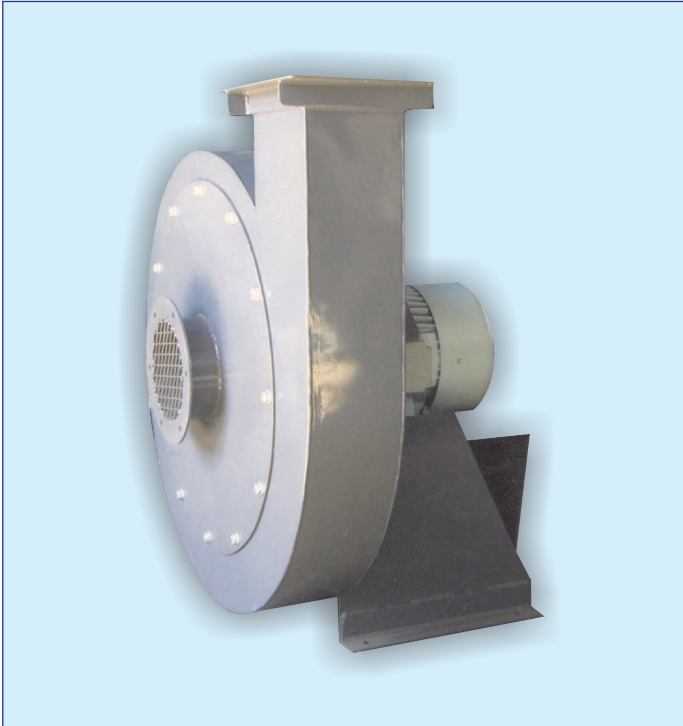


High Pressure Blowers Model 'P'

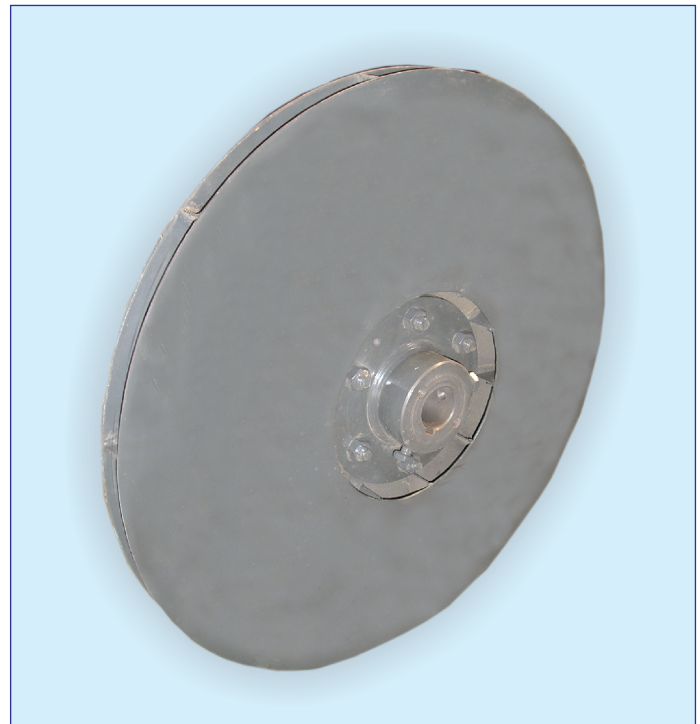


Available in

- Air Capacity upto 25500 m³/hr
- Static Pressure up to 2200 mm water guage.
- Different drive arrangements
- Single Stage and Twin Stage

Application :

- Primary and Secondary Air Generation
- For Pneumatic Conveying
- Low Volume of Air required
- High Pressure applied for Burners
- Removing of Dust.





High Pressure Blowers Model 'P' Type and "HPRB" Type to work for you

Air and gas handling equipment for application in petro chemical. Pollution Control, Pulp and Paper, printing and converting and process Industries must stand up to most demanding environments on daily basis. Higher pressure and moderate volumes are required and reliability is paramount. 'P' type blowers used for combustion air in to feed primary and secondary air. HPRB type blowers for conveying, pollution control, glass cooling, fumes exhaust, cryogenic application pharmaceutical application. Further the induced draft and forced draft fans for furnace/boiler draft application.

PERFORMANCE RANGE

Pressure :

upto 125" W.G.
(Inches water guage)
Air/Gas flow volume
upto 100.00 cfm
(cubic feet per minute)

Efficiencies :

over 75% peak efficiency

FEATURES AND BENEFITS :

Gas tight spark resitant construction

"Damair" offers a variety of gas tight construction options: multi contact lip seals, mechanical seals, single or double carbon ring seals and packed stuffing boxes with or without barrier fluid. All blowers for critical application. AMCA standard spark resistant class I, II or III construction is available for hazardous locations as well as explosion proof motors & starters.

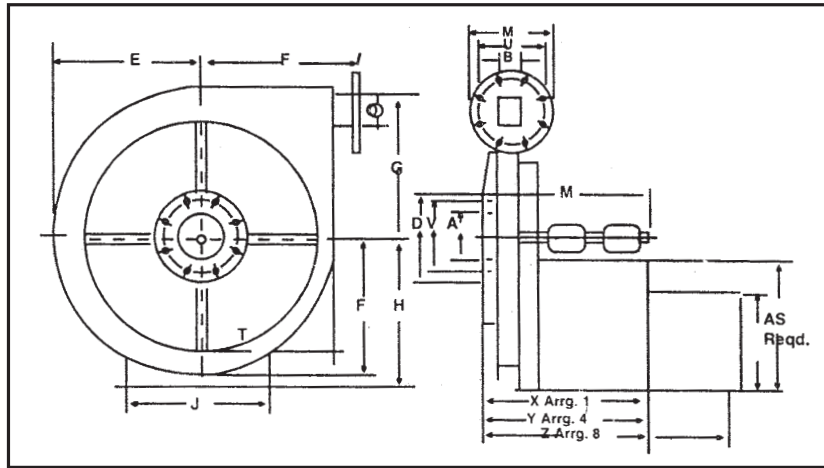
Special Materials :

"Damair" Blower's expertise makes it possible to construct your blowers utilizing high technics. Super Alloys, Stainless steel, resistance coatings on impellers, corrosion proof. Temperature resistance material are used for special constructions on your specific requirement. An experience of more than a decade is added feather in our crown. Our engineers are well equipped to handle critical challenges. We have the modern manufacturing technics to produce quality blowers.

Casing of Blower : Casing is fabricated out of suitable section of steel as required and is rigid on construction. Welding are done in fixture to avoid distortions. Suitable welding machines are used.

Impeller : The most critical part of the blower is designed for optimum efficiency. Radial blades, open radial blades, slight, backward inclined blades. Backward curved blades self cleaning blades are fabricated in our factory on suitable fixture and machined to avoid run out. Finally the impellers are statically and dynamically balanced as per the standard to eliminate vibrations resulting into less wear and tear of running parts.

High Pressure 'P' Blowers

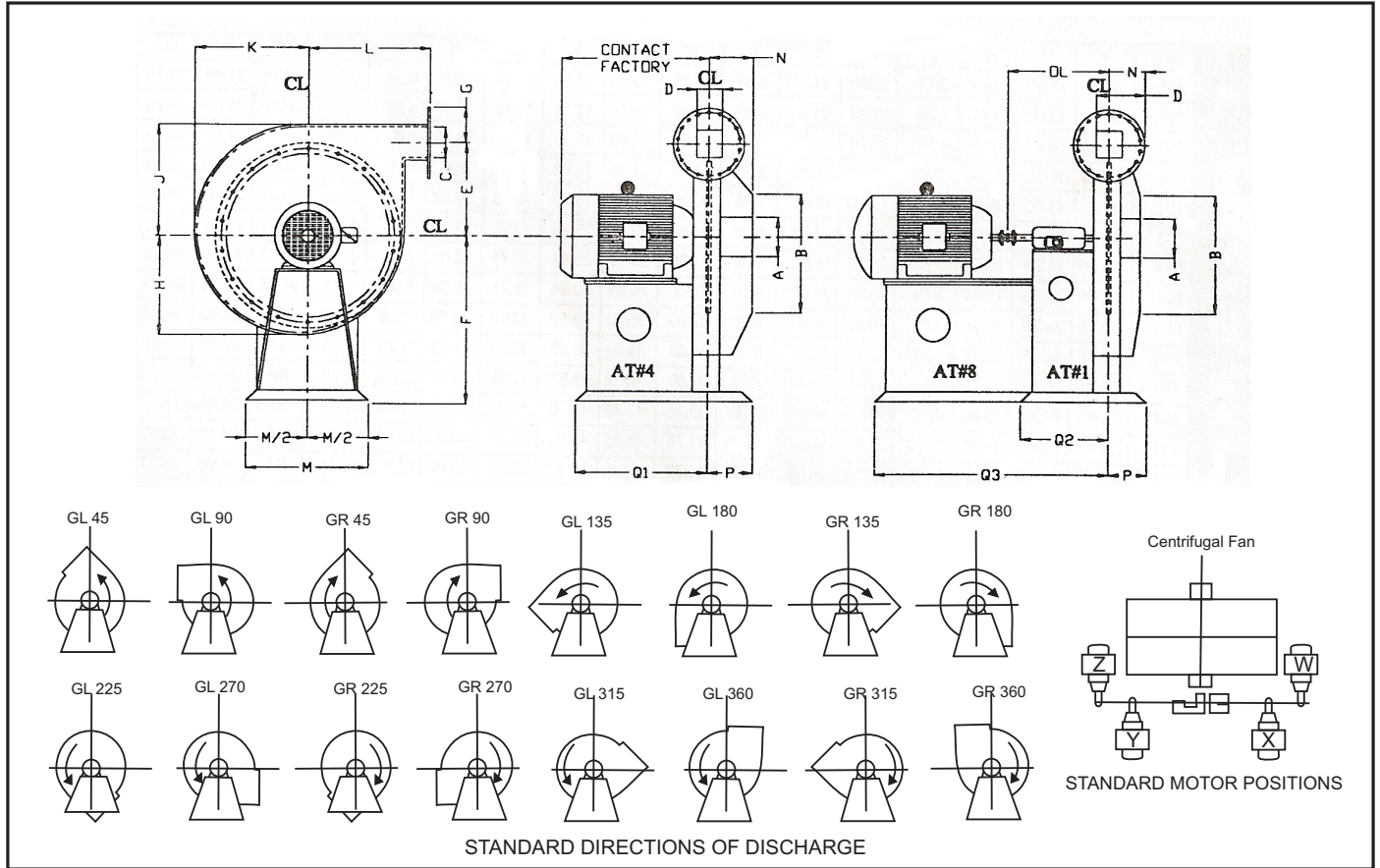


DIMENSIONS IN INCHES

Blower Size	A	B	C	D	E	F	G	H	J	L	M	N	S	T	U	V	X	Y	Z
25-2	4	2	3 5/16	9	14	13 1/2	13	14 1/2	13 1/2	14 1/2	22 1/2	9	1	13	7 1/2	7 1/2	19 1/4	17 1/4	39
-3	5	2 3/8	4 1/16	10	14 1/16	13 1/2	13 1/8	14 1/2	13 1/2	14 1/2	25 1/4	10	1	12 15/16	8 1/2	8 1/2	21 3/4	20	41 1/2
-4	6	3 5/8	6 5/8	11	14 3/16	13 1/8	13 3/4	15 1/2	14	13 1/2	30 1/8	11	2 3/8	12 1/8	9 1/2	9 1/2	26 7/8	23 1/2	4
30-1	5	1 7/8	3	10	16 7/16	16	15 3/8	17	16	17	26 1/4	9	1	15 9/16	7 1/2	8 1/2	22 1/4	17 1/4	42 1/4
-2	5	2 7/16	4	10	16 1/2	15 7/8	15 5/8	17	14	17	23 3/4	10	1 1/8	15 1/4	8 1/2	8 1/2	19 1/4	17 1/4	42 1/4
-3	6	2 13/16	4 7/8	11	16 9/16	15 7/8	15 3/4	17	16 1/4	17	24	11	1 1/8	15 3/16	9 1/2	9 1/2	19 7/8	20 7/8	46 5/8
-4	8	4 1/4	7 15/16	13 1/2	16 1/2	15 1/4	16 1/4	17	18	16	26 1/2	13 1/2	1 3/4	14	11 1/4	11 3/4	25 1/4	23 7/8	50 1/2
-5	10	6 7/8	8 1/4	16	16 1/4	15 1/4	16 1/4	17 1/2	18	15	37 1/8	16	2 1/4	13 1/4	14 1/4	14 1/4	32 5/8	26 1/8	60 5/8
35-1	6	2 3/16	3 1/4	11	19	18 1/2	18	21	19	20	26	9	1 1/2	18	7 1/2	9 1/2	22 5/8	23 3/4	45 1/2
-2	6	2 1/4	4 5/8	11	19	18 5/16	18 3/16	21	19	20	25 1/4	10	2 11/16	18 1/4	8 1/2	9 1/2	21 1/4	23 3/8	48 3/8
-3	8	3 1/4	5 11/16	13 1/2	19 1/16	18 1/4	18 3/8	21	18 1/2	19	31 1/8	13 1/2	2 1/4	17 7/16	11 1/4	11 1/4	26 5/8	24 3/8	53 1/4
-4	10	5	9 1/4	16	19	17 9/16	18 15/16	21	21 1/2	18 1/4	36 1/8	16	3 7/16	16 1/8	14 1/4	14 1/4	30 1/4	27 1/2	51
-5	12	8	10 1/4	19	19 1/4	17 1/2	19 1/2	21	21 1/2	17 1/2	40 3/4	19	3 1/2	15 1/4	17	17	34 5/8	29 1/2	45
40-3	8	3 1/4	6 1/2	13 1/2	21 1/2	20 9/16	20 15/16	24	23	22	30 7/8	13 1/2	3 7/16	19 5/8	11 3/4	11 3/4	26 1/4	28 1/2	52
-4	12	5 1/2	10 1/2	19	21 9/16	19 7/8	21 3/4	24	23	20 1/2	35 7/8	19	4 1/8	18 3/16	17	17	30 7/8	30 3/8	59 5/8
-5	12	9 1/8	11 3/4	19	21 1/4	19 3/4	22 1/4	24	25	20	43 1/2	19	4 1/4	17 3/4	17	17	38	35 7/8	67
45-3	9	4 1/4	7 5/16	13	22 1/4	21 1/4	23	23	25	22 1/2	30 1/4	Rectangular flange use above size 40	1 1/2	20 3/4	Rectangular flange use above size 40	11 1/4	29	30 1/2	53
-4	14	6 1/4	11 7/8	18 3/8	23 3/8	21 1/2	24 1/2	24	34	22 1/2	31 1/4		2	19 5/8		18 3/4	30	30 1/2	
-5	16	10 3/8	13 1/4	21	23 5/8	21 3/8	25 1/8	23	36	22 1/2	38 1/4		2	19 1/8		18 1/4	35	34 3/4	60
50-3	10	4 3/4	8 1/8	17 1/4	25 3/16	24 1/16	25 9/16	26	23	25	35		2 3/8	22 15/16		16	33	34	53
-4	15	6 7/8	13 1/8	19 7/8	25 7/8	23 3/4	27 1/4	25	23	25	38 3/4		1 1/2	21 5/8		18 1/4	35	35 1/4	63
-5	17 1/4	11 3/8	14 5/8	21	26 1/8	23 5/8	28 5/8	26	23	25	41 1/2	Rectangular flange use above size 40	1 3/8	21 1/8	Rectangular flange use above size 40	19 1/4	35 1/4	35 5/8	63
55-3	11	5 1/4	9	15 3/4	27 5/8	26 3/8	28 1/8	28	28 1/2	28	34 1/2		1 5/8	25 1/8		14	30 1/2	32	64
-4	17	7 5/8	14 1/2	21 3/8	28 3/8	26 1/16	29 15/16	27	34	27 1/2	37		3 1/8	23 3/4		19 5/8	36	35 3/4	64
-5	19	12 5/8	16 1/8	23	28 5/8	25 7/8	30 5/8	27	29	27 1/2	42 5/8		4 1/8	23 1/8		21 1/4	39 1/2	37 1/4	72
60-3	12	5 3/4	9 13/16	16 3/4	30 1/2	28 5/8	30 5/8	30	29	30	40 1/2		3 3/4	27 1/4	Rectangular flange use above size 40	15	35	36 1/4	62
-4	18	8 1/4	15 3/4	22 5/8	30 7/8	28 3/8	32 5/8	30	36 1/4	30	43 3/8	Rectangular flange use above size 40	1 1/8	25 7/8		20 7/8	37	37 1/2	71
-5	21	13 3/4	17 5/8	25 5/8	31 1/4	28 1/4	33 1/2	32	36	30	47 5/16		3 3/4	25 1/4		23 7/8	41	46 1/8	77
65-3	13	6 1/4	10 5/8	17 1/4	32 3/8	30 7/8	33 1/8	31	30	32	46 7/8		1 1/8	29 3/8		16	41 1/4	43	75
-4	20	9	17	24 11/16	33 3/8	30 5/8	35 3/8	33	36	32 1/2	43 1/2		1 3/4	27 7/8	Rectangular flange use above size 40	23	38 1/2	40 1/2	78
-5	22	14 7/8	19	26 3/8	33 3/4	30 1/2	36 1/4	33	36	32 1/2	52 3/8	Rectangular flange use above size 40	1 3/4	27 1/4		24 5/8	45 1/2	46	78
70-4	21 1/4	9 3/4	18 1/2	26 3/4	36	33	38 1/4	37	36	36	63 1/2		4	30		24 1/2	53 5/8	55 1/2	96 5/8
-5	24 3/8	16 1/8	20 3/4	29 1/4	36 3/8	33	39	35	36	32	51 9/16		2 1/4	29 5/8		27 1/2	47 7/8	50	81 5/8
75-5	26	17 1/4	22 1/4	31 1/4	38 7/8	35 1/4	41 3/4	39	37 3/4	34	67 1/8		3 3/4	31 5/8		29	57 1/2	59 3/4	99 1/2

Note : • Dimensions are approximate and should not be used in construction.
 • Dimension "H" is for horizontal discharge only. For up-blast discharge-add 1 1/2" to "E" for bottom horizontal add 3 1/2" to "G"

HPRB Dimensional Data



DESIGN 1	Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q1	Q2	Q3	OL
	251	6.75	11.00	2.63	2.88	11.63	21.50	4.75	12.75	13.44	13.06	13.00	22.00	5.00	3.25	18.25	20.50	39.25	22.19
	301	6.75	11.00	3.13	3.38	13.88	21.50	4.75	15.50	16.00	15.65	15.25	22.00	5.25	3.50	20.75	20.50	42.50	22.44
	351	8.75	13.50	3.75	3.50	16.25	27.00	5.50	17.75	18.63	18.13	18.00	28.00	6.50	3.50	24.00	20.50	46.38	22.50
	401	8.75	13.50	4.13	4.00	18.63	27.00	5.50	20.13	21.19	20.63	20.25	28.00	6.75	3.75	25.75	23.00	51.63	27.00
	451	8.75	13.50	4.75	4.25	20.94	32.50	6.75	23.00	23.81	23.19	23.25	36.00	7.00	4.75	28.75	24.50	55.13	27.13
	501	10.88	16.00	5.25	4.75	23.25	32.50	6.75	25.50	26.50	25.35	25.75	36.00	7.25	5.00	29.88	24.50	58.38	27.38
	551	10.88	16.00	6.00	4.75	25.56	38.00	6.75	28.00	29.00	28.50	28.25	42.00	7.25	5.00	31.88	24.50	61.75	27.38
	601	12.88	19.00	6.38	5.25	27.94	38.00	8.00	30.00	31.63	30.81	30.00	42.00	7.50	5.25	35.86	24.50	67.00	27.63
	651	12.88	19.00	6.75	6.50	30.19	44.00	6.38	32.59	34.44	33.50	33.00	48.00	10.13	5.88	NA	32.50	76.75	37.38
	701	12.88	19.00	7.38	7.00	32.50	44.00	6.69	35.75	37.06	36.06	36.00	48.00	10.38	6.13	NA	32.50	77.00	37.63
	751	14.75	21.00	7.88	7.50	34.94	50.00	6.94	38.25	39.75	38.25	38.50	54.00	10.63	6.38	NA	32.50	77.25	37.88
801	16.75	22.75	8.75	8.00	36.94	50.00	7.38	40.75	41.19	41.44	41.00	54.00	10.88	7.63	NA	34.50	78.50	38.13	
851	16.75	22.75	9.00	8.50	39.44	56.00	7.50	42.50	44.81	43.63	42.50	60.00	11.13	7.88	NA	34.50	78.75	38.38	
901	16.75	22.75	9.38	9.00	42.13	56.00	7.69	45.25	47.69	46.38	45.50	60.00	11.38	8.13	NA	34.50	79.00	38.63	

DESIGN 2

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q1	Q2	Q3	OL
252	6.72	11.00	3.81	3.88	11.19	21.50	4.50	12.63	13.69	13.19	13.50	22.00	5.50	3.75	18.75	21.00	39.75	22.69
302	8.72	13.50	4.56	4.38	13.25	21.50	5.50	15.00	16.13	15.56	16.00	22.00	6.88	4.00	21.25	21.00	43.00	22.94
352	10.88	16.00	5.56	4.50	15.56	27.00	5.50	17.63	19.00	18.31	18.75	28.00	7.00	4.00	24.50	21.00	46.88	23.00
402	10.88	16.00	6.19	5.00	17.69	27.00	5.50	19.94	21.44	20.69	21.50	28.00	7.38	4.25	28.13	23.50	54.50	27.50
452	12.88	19.00	7.00	5.25	20.00	32.50	6.75	22.44	24.19	23.31	24.25	36.00	7.50	5.25	30.63	23.50	57.50	26.13
502	12.88	19.00	7.69	5.75	22.31	32.50	6.75	24.88	26.88	25.88	26.75	36.00	7.75	5.50	34.63	23.50	65.75	26.38
552	14.75	21.00	8.81	5.75	24.50	38.00	8.00	27.44	29.56	28.50	29.25	42.00	7.75	5.50	34.63	23.50	65.75	26.38
602	14.75	21.00	9.50	6.25	26.63	38.00	8.00	29.75	32.00	30.88	32.00	42.00	8.00	5.75	34.88	23.50	66.00	26.63
652	16.75	20.25	10.00	8.25	28.94	44.00	8.00	32.44	34.81	33.63	35.00	48.00	11.00	6.75	NA	32.00	76.13	36.75
702	16.75	22.75	10.88	8.75	31.31	44.00	8.44	34.94	37.63	36.25	37.75	48.00	11.25	7.00	NA	32.00	76.38	37.00
752	18.75	24.75	11.50	9.50	33.69	50.00	8.75	37.31	40.31	38.81	40.25	54.00	11.63	7.38	NA	32.00	76.75	37.38
802	20.75	26.75	12.88	10.00	35.69	50.00	9.44	39.94	43.00	41.44	42.50	54.00	11.88	8.63	NA	34.00	78.00	37.63
852	20.75	26.75	13.50	10.63	37.75	56.00	9.75	42.13	45.38	43.75	45.25	60.00	12.19	8.94	NA	34.00	78.31	37.94
902	20.75	26.75	13.88	11.25	40.44	56.00	9.94	44.94	48.25	46.57	48.50	60.00	12.50	9.25	NA	34.00	78.63	38.25

DESIGN 3

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q1	Q2	Q3	OL
253	8.72	13.50	4.63	3.88	10.69	21.5	5.50	12.50	13.63	13.06	12.75	22.00	6.63	3.75	18.75	21.00	39.75	22.69
303	8.72	13.50	5.44	4.38	12.88	21.5	5.50	14.94	16.25	15.56	15.25	22.00	6.88	4.00	24.5	21.00	46.75	22.94
353	10.88	16.00	6.50	4.50	15.06	27.00	5.50	17.38	19.00	18.19	17.75	28.00	7.00	4.00	24.5	21.00	46.13	21.5
403	10.88	16.00	7.31	5.00	17.13	27.00	6.75	19.69	21.56	20.63	20.25	28.00	7.25	4.25	26.63	25.30	53.00	26.00
453	12.88	19.00	8.38	5.25	19.38	13.50	6.75	22.25	24.38	23.25	22.75	36.00	7.50	5.25	30.63	23.50	57.5	26.13
503	12.88	19.00	9.19	5.75	21.56	32.50	8.00	24.56	27.00	25.75	25.25	36.00	7.75	5.50	34.63	23.50	65.75	26.38
553	14.75	21.00	10.50	5.75	23.69	38.00	8.00	27.06	29.75	28.44	27.75	42.00	7.75	5.50	34.63	23.50	65.75	26.38
603	16.75	22.75	11.31	6.25	25.88	38.00	9.50	29.5	32.38	30.94	30.25	42.00	8.00	5.75	34.88	23.50	66.00	26.63
653	16.75	22.75	11.88	8.25	28.19	44.00	8.94	32.00	35.00	33.50	33.00	48.00	11.00	6.75	NA	32.00	76.13	36.75
703	18.75	24.75	10.00	8.75	32.13	44.00	8.00	34.63	38.00	36.25	35.38	48.00	11.25	7.00	NA	32.00	76.38	37.00
753	20.75	26.75	13.75	9.50	32.75	50.00	9.88	36.88	40.5	38.63	37.88	54.00	11.63	7.38	NA	32.00	76.75	37.38
803	20.75	26.75	15.25	10.00	34.75	50.00	10.63	39.38	43.25	41.38	40.38	54.00	11.88	8.63	NA	34.00	78.00	37.63
853	20.75	26.75	16.00	10.75	37.00	56.00	11.00	41.75	45.88	43.88	42.88	60.00	12.25	9.00	NA	34.00	78.38	38.00
903	24.75	30.75	16.05	11.25	39.38	56.00	11.25	44.38	48.5	43.38	45.63	60.00	12.50	9.25	NA	34.00	78.63	38.25



DESIGN 4

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q1	Q2	Q3	OL
254	8.72	13.50	7.13	5.88	9.75	21.50	6.75	12.13	14.25	13.19	12.75	22.00	7.63	4.75	20.50	20.50	42.25	22.19
304	10.88	16.00	8.44	6.38	11.75	21.50	8.00	14.44	16.94	15.69	15.25	22.00	7.88	5.00	24.00	20.50	46.25	22.44
354	12.88	19.00	10.00	7.00	13.63	27.00	8.00	16.69	19.75	18.25	17.75	28.00	8.25	5.25	27.63	20.50	49.75	22.75
404	12.88	19.00	11.31	7.50	15.63	32.50	9.00	19	22.44	20.75	20.25	28.00	8.50	5.50	28.75	24.50	55.13	27.25
454	14.75	21.00	12.88	8.50	17.63	32.50	10.50	21.44	25.25	23.31	22.75	36.00	9.13	6.88	36.00	24.50	63.13	27.75
504	16.75	20.50	14.19	9.38	19.50	38.00	9.09	23.69	27.94	25.75	25.25	36.00	9.56	7.31	36.44	25.50	67.56	28.19
554	18.75	22.25	16.00	10.63	21.50	38.00	10.00	26.13	30.75	28.44	27.75	42.00	9.88	7.94	37.06	25.50	68.19	28.81
604	20.75	24.25	17.31	11.50	23.50	44.00	10.66	28.38	33.56	30.94	30.25	42.00	10.31	8.38	37.50	26.50	68.63	29.25
654	20.75	24.25	18.38	12.25	26.44	44.00	12.19	30.88	36.50	33.75	33	48.00	13.00	8.75	NA	33.75	78.13	38.75
704	20.75	24.25	19.75	13.25	28.50	50.00	12.88	33.38	39.25	36.25	35.38	48.00	13.50	9.25	NA	34.25	78.63	39.25
754	24.75	30.75	21.25	14.00	30.44	50.00	13.63	35.56	41.94	38.63	37.88	54.00	13.88	9.63	NA	34.75	79.00	39.63
804	24.75	30.75	22.63	15.00	32.56	50.00	14.31	38.00	44.75	41.38	40.38	54.00	14.38	11.13	NA	36.50	80.50	40.13
854	28.75	34.75	24.00	16.00	34.69	56.00	15.00	40.25	47.56	43.81	42.88	60.00	14.88	11.63	NA	36.50	81.00	40.63
904	28.75	34.75	25.5	17.00	36.94	56.00	15.75	42.75	50.56	46.75	45.75	60.00	15.38	12.13	NA	37.00	81.50	41.13

DESIGN 5

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q1	Q2	Q3	OL
255	12.88	19.00	7.88	6.88	9.56	21.50	8.00	12.00	14.56	13.31	12.75	22.00	8.00	5.25	21.00	21.00	42.75	22.69
305	14.75	21.00	9.38	7.63	11.50	21.50	8.00	14.31	17.38	15.81	15.25	22.00	8.50	5.63	24.50	21.00	47.00	23.06
355	16.75	22.75	11.06	8.50	13.65	27.00	9.00	16.66	20.19	18.44	17.75	28.00	9.00	6.00	28.38	21.50	50.50	23.50
405	18.75	24.75	12.50	9.50	15.38	27.00	10.50	18.94	23.00	20.94	20.25	28.00	9.50	6.50	29.75	24.25	56.13	28.25
455	20.75	26.75	14.25	10.50	17.31	32.50	9.13	21.25	25.81	23.56	22.75	36.00	10.00	7.88	37.00	25.75	68.13	28.75
505	20.75	26.75	15.75	11.50	19.50	32.50	9.88	23.56	28.56	26.06	25.25	36.00	10.63	8.38	37.50	26.25	68.63	29.25
555	24.75	30.75	17.75	12.50	21.13	38.00	10.88	26.00	31.50	28.75	27.75	42.00	10.81	8.88	38.00	26.75	69.13	29.75
605	28.75	34.75	19.13	13.50	23.13	38.00	11.56	28.25	34.31	31.25	30.25	42.00	11.31	9.38	38.50	27.25	69.63	30.25
655	28.75	34.75	21.25	15.50	25.88	44.00	13.63	30.75	37.38	34.00	33.00	48.00	14.63	10.38	NA	36.38	79.75	40.38
705	30.75	36.75	22.25	16.75	28.19	44.00	14.13	33.06	40.19	36.63	35.38	48.00	15.25	11.00	NA	36.00	80.38	41.00
755	30.75	36.75	23.50	17.75	30.19	50.00	14.75	35.38	42.81	39.06	37.88	54.00	15.75	11.50	NA	36.50	80.88	41.50
805	32.75	38.75	25.75	19.00	32.06	50.00	15.88	37.81	45.81	41.81	40.38	54.00	16.38	13.13	NA	38.00	82.50	42.13
855	36.75	42.75	27.13	20.25	34.19	56.00	16.56	40.00	48.63	44.25	42.88	60.00	17.00	13.75	NA	38.75	83.13	42.75
905	36.75	42.75	29.50	21.50	36.13	56.00	17.75	42.56	51.75	47.06	45.75	60.00	17.63	14.38	NA	39.50	83.75	43.38

- All dimensions are approximate and should not be used for construction.
- The "Q3" dimension for all Arrangement 4 and 8 fans is based on maximum motor horse power.
- For dimensions of discharges not shown, please contact factory.
- Sizes upto 120 inches in housing diameter are available for larger applications.



BLOWERS Specifications 'P' Type

ABBOTT AIR SYSTEMS

'P' Type Blowers are designed to meet the intermediate pressure range. Variation in impeller design make these blowers useful for many applications. Predominantly used for coal Hearth blowing cooling and induced draught application.

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm
	HB8-1-350	1	10	350
	HB8-5-600	1.5	17	600
	HB8-2-700	2	20	700
	HB8-3-1100	3	31	1100
	HB8-5-2000	5	57	2000
	HB 8-7.5-3200	7.5	91	3200
	HB8-10-4200	10	120	4200
200/8	HB8-15-6200	15	177	6200
	HB8-20-8200	20	234	8200
	HB8-25-10500	25	300	10500
	HB8-30-12700	30	363	12700
	HB8-40-16900	40	483	16900
	HB8-50-20700	50	591	20700
	HB8-60-25500	60	729	25500
	HB10-1-250	1	7	250
	HB10-1.5-500	1.5	14	500
	HB10-2-600	2	17	600
250/10	HB10-3-1000	3	29	1000
	HB10-5-1600	5	46	1600
	HB10-7.5-2500	7.5	71	2500

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm
	HB10-10-3200	10	91	3200
	HB10-15-5000	15	143	5000
	HB10-20-6700	20	191	6700
	HB10-25-9500	25	271	9500
250/10	HB10-30-10200	30	291	10200
	HB10-40-13500	40	386	13500
	HB10-50-16900	50	483	16900
	HB10-60-20300	60	580	20300
	HB12-2-500	2	7	500
	HB12-3-800	3	23	800
	HB12-5-1300	5	37	1300
	HB12-7.7-2200	7.5	63	2200
	HB12-10-2800	10	80	2800
	HB12-15-4200	15	120	4200
300/12	HB12-20-5500	20	157	5500
	HB12-25-6800	25	194	6800
	HB12-30-8700	30	249	8700
	HB12-40-11300	40	323	11300
	HB12-50-14200	50	406	14200
	HB12-60-17000	60	486	17000

V offered only in V-belt Drive

ORDER MUST SPECIFY
BLOWER DESIGNATION
DRIVE ARRANGEMENT : DIRECT, V-BELT OR COUPLED

MOTOR TYPE AND LINE VOLTAGE
DISCHARGE POSITION
OPTIONS



'P' Blowers are specially designed for Cupola operation and other forced drought application.

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm
	CB16-2-400	2	11	400
	CB16-3-600	3	17	600
	CB16-5-1000	5	29	1000
	CB16-7.5-1600	7.5	46	1600
	CB16-10-2100	10	60	2100
	CB16-15-3200	15	91	3200
400/16	CB16-20-4200	20	120	4200
	CB16-25-5300	25	151	5300
	CB16-30-6300	30	180	6300
	CB16-40-8500	40	243	8500
	CB16-50-10600	50	303	10600
	CB16-60-12800	60	366	12800
	CB18-2-350	2	10	350
	CB18-3-550	3	16	550
	CB18-5-900	5	26	900
	CB18-7.5-1450	7.5	41	1450
	CB18-10-1800	10	51	1800
	CB18-15-2800	15	80	2800
450/18	CB18-20-3700	20	106	3700
	CB18-25-4700	25	134	4700
	CB18-30-5600	30	160	5600
	CB18-40-7500	40	214	7500
	CB18-50-9400	50	269	9400
	CB18-60-11300	60	333	11300

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm
	CB20-3-500	3	14	500
	CB20-5-800	5	23	820
	CB20-7.5-1250	7.5	36	1256
	CB20-10-1650	10	47	1650
	CB20-15-2500	15	71	2500
500/20	CB20-20-3350	20	96	3350
	CB20-25-4200	25	120	4200
	CB20-30-5100	30	146	5100
	CB20-40-6700	40	191	6700
	CB20-50-8400	50	240	8400
	CB20-60-10200	60	291	10600
	CB24-3-400	3	11	400
	CB24-5-700	5	20	700
	CB24-7.5-1000	7.5	29	
	CB24-10-1400	10	40	1400
	CB24-15-2100	15	60	2100
600/24	CB24-20-2800	20	80	800
	CB24-25-3500	25	100	3500
	CB24-30-4200	30	120	4200
	CB24-40-5600	40	160	5600
	CB24-50-7100	50	203	7100
	CB24-60-8500	60	243	8500

V offered only in V-belt Drive

ORDER MUST SPECIFY
 BLOWER DESIGNATION
 DRIVE ARRANGEMENT : DIRECT, V-BELT OR COUPLED

MOTOR TYPE AND LINE VOLTAGE
 DISCHARGE POSITION
 OPTIONS



BLOWERS Specifications 'P' Type

'P' type Blower shave radially tipped bladed impellers. Essentially develop that 'Flat Pressure' characteristic with high efficiency. Mostly used for combustion air where static pressure variation should be minimum.

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm	Static Pressure mm WG
	SP38-3-300	3	9	300	680
	SP28-5-500	5	14	500	680
	SP28-7.5-750	7.5	22	750	680
	SP28-10-1050	10	30	1050	680
	SP28-15-1550	15	45	1550	680
700/28	SP28-20-2100	20	60	2100	665
	SP28-25-2650	25	75	2650	665
	SP28-30-3150	30	90	3150	665
	SP28-40-4200	40	119	4200	655
	SP28-50-5250	50	140	5260	655
	SP-28-60-6250	60	178	6250	655
	SP32-3-250	3	8	250	780
	SP32-5-450	5	13	450	785
	SP32-7.5-700	7.5	19	700	785
700/32	SP32-10-900	10	20	900	785
	SP32-19-1400	15	40	1400	780
	SP32-20-1850	20	53	18500	780

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm	Static Pressure mm WG
	SP32-25-2300	25	65	2200	770
	SP32-30-2750	30	78	2750	775
800/32	SP32-40-3700	40	104	3700	700
	SP32-50-4600	50	130	4000	760
	SP32-60-5500	60	150	5500	760
	SP36-2-225	3	6	225	885
	SP36-5-400	5	11	400	885
	SP36-7.5-600	7.5	17	600	885
	SP36-10-800	10	23	800	885
	SP36-15-1200	15	35	1200	885
900/36	SP36-20-1650	20	47	1650	885
	SP36-25-2050	25	58	2050	875
	SP36-30-2450	30	70	2450	875
	SP36-40-3300	40	94	3300	860
	SP36-50-4100	50	116	4100	860
	SP26-60-4900	60	130	4000	860

Note :

Pressures indicated have to be corrected for temperature by $\frac{293}{\text{Duct temp. In } ^\circ\text{C} + 273}$

The multiplying factor :-

Duct temp. In $^\circ\text{C} + 273$

Duct Temperature = Ambient temperature + 10° for HP 40 Series + 12° for HPT 44 & HPT 48 Series

For altitude more than 100 M, pressure and volume have to be corrected. Consult abbott for selection.

Pressure and volume correspond to supply frequency of 50 Hz and will change with change in supply frequency which may vary by $\pm 2\%$ as per Indian electricity regulation.

ORDER MUST SPECIFY
BLOWER DESIGNATION
DRIVE ARRANGEMENT : DIRECT, V-BELT OR COUPLED

MOTOR TYPE AND LINE VOLTAGE
DISCHARGE POSITION
OPTIONS



ABBOTT AIR SYSTEMS

**BLOWERS Specifications
HP Series, HPT Series**

'P' type Blowers are high pressure type with radially tipped bladed impeller. Highly efficient in performance. Maintain reasonable Flat pressure,. Most suitable for combustion air where high efficiency and flat pressure characteristic are important.

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm	Static Pressure mm WG
	HP40-5-350	5	10	350	985
	HP40-7.5-550	7.5	15	550	985
	HP40-10-700	10	21	700	985
	HP40-15-1100	15	31	1100	985
1000/40	HP40-20-1450	20	42	1450	985
	HP40-25-1850	25	52	1800	985
	HP40-30-2200	30	63	2200	985
	HP40-40-2950	40	84	2950	970
	HP40-50-3700	50	105	3700	970
	HP40-60-4400	60	124	4400	970
	HPT44-5-300	5	9	300	1085
	HPT44-7.5-500	7.5	14	500	1085
1100/44	HPT44-10-650	10	19	650	1085
	HPT44-15-1000	15	28	1000	1075
	HPY44-20-1300	20	38	1300	1075

Pressure mm/in WG	Blower Designation	Motor HP	Air Nm ³ /mm	cfm	Static Pressure mm WG
	HPT44-25-1550	25	47	1650	1040
	HPT44-30-2050	30	58	2050	1075
1100/44	HPT44-40-2700	40	77	2700	1040
	HPT44-50-3350	50	95	3350	1040
	HPT44-60-4000	60	113	4000	1035
	HPT48-5-250	5	8	250	1180
	HPT48-7.5-450	7.5	13	450	1180
	HPT48-10-600	10	17	600	1180
	HPT48-15-900	15	26	900	1170
	HPT48-20-1200	20	34	1200	1170
1200/48	HPT48-25-1500	25	43	1500	1170
	HPT48-30-1800	30	52	1800	1170
	HPT48-40-2450	40	70	2450	
	HPT48-50-3000	50	86	3000	1140
	HPT48-60-3650	60	104	3650	1140

Note :
Pressures indicated have to be corrected for temperature by

$$\frac{293}{\text{Duct temp. In } ^\circ\text{C} + 273}$$
The multiplying factor :-
Duct Temperature = Ambient temperature + 10° for HP 40 Series + 12° for HPT 44 & HPT 48 Series
For altitude more than 100 M, pressure and volume have to be corrected. Consult abbott for selection.
Pressure and volume correspond to supply frequency of 50 Hz and will change with change in supply frequency which may vary by ± 2% as per Indian electricity regulation.

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DRIVE ARRANGEMENT : DIRECT, V-BELT OR COUPLED
MOTOR TYPE AND LINE VOLTAGE
DISCHARGE POSITION
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