



PSBLOWERS

The Real Manufacture



MADE IN
Bharat



A Complete Solution of Blowers

Mission

Provider of Innovative engineering solutions in entire range of pressure & vacuum systems by having state of art technology, optimized designs, excellence in R&D, manufacturing and thrust on training & development of employees, continuously expanding our operations.

Vision

To become top solution provider by being a prominent and trusted brand for:

- Positive Displacement Blowers in the world
- Low Pressure Compressors in India

Quality Policy

We at PS Blowers are committed to continually improve in all process areas leading to quality product by involving competent and motivated employees at all levels leading to overall growth of the company through satisfied customers.

Quality Objectives

- Quality Objectives Delivery on time, delivery in full, of defect free products
- Wastage reduction Introducing New/ upgraded products better than the competitor, meeting customers' expectations
- Cost reduction by Value Engineering/ other methods
- Timely and effective customer support & services
- Achieving and sustaining superior levels of performance in all operations
- Up gradation of infrastructure
- Human resources development

Core Values

- Customer Focus
- Respect for Individuals
- Ethics & Integrity
- Sincerity at workplace
- Self motivated individuals
- Transparent Communication Channels
- Institution Building thru skill enhancement



AIR /WATER COOLED BLOWERS

(TWIN LOBE ROTARY AIR BLOWERS)

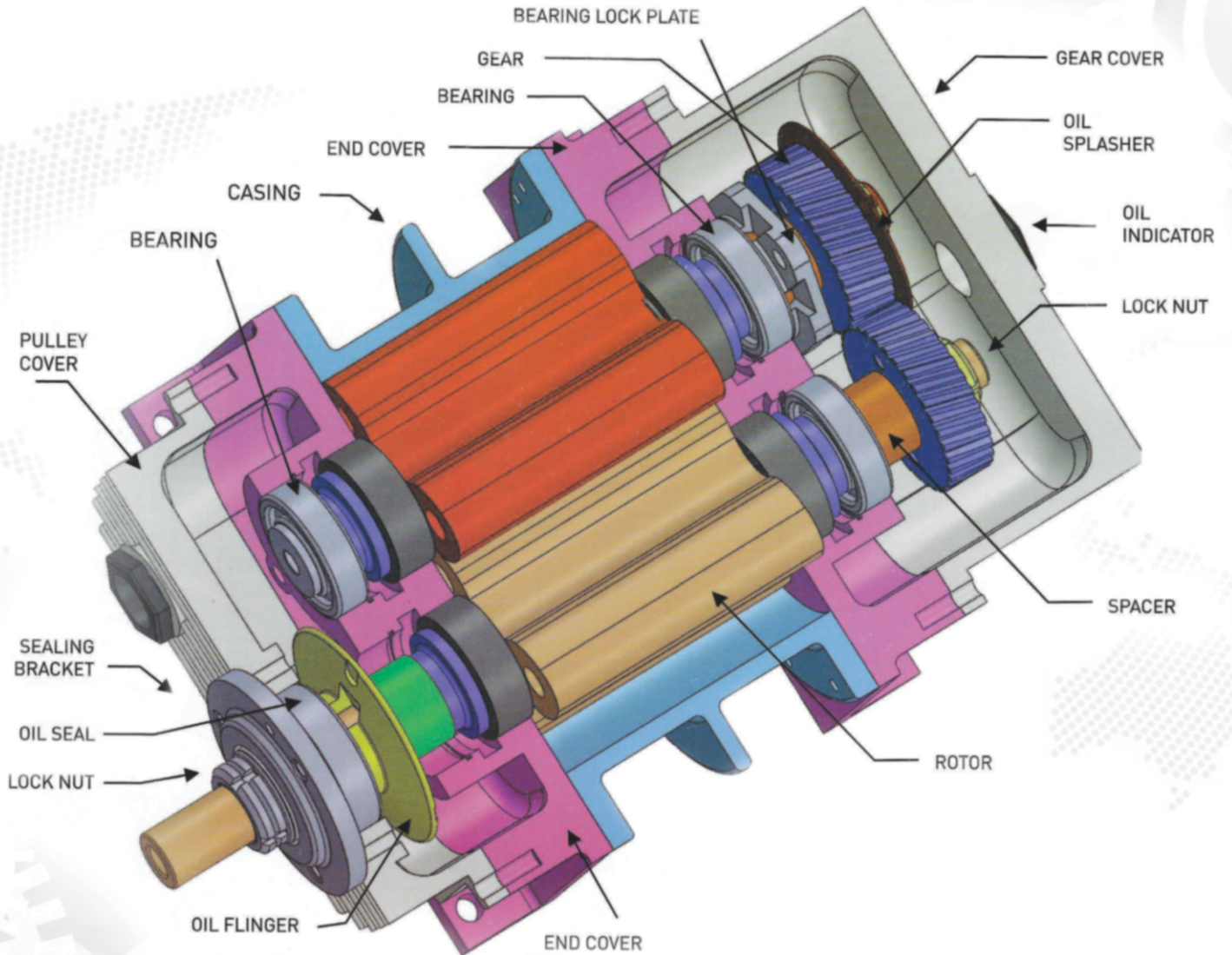
Model	IN./OUT. (MM)	SPEED (RPM)	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		STANDARD ORIENTATION
			M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	
PS-325	25 25	1000	20	0.5	18	0.6	16	0.7	14	0.9							
		1200	30	0.55	28	0.65	26	0.75	24	0.95							
		1440	40	0.6	38	0.7	36	0.8	34	1.00							
PS-365	25 25	1000	51	0.43	42	0.70	35	0.96	29	1.23	24	1.49					
		1200	65	0.52	56	0.84	49	1.16	44	1.47	38	1.79					
		1440	83	0.62	74	1.00	67	1.39	61	1.77	56	2.15					
PS-42	40	1000	77	0.73	67	1.10	60	1.47	53	1.85	48	2.22	42	2.59	38	2.96	
		1200	98	0.88	88	1.32	80	1.77	74	2.22	68	2.66	63	3.11	58	3.55	
		1440	122	1.05	112	1.59	104	2.12	98	2.66	92	3.19	87	3.73			
PS-44	65	1000	120	0.90	107	1.45	98	1.99	90	2.54	83	3.08	77	3.63	71	4.17	
		1200	149	1.09	137	1.74	128	2.39	120	3.05	113	3.70	107	4.35			
		1440	185	1.30	173	2.09	164	2.87	156	3.66	149	4.44					
PS-47M	80	1000	150	1.10	133	1.80	120	2.50	109	2.20	99	3.90	90	4.60	82	5.30	
		1200	188	1.40	171	2.20	158	3.00	147	3.90	137	4.70	128	5.50	120	6.40	
		1500	245	1.70	228	2.80	215	3.80	204	4.80	194	5.90	186	6.90	178	8.00	
PS-47	80	1000	208	1.89	182	2.58	162	3.57	145	4.56	130	5.55					
		1200	262	1.91	236	3.10	216	4.29	199	5.47	185	6.66					
		1400	317	2.23	291	3.61	271	5.00	254								
PS-53	80	1000	181	1.82	163	2.63	150	3.45	138	4.27	128	5.09	119	5.90	111	6.72	
		1200	226	2.18	208	3.16	195	4.14	183	5.12	173	6.10	164	7.08	156	8.06	
		1440	280	2.62	262	3.79	248	4.97	237	6.15	227	7.32	218	8.50			
PS-55	80	1000	233	2.05	210	3.11	193	4.16	178	5.21	165	6.26	154	7.32	143	8.37	
		1200	291	2.46	268	3.73	251	4.99	236	6.25	223	7.52	211	8.78	200	10.04	
		1400	348	2.87	326	4.35	308	5.82	294	7.29	281	8.77	269	10.24			
PS-57	100	1000	326	2.47	295	3.95	270	5.42	250	6.89	231	8.37	215	9.84			
		1200	407	2.97	375	4.74	351	6.50	330	8.27	312	10.04	296	11.81			
		1400	488	3.46	456	5.53	432	7.59	411	9.65	393	11.71					
PS-59	100	1000	450	3.30	409	5.30	378	7.30	382	9.30	329	11.30					
		1200	559	3.96	519	6.36	487	8.76	461	11.16	438	13.56					
		1400	559	4.62	628	7.42	597	10.22	571	13.02							
PS-67	125	1000	463	3.04	409	5.09	375	7.13	346	9.17	321	11.22	298	13.26	277	15.30	
		1200	565	3.65	520	6.10	486	8.56	458	11.01	433	13.46	410	15.91	389	18.36	
		1400	676	4.26	632	7.12	598	9.98	570	12.84	545	15.70	522	18.56			
PS-610	125	1000	605	3.73	546	6.46	501	9.19	462	11.92	429	14.65	398	17.38	370	20.11	
		1200	754	4.48	695	7.75	650	11.03	612	14.31	578	17.58	548	20.86	520	24.18	
		1400	904	5.22	845	9.04	800	12.87	761	16.69	728	20.51					
PS-615	150	1000	919	5.19	836	9.27	772	13.36	719	17.44	672	21.53					
		1200	1142	6.22	1060	11.13	996	16.03	942	20.93	895	25.84					
		1400	1366	7.26	1283	12.98	1220	18.70	1166	24.42							
PS-78	125	1000	795	4.34	746	7.69	707	11.03	675	14.37	647	17.72	621	21.06	598	24.40	
		1200	978	5.21	929	9.22	891	13.24	858	17.25	830	21.26	804	25.27	781	29.28	
		1400	1161	6.08	1112	10.76	1074	15.44	1041	20.12	1013	24.80	987	29.48			
PS-710	150	1000	994	5.18	932	9.36	884	13.54	844	17.72	809	21.90	777	26.07	747	30.25	
		1200	1223	6.21	1161	11.23	1113	16.24	1073	21.26	1038	26.27	1006	31.29	976	36.30	
		1400	1452	7.25	1390	13.10	1342	18.95	1302	24.80	1266	30.65	1234	36.50			
PS-713	150	1000	1292	6.43	1211	11.86	1149	17.29	1097	22.72	1051	28.15	1009	33.58	971	39.01	
		1200	1589	7.72	1508	14.23	1446	20.75	1394	27.26	1348	33.78	1306	40.29			
		1400	1886	9.00	1805	16.60	1744	24.20	1691	31.81	1645	39.41					
PS-717	200	1000	1691	8.61	1585	15.71	1504	22.82	1436	29.93	1375	37.04					
		1200	2080	10.33	1974	18.86	1893	27.39	1825	35.92	1765	44.44					
		1400	2469	12.05	2363	22.00	2282	31.95	2214	41.90							
PS-812	200	1000	1435	9.79	1373	15.59	1324	21.38	1284	27.18	1248	32.97	1216	38.77	1186	44.56	
		1200	1752	11.75	1690	18.71	1642	25.66	1601	32.62	1566	39.57	1533	46.52	1504	53.48	
		1400	2070	13.71	2007	21.83	1959	29.94	1919	38.05	1883	46.16	1851	54.28			
PS-816	250	1000	1914	11.73	1830	19.45	1766	27.18	1712	34.91	1664	42.63	1621	50.36			
		1200	2337	14.07	2253	23.34	2189	32.62	2135	41.89	2087	51.16	2044	60.43			
		1400	2760	16.42	2676	27.23	2612	38.05	2558	48.87	2510	59.69					
PS-820	250	1000	2392	13.66	2288	23.32	2207	32.97	2140	42.63	2080	52.29					
		1200	2921	16.39	2816	27.98	2736	39.57	2669	51.16	2609	62.75					
		1400	3450	19.12	3345	32.64	3265	46.16	3198	59.69	3138	73.21					
PS-1012	250	1000	2453	14.91	2346	24.81	2264	34.72	2195	44.62	2134	54.53	2079	64.44	2028	74.34	
		1200	2996	17.89	2889	29.77	2806	41.66	2737	53.55	2676	65.44	2621	77.32	2570	89.21	
		1400	3538	20.87	3431	34.74	3349	48.60	3280	62.47	3219	76.34	3163	90.21	3113	104.08	
PS-1016	300	1000	3297	18.31	3153	31.62	3042	44.93	2949	58.24	2867	71.56	2793	84.87	2725	98.18	
		1200	4025	21.97	3882	37.95	3771	53.92	3678	69.89	3596	85.87	3522	101.84	3454	117.81	
		1400	4754	25.64	4610	44.27	4500	62.91	4407	81.54	4325	100.18	4251	118.81			
PS-1020	350	1000	4217	22.03	4033	39.05	3891	56.08	3772	73.10	3667	90.13	3573	107.16			
		1200	5149	26.43	4995	46.86	4824	67.29	4705	87.72	4600	108.15	4505	128.59			
		1400	6081	30.84	5897	54.67	5756	78.51	5637	102.34	5532	126.18	5437	150.02			
PS-1024	350	1000	4953	25.00	4737	45.00	4571	64.99	4431	84.99	4308	104.99					
		1200	6048	30.00	5831	53.99	5666	77.99	5526	101.99	5402	125.99					
		1400	7143	35.00	6926	62.99	6760	90.99	6621	118.99	6497	146.98					

Performance Data (Air Cooled Blowers)

Note : 1. The above ratings are based on inlet air temperature of 104 DF, ambient pressure 1 kg/cm², Specific gravity of 1.0.
2. performance testing as per Bs 1571, part-II 3. All specifications are subject to change without notice.



Construction





Construction

It is a one piece Integral Grey or Ductile Cast Iron or Cast Steel casting.

The surface of casing is adequately ribbed for strengthening against distortion on high loads. Selective models have sound attenuating chambers on discharge. The suction flange is on the top and discharge is either at bottom or on the side.

Lubrication

There is an effective OIL splash lubrication for gears and bearings. This arrangement is for all blowers. However, for certain specific applications the blowers are provided with forced lubrication (L). For blowers operating at low temperature heating arrangement is provided.

Rotors

Each rotor has 3-lobes of computer generated profile optimizing volumetric efficiency.

The lobes are generally of fine grain Grey Cast or Ductile Iron and has pressed in steel shafts. The lobe materials can also be SS or AL depending on the process requirement. The ends of lobes are plugged; when handling dust laden air.

The rotors of smaller blowers can be out of forged steel with integral shaft. The rotors are dynamically balanced to very fine grade of 2.5 of ISO-1940.

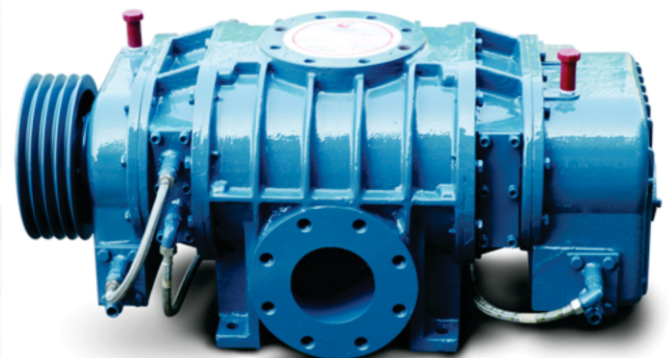
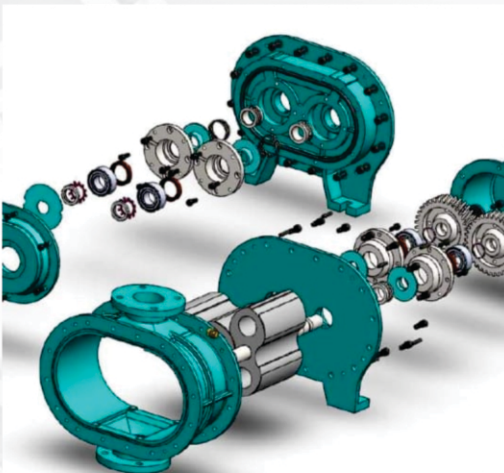
Sealing

The compression chamber is sealed from the oil chambers through effective labyrinth seal provided with a neutral chamber and the air conveyed is guaranteed oil free. The drive shaft end has a lip seal riding on hardened and replaceable sleeve.

For conveying gases the seal can be mechanical (M) or gland packed type (P).

Timing Gears

The timing gears are hardened and ground, heavy-duty helical design to withstand wear. Fixing to the shaft is through press on tapers under high oil pressure.

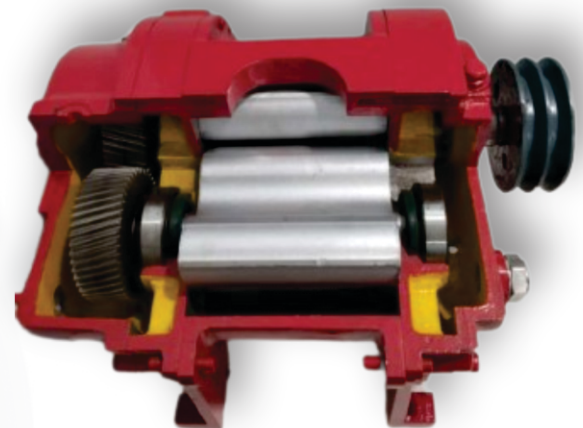




AQUA CULTURE BLOWER

(TWIN LOBE ROTARY AIR BLOWERS)

MODEL	MOTOR	DISCH. LINE (MM NB)	AIR FLOW (M3/HR.)	PRESSURE (MMWG)	SPEED (RPM)	ORIENTATION
Aqua- A	1 HP	40	50	2000	1200	
Aqua- B	2 HP	40	100	2000	1200	
Aqua- C	3 HP	40	170	2000	1200	
Aqua- C GOLD	3 HP	65	185	2000	1200	
Aqua- E	5 HP	65	210	2000	1200	
Aqua- E GOLD	5 HP	80	270	2000	1200	
Aqua- G	7.5 HP	80	320	2000	1200	
Aqua- G GOLD	7.5 HP	80	420	2000	1200	
Aqua- J	10 HP	100	770	2000	1200	
Aqua- 13V	12.5 HP	125	798	2000	1200	
Aqua- 15L	15 HP	125	898	2000	1200	
Aqua- 20	20 HP	150	1299	2000	1200	





SPARES & ACCESSORIES

100% inhouse manufacturing

Buy only GENUINE PS Blowers Retain your advantage with factory genuine replacement parts & accessories. All parts meet original manufacturing specifications and tolerances for guaranteed fit and function. Pre-packaged overall kits with detailed service manuals are available on request.



FEATURES

- Readily Available
- Fast Delivery
- Guaranteed fit and function
- Service Kits for routine product maintenance

SPARES

Bearings, Oil Seals, Gears, Rotors, Spacer Bushes, Blower lubricant, Gaskets, Piston Rings, Body, Plate

ACCESSORIES

Safety Relief Valves, Filters, Suction Silencers, Discharge Silencers, Pulleys, Vee Belts, Hubs, Drive couplings, Pressure Gauge, Vacuum Gauge, Non Return Valves, Base Frame, Beltguard

Due to constant improvements, technical specifications are subject to change without notice. For further clarifications, contact our technical team who shall be glad to assist you to overcome application related problems.



Single Stage Ring Blower



Single Stage Ring Blower

MODEL	POWER	DISPLACEMENT	VACUUM	PRESSURE	SOUND	WEIGHT
PS-1-25	0.25 HP	80 m ³ /hr / 47 CFM	-120 mbar	120 mbar	53 DB	9 KG
PS-1-80	0.5 HP	80 m ³ /hr / 47 CFM	-130 mbar	140 mbar	62 DB	12 KG
PS-1-145	1.0 HP	145 m ³ /hr / 85 CFM	-150 mbar	160 mbar	63 DB	14 KG
PS-1-210F	1.25 HP	210 m ³ /hr / 123 CFM	-110 mbar	100 mbar	65 DB	20 KG
PS-1-210L	1.5 HP	210 m ³ /hr / 123 CFM	-170 mbar	170 mbar	64 DB	22 KG
PS-1-210	2.0 HP	210 m ³ /hr / 123 CFM	-190 mbar	200 mbar	70 DB	23 KG
PS-1-270	3.0 HP	270 m ³ /hr / 159 CFM	-230 mbar	250 mbar	67 DB	27 KG
PS-1-318	3.0 HP	320 m ³ /hr / 188 CFM	-190 mbar	190 mbar	69 DB	30 KG
PS-1-320V	4.0 HP	320 m ³ /hr / 188 CFM	-270 mbar	290 mbar	69 DB	37 KG
PS-1-400	5.0 HP	400 m ³ /hr / 235 CFM	-290 mbar	330 mbar	77 DB	40 KG
PS-1-530	7.5 HP	530 m ³ /hr / 312 CFM	-300 mbar	320 mbar	80 DB	62 KG
PS-1-530P	10.0 HP	530 m ³ /hr / 312 CFM	-320 mbar	380 mbar	82 DB	68 KG
PS-1-1050	11.0 HP	1050 m ³ /hr / 618 CFM	-210 mbar	210 mbar	74 DB	93 KG
PS-1-1050P	16.5 HP	1050 m ³ /hr / 618 CFM	-280 mbar	270 mbar	74 DB	116 KG
PS-1-1050HP	24.5 HP	1050 m ³ /hr / 618 CFM	-340 mbar	460 mbar	74 DB	126 KG

Double Stage Ring Blower



Double Stage Ring Blower

MODEL	POWER	DISPLACEMENT	VACUUM	PRESSURE	SOUND	WEIGHT
PS -DS-88	1.0 HP	88 m ³ /hr / 52 CFM	-210 mbar	240 mbar	55 DB	14 KG
PS -DS-110	1.5 HP	110 m ³ /hr / 65 CFM	-280 mbar	290 mbar	58 DB	18 KG
PS -DS-150	2.0 HP	150 m ³ /hr / 89 CFM	-280 mbar	280 mbar	66 DB	24 KG
PS -DS-150V	3.0 HP	150 m ³ /hr / 89 CFM	-330 mbar	440 mbar	66 DB	27 KG
PS -DS-230V	3.0 HP	230 m ³ /hr / 135 CFM	-290 mbar	360 mbar	72 DB	35 KG
PS -DS-230	4.0 HP	230 m ³ /hr / 135 CFM	-340 mbar	410 mbar	72 DB	39 KG
PS -DS-230P	5.0 HP	230 m ³ /hr / 135 CFM	-390 mbar	490 mbar	72 DB	44 KG
PS -DS-320V	7.5 HP	320 m ³ /hr / 189 CFM	-440 mbar	500 mbar	73 DB	70 KG
PS -DS-320P	10.0 HP	320 m ³ /hr / 189 CFM	-440 mbar	570 mbar	73 DB	77 KG
PS -DS-520	15.0 HP	520 m ³ /hr / 306 CFM	-430 mbar	660 mbar	74 DB	88 KG
PS -DS-1110P	27.0 HP	1110 m ³ /hr / 654 CFM	-440 mbar	500 mbar	74 DB	204 KG
PS -DS-1110HP	33.0 HP	1110 m ³ /hr / 654 CFM	-440 mbar	590 mbar	74 DB	211 KG
PS -DS-2050	27.0 HP	2050 m ³ /hr / 1207 CFM	-250 mbar	230 mbar	75 DB	230 KG
PS -DS-2050P	33.0 HP	2050 m ³ /hr / 1207 CFM	-310 mbar	280 mbar	75 DB	235 KG

"WHEN YOU LOOK FOR THE QUALITY LOOK FOR PS BLOWERS"



ACOUSTIC HOODS | ENCLOSURE

PS BLOWERS leading manufacturer of Roots Blowers introduces acoustic enclosures for blowers. PS BIPL acoustic enclosures are one of the most effective means for containment of excessive noise and for the insulation of the workers from the noise. Even where silencers are used, they can only treat the air borne noise. The treatment of the mechanic is from the blower, motor, etc. is beyond the scope of silencers. Thus, in orders to his low noise levels, that are often statutory requirements, Noise Enclosures / Acoustic Hoods are required. PS BIPL sound reduction enclosures have been designed for effective noise reduction of blowers placed inside. PS BIPL economical design provides noise reduction of 15-20 dB(A) bringing down the total noise emitted to safe acceptable limits.

SALIENT FEATURES

- Extremely Good Sound Proofing.
- Save from Rain and Sunlight.
- Thickness of MS: Approx 1.5mm (MOC-MS)
- Glass Wool Thikness: 18 gauge - foam and hight density + glass wool.
- Powder coating of exterior grade for UV Stabilization and wether proffing for many years.
- After used Acoustic Hoods we can reduse noise 15 to 20%.
- Use any residential, public place, College or school.
- Ventilation: In each Acoustic Hood two or more exhaust fan provied for Ventilation.



Features

- Noise Control :- Level reduction to the tune of 12 to 25 DB is achieved.
- Mobility :- The enclosures can be easily shifted or transporte.
- Ease of Maintenance :- Adequate space is available inside the canopy for easy maintenance.
- Elimination of Civil Work :- Enclosures are suitable for open installation and hence require no separate building or shed.
- Exhaust fans are provided in the enclosure for efficient air circulation avoiding derating, it made Proper Cooling of Blowers .
- Easily & quickly assembled and maintain at site.
- Powder Coated Sheets with electro statically charged glass wool sandwich.
- Proper air ventilation system is available for proper cooling of blower.

PS BLOWERS

The Real Manufacture



**MADE IN
Bharat**



OUR PRODUCTS

Water Cooled Blowers★

Aqua Culture Blowers★

Rings Blowers★

Accoustic Hoods★

Bio Gas Blowers★

Vacuum Blowers★



CUSTOMER SUPPORT SERVICES:

A team of experienced and qualified engineers are deployed to render all kinds of technical post supply services to our esteemed customers; such as pre-commissioning and post commissioning services, troubleshooting etc. etc., to make the equipment to user's satisfaction. Professionally & technically competent personnel are always ready to render these services, promptly and expeditiously For details contact H.O. or the nearest service network.

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