	0.71	14.6	1461	0.99	18.6	1634	1.29	22
1400	1350	589	0.18	5.6	670	0.23	6.0	810	0.32	7.0	940	0.42	8.6	1051	0.52	10.3	1255	0.75	14.3	1461	1.05	18.6	1633	1.35	22
1500	1446	619	0.21	6.3	696	0.26	6.7	831	0.37	7.5	955	0.47	9.1	1069	0.58	10.9	1260	0.80	14.6	1457	1.10	18.5	1634	1.42	22
1600	1543	649	0.25	6.8	723	0.31	7.2	853	0.41	8.0	971	0.53	9.4	1083	0.64	11.2	1271	0.87	14.7	1451	1.14	18.5	1632	1.49	22
1700	1639	680	0.29	7.5	751	0.35	7.9	877	0.47	8.8	989	0.58	10.0	1098	0.71	11.8	1285	0.95	15.3	1452	1.21	18.5	--	--	--
1800	1736	712	0.34	8.2	780	0.40	8.5	902	0.52	9.4	1009	0.65	10.6	1114	0.77	12.5	1303	1.03	15.7	1461	1.30	18.6	--	--	--
1900	1832	744	0.40	8.7	809	0.46	9.0	927	0.59	10.0	1031	0.72	11.4	1130	0.85	12.9	1318	1.12	16.4	1474	1.40	19.1	--	--	--
2000	1929	776	0.45	9.3	838	0.52	9.7	953	0.66	10.7	1055	0.79	12.0	1149	0.93	13.7	1333	1.22	16.6	1490	1.50	19.7	--	--	--

SBRM-30

Max RPM - 860

Motor:
Max HP - 5
Max Frame - 182T



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).

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	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES	RPM	BHP	SONES
1200	823	396	0.09	2.7	492	0.13	3.3	653	0.23	5.3	798	0.38	7.5	917	0.53	9.4	1114	0.84	13.1	1276	1.18	--	1416	1.53	23
1400	960	427	0.12	3.3	519	0.18	4.0	666	0.28	5.6	800	0.42	7.8	922	0.59	9.6	1121	0.94	13.6	1287	1.31	17.3	1430	1.69	24
1600	1097	461	0.17	4.2	546	0.23	4.8	685	0.34	6.2	807	0.47	7.9	924	0.64	9.6	1126	1.03	13.8	1295	1.44	17.6	1440	1.86	25
1800	1234	499	0.22	5.1	575	0.29	5.6	709	0.42	6.9	823	0.54	8.5	929	0.70	9.9	1130	1.11	13.9	1299	1.56	18.0	--	--	--
2000	1371	540	0.29	6.1	607	0.36	6.5	736	0.52	7.8	843	0.65	9.1	943	0.80	10.2	1132	1.18	13.9	1304	1.67	18.1	--	--	--
2200	1508	583	0.37	7.3	641	0.44	7.5	763	0.61	8.7	867	0.77	9.8	962	0.92	10.9	1137	1.28	14.1	1306	1.77	18.2	--	--	--
2400	1646	626	0.47	8.3	678	0.53	8.6	791	0.72	9.7	895	0.91	10.8	984	1.07	11.9	1151	1.43	14.8	1306	1.86	18.2	--	--	--
2600	1783	670	0.58	9.5	717	0.65	9.6	821	0.84	10.6	922	1.06	11.7	1009	1.24	12.9	1169	1.59	15.6	--	--	--	--	--	--
2800	1920	713	0.71	10.5	758	0.79	11.0	854	0.98	11.7	950	1.21	12.6	1037	1.43	13.7	1189	1.81	16.7	--	--	--	--	--	--
3000	2057	757	0.86	11.9	800	0.95	12.1	888	1.14	12.4	978	1.38	13.5	1064	1.62	15.0	--	--	--	--	--	--	--	--	--
3200	2194	800	1.03	13.2	843	1.13	13.4	923	1.32	13.8	1008	1.57	14.9	1092	1.83	16.5	--	--	--	--	--	--	--	--	--
3400	2331	844	1.22	14.3	887	1.33	14.6	959	1.52	14.8	1041	1.78	16.1	--	--	--	--	--	--	--	--	--	--	--	--



Drive Selection for the SBRM Series



Performance Table

		Model	SBRM-13		SBRM-15		SBRM-18		SBRM-24		SBRM-30	
		Shaft Dia.	3/4"		3/4"		1"		1"		1-3/16"	
		Motor Frame (*With motor adapter plate supplied)										
		Cast Iron Pulleys						56	56*	56	56	
		Browning-Woods-Maska	48	56	48	56	143T	143T*	143T	182T	143T	182T
							145T	145T*	145T	184T	145T	184T
RPM Range	Motor	Blower	'4L' Belt Size - Max 3/4 HP									
340	1V134	AL104										
to	8325	AK104	--	--	--	--	--	--	4L400	--	4L420	--
519	MVL34	MFAL104										
427	1VL34	AL84										
to	8325	AK81	--	--	--	--	--	--	4L350	--	--	--
652	MVL34	MFAL84										
540	1VL40	AL84										
to	8400	AK81	--	--	--	--	4L340	4L320	4L360	--	--	--
765	MVL40	MFAL84										
575	1VL34	AL64										
to	8325	AK61	4L250	4L250	4L280	4L270	4L290	4L270	--	--	--	--
878	MVL34	MFAL64										
696	1VL34	AL51										
to	8325	AK51	4L230	4L220	4L260	4L250	4L270	4L250	--	--	--	--
1062	MVL34	MFAL54										
879	1VL40	AL51										
to	8400	AK51	4L240	4L230	4L270	4L260	4L280	4L260	--	--	--	--
1245	MVL34	MFAL54										
1135	1VL40	AK41										
to	8400	AK44	4L220	4L210	4L250	4L240	4L260	4L240	--	--	--	--
1608	MVL40	MA40										
B' Belt Size												
447	1LV34	BKH100										
to	8325	HB97T	--	--	--	--	--	--	--	--	B39	--
596	MVL34	MBL97										
500	1VL34	BKH90										
to	8325	HB87T	--	--	--	--	--	--	B34	--	B37	B38
667	MVL34	MBL87										
646	1VL44	BKH90										
to	8400	HB87T	--	--	--	--	--	--	B35	B33	--	B39
854	8400	MBL87										
848	1VL44	KBH70										
to	8400	HB67T	--	--	--	--	--	--	B31	B29	--	--
1121	8400	MBL67										
1005	1VL44	BKH60										
to	8400	HB57T	--	--	--	--	B27	B25	--	--	--	--
1329	8400	MBL57										
1233	1VL44	BKH50										
to	8400	HB47T	--	--	--	B24	B26	B24	--	--	--	--
1631	8400	MBL47										



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Other DELHI Catalogues

- Cat. #SS-30** _____ Belt Drive Utility Blowers
- Cat. #SS-31** _____ Forward Curved Inline Duct Blowers
- Cat. #SS-32** _____ Forward Curved Fresh Air Supply Units
- Cat. #SS-38** _____ Heating & Cooling Coils
- Cat. #SS-43** _____ Forward Curved Roof Exhausters
- Cat. #SS-44** _____ Backward Inclined DWDI Blowers
- Cat. #SS-45** _____ Direct Drive Utility Blowers
- Cat. #SS-48** _____ Plenum Fans
- Cat. #SS-49** _____ Belt Drive Forward Curved DWDI Blowers
- Cat. #SS-50** _____ Backward Inclined Square Inline Blowers
- Cat. #SS-51** _____ Downblast Spun Aluminum Exhausters
- Cat. #SS-53** _____ Forward Curved Direct Drive DWDI Blowers
- Cat. #SS-54** _____ Upblast Spun Aluminum Exhausters

WARRANTY

Delhi Industries Air Moving products are guaranteed for a period of one year (12 consecutive months) from the date of sale 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)

REPRESENTED BY: