"Hindustan Blowers & Systems"

Leaders in Blower & Technology

- Twin / Tri Lobe Air Blower
- Twin / Tri Lobe Water Cooled Blower
- Twin / Tri Lobe Gas Blower
- Twin / Tri Lobe Vacuum Blower
- Twin / Tri Lobe Aquaculture Blower
- Acoustics Enclosure

ENGINEERING | EVALUATION | DESIGNING |
MANUFACTURING | TESTING | EXECUTION | POST SALES & SERVICE

"Hindustan Blowers & Systems"

Manufacturing of Twin Lobe Rotary Air Blowers, Water cooled Blowers, Gas Blowers, Vacuum Blowers and acoustic enclosures. The company has consistently strengthened its manufacturing base, producing a wide range of products. These wide-ranging products and the technical

Expertise gained over the years have enabled HINDUSTAN BLOWER to serve various segments of industry such as water treatment plants, effluent treatment plants, cement plants, aquaculture Plant ,chemical & pharmaceutical plants, food processing units, waste oil re-refining units, paper plants, vacuum plants and systems and pneumatic conveying systems.

The blowers find use in applications requiring medium pressure air such as aeration in sewage treatment and effluent treatment plants, filter backwash, agitation of electrolyte, pneumatic conveying, regeneration of dryers & molecular sieves, maintaining BOD of water etc.

The mechanical developed by the company, finds use in chemical and pharmaceutical processes, bulb and tube light production, waste oil re-refining, roll and object metallizing, vegetable oil deodorization, solvent recovery, vacuum drying, tray drying, vacuum distillation, thin film deposition, molecular distillation, vacuum furnace, transformer oil dehumidification, chemical laser, evaporative cooling etc.

We are concentrating more on application engineering and in helping our customer's save on their processes. This innovation has not only compensated on our general sales but even helped us to outperform on our targets. Our application oriented R&D has made it possible to cover wider areas of application, offering cost effective and energy efficient solutions thus creating larger market demand for our product.

A focus on innovative design and high quality machined parts has earned HINDUSTAN BLOWER a reputation for excellent workmanship amongst its users.

HINDUSTAN BLOWER has offered its customers quality, cost-effective machines necessary to meet the changing technology. Our commitment to total quality in both our products and services is the foundation upon which our future business is based.

Design & manufacture of mechanical vacuum boosters for replacement of steam jet ejectors.

We know that performance of the OEM's design ultimately depends on the quality and dependability of its components. That's why so many manufacturers of Water Treatment Plants, Effluent Treatment Plants, Cement Plants, Aquaculture Farms, Chemical Plants, Paper Plants, Vacuum Plants and Systems, and Pneumatic Conveying Systems have entrusted their reputation to HINDUSTAN BLOWER. Our broad product line of Roots Blowers/Compressors (Bi-lobe & Tri-lobe) (Air/Gas Duty), Mechanical Vacuum Boosters & Acoustic Hoods consists of standard and custom models that fall into major product group.

The hallmark of our commitment to quality is our International Standards Organization (ISO) registration This ensures that our OEM customers receive products of highest quality..

PERFORMANCE CHART

HINDUSTAN BLOWERS

Model No.	SPEED (RPM)	0.1Kg/cm2		0.2Kg/cm2		0.3Kg/cm2		0.4Kg/cm2		0.5Kg/cm2		0.6Kg/cm2		0.7Kg/cm2		OPENING MM NB	Standard Orientation
		M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP		
HB-365	900	40	0.55	30	0.75	22	1.0	15	1.25	9	1.5	4	1.7			40	VF
	1200	62	0.7	51	1.0	43	1.3	37	1.65	31	1.95	25	2.3				
	1500	83	0.85	73	1.25	65	1.65	59	2.05	52	2.5						
HB-M42	800	57	0.6	46	0.9	38	1.2	31	1.5	25	1.8	20	2.1	15	2.4	40	HF
	1100	88	0.8	77	1.2	69	1.6	62	2.0	56	2.5						
	1400	118	1.3	108	1.6	100	2.1	93	2.6								
HB-42	1000	77	0.7	67	1.1	59	1.5	52	1.9	46	2.2	40	2.6	35	3.0	40	HF
	1200	98	0.9	87	1.3	79	1.8	72	2.2	66	2.7	61	3.1	56	3.6		
	1500	129	1.1	118	1.7	110	2.2	103	2.8	97	3.4	92	3.9	87	4.5		
HB-44	900	97	0.9	82	1.3	70	1.8	60	2.3	81	2.8	43	3.3	36	3.8	80	HF
	1200	142	1.1	127	1.8	115	2.4	105	3.1	96	3.8	88	4.4				
	1500	187	1.4	172	2.2	160	3.1	150	3.9	141	4.7	133	5.5				
HB-47	900	135	1.12	115	1.8	100	2.5	85	3.11	75	3.85					80	HF
	1200	196	1.5	176	2.4	160	3.3	148	4.2	136	5.1						
	1500	257	1.9	237	3.0	222	4.1	208	5.2	197	6.35						
HB-53	900	165	1.4	150	2.2	137	2.9	127	3.6	118	4.4	110	5.1	103	5.8	80	VF
	1200	232	1.9	216	2.9	205	3.8	194	4.8	185	5.8	177	6.8	170	7.8		
	1500	300	2.4	283	3.6	272	4.8	262	6.0	253	7.3	245	8.5	237	9.7		
HB-55	900	205	1.6	182	2.5	165	3.5	150	4.4	137	5.4	125	6.3	115	7.3	80	VF
	1200	291	2.1	269	3.4	251	4.6	236	5.9	223	7.2	212	8.4				
	1500	378	2.6	355	4.2	338	5.8	323	7.4	310	9.0	298	10.5				
HB-57	900	287	2.0	255	3.3	230	4.6	210	5.9	192	7.3	175	8.6			100	RA
	1200	408	2.6	376	4.4	350	6.1	331	7.9	313	9.7						
	1500	530	3.3	497	5.5	473	7.7	452	9.9	434	12.1						
HB-59	900	402	2.7	364	4.5	335	6.3	310	8.0							100	VF
	1200	567	3.6	529	6.0	500	8.4	475	10.8								
	1500	731	4.5	693	7.5	664	10.5										
HB-65	900	263	2.1	232	3.4	209	4.6	190	5.8	172	7.0	157	8.3	142	9.5	80	VF
	1200	375	2.8	345	4.5	321	6.1	302	7.7	284	9.4	269	11.0	254	12.6		
	1500	487	3.5	457	5.6	433	7.6	414	9.7	396	11.7	380	13.7	366	15.8		
HB-67	900	398	2.7	353	4.6	319	6.4	291	8.3	266	10.1	243	11.9	222	13.8	100	VF
	1200	566	3.6	521	6.1	488	8.6	459	11.0	434	13.5	411	15.9	390	18.4		
	1500	734	4.6	690	7.6	656	10.7	627	13.8	602	16.8	579	19.9	558	23.0		
HB-610	900	531	3.4	472	5.8	427	8.3	388	10.7	355	13.2	324	15.6	296	18.1	125	VF
	1200	756	4.5	697	7.8	651	11.0	613	14.3	579	17.6	549	20.9	521	24.1		
	1500	980	5.6	921	9.7	876	13.8	838	17.9	804	22.0	774	26.1	746	30.2		
HB-615	900	808	4.7	725	8.3	662	12.0	604	15.7							150	VF
	1200	1144	6.2	1061	11.1	998	16.0	944	20.9								
	1500	1480	7.8	1400	13.9	1334	20.0	1280	26.2								
HB-78	900	705	4.2	655	7.2	617	10.2	585	13.2	556	16.2	531	19.2	507	22.2	125	VF
	1200	980	5.6	930	9.6	892	13.6	860	17.6	831	21.6	806	25.6	782	29.6		
	1500	1255	7.0	1205	12.0	1167	17.0	1135	22.0	1107	27.0	1081	32.0	1057	37.0		
HB-710	900	884	4.9	823	8.7	776	12.5	736	16.2	702	20.0	670	23.7	641	27.5	125	VF
	1200	1228	6.6	1167	11.6	1120	16.6	1080	21.6	1045	26.6	1014	31.7	985	36.7		
	1500	1572	8.2	1511	14.5	1464	20.8	1424	27.0	1389	33.3	1358	39.6	1329	45.8		
HB-713	900	1145	6.1	1064	10.9	1002	15.8	950	20.7	904	25.6	862	30.5	824	35.4	150	VF
	1200	1591	8.1	1510	14.6	1448	21.1	1396	27.6	1350	34.1	1308	40.6				
	1500	2039	10.1	1958	18.2	1895	26.4	1843	34.5	1797	42.7	1755	50.8				
HB-717	900	1499	7.9	1393	14.3	1312	20.7	1244	27.1							200	VF
	1200	2084	10.6	1978	19.1	1897	27.6	1828	36.2								
	1500	2668	13.2	2562	23.9	2481	34.5	2413	45.2								
HB-812	900	1279	8.8	1216	14.0	1168	19.2	1127	24.5	1091	29.7	1059	34.9	1030	40.1	150	VF
	1200	1755	11.8	1693	18.7	1645	25.7	1604	32.6	1568	39.6	1536	46.5	1506	53.5		
	1500	2232	14.7	2170	23.4	2122	32.1	2080	40.8	2045	49.5	2012	58.1	1983	66.9		
HB-816	900	1705	10.6	1621	17.5	1557	24.5	1502	31.4	1456	38.4	1413	45.3			200	VF
	1200	2340	14.1	2256	23.3	2192	32.6	2138	41.9	2090	51.1	2048	60.4				
	1500	2976	17.6	2892	29.2	2828	40.8	2775	52.4	2727	64.0						
HB-820	900	2130	12.3	2027	21.0	1880	38.4									200	VF
	1200	2925	16.4	2822	28.0	2673	51.2										
	1500	3720	20.5	3615	35.0	3468	64.0										
HB-1012	900	2185	13.4	2078	22.3	1995	31.2	1927	40.2	1867	49.1	1810	58.0	1760	66.9	200	VF
	1200	3000	17.9	2893	29.8	2810	41.6	2743	53.6	2680	65.4	2625	77.3	2527	89.2		
	1450	3680	21.6	3573	36.0	3490	50.3	3420	64.7	3360	79.1	3305	93.4	3255	108.0		
HB-1016	900	2937	16.5	2793	28.5	2683	40.4	2590	52.4	2507	64.4	2433	76.4	2365	88.4	250	VF
	1200	4032	22.0	3890	38.0	3778	53.9	3683	69.9	3602	85.9	3527	102.0	3460	118.0		
	1450	4945	26.6	4800	45.8	4690	65.2	4598	84.5	4515	104.0	4440	123.0	4373	142.0		
HB-1020	900	3755	19.8	3573	35.1	3430	50.5	3310	65.8	3205	81.1	3110	96.4			250	VF
	1200	5157	26.4	4759	46.9	4830	67.3	4713	87.7	4608	108.0	4513	129.0				
	1450	6325	31.9	6140	56.6	6000	81.3	5880	106.0	5775	131.0	5680	155.0				
HB-1024	900	4415	22.5	4195	40.5	4030	58.5	3890	76.5	3765	94.5					300	VF
	1200	6060	30.0	5840	54.0	5675	78.0	5535	102.0	5410	126.0						
	1450	7430	36.3	7210	65.2	7045	94.2	6905	123.0	6780	152.0						
HB-1220	800	4910	23.55	4722	43.1	4583	62.66	4459	82.15	4355	101.72	4260	121.28	4172	140.82	350	RA
	1000	6250	29.50	6065	53.9	5923	78.34	5800	102.73	5695	127.18	5596	151.53	5511	176.03		
	1200	7588	35.33	7401	64.64	7259	93.97	7140	123.3	7035	152.63	6936	181.88				

Conversion: 1m3/hr = 0.588 CFM; 1000 MMWG = 1.42 PSIG = 0.1 Kg/cm2 = 100 Mbar
Avg. Line Friction losses of 0.5 PSI per 100 ft length of Pipe.
Estimated rise of discharge air temperature may be taken as 12°C per 0.1 Kg/cm2 pressure.

PERFORMANCE CHART

WATER COOLED SERIES

MODEL	SPEED	5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG		9000 MMWG		10000 MMWG		COOLING WATER	OPENING mm NB	STANDARD ORIENTATION
	(RPM)	m3 / hr	BHP	m3 / hr	BHP	m3 / hr	BHP	m3 / hr	BHP	m3 / hr	BHP	m3 / hr	BHP			
53WC	960	132	4.6	124	5.4	116	6.2	110	7	103	7.8	97	8.6	4-5 LPM	80	VF
	1200	186	5.8	178	6.8	170	7.8	163	8.7	157	9.7	151	10.7			
	1500	253	7.3	245	8.5	238	9.7	231	10.9	224	12.2	218	13.4			
55WC	960	154	5.7	142	6.7	132	7.7	122	8.8	112	9.8	103	10.8	4-5 LPM	80	VF
	1200	224	7.2	212	8.4	201	9.7	191	10.9	181	12.2					
	1440	293	8.6	281	10.1	270	11.6	260	13.1							
65WC	1000	210	7.8	194	9.2	179	10.5	166	11.9	153	13.3	141	14.6	5-6 LPM	80	VF
	1300	322	10.2	306	11.9	292	13.7	278	15.5	266	17.2	254	19			
	1600	434	12.5	418	14.7	404	16.9	390	19	378	21.2	366	23.4			
67WC	1000	322	11.2	299	13.3	278	15.3	258	17.3	240	19.4	223	21.4	5-6 LPM	100	VF
	1300	490	14.6	467	17.2	446	19.9	427	22.5	408	25.2	391	27.9			
	1600	658	17.9	635	21.2	615	24.5	595	27.8	577	31	559	34.3			
610WC	1000	430	14.7	400	17.4	371	20.1	345	22.8	321	25.6	298	28.3	6-8 LPM	125	VF
	1300	655	19	624	22.6	596	26.1	570	29.7	546	33.2					
	1500	805	22	774	26.1	746	30.2	720	34.3							
78WC	1000	649	18	623	21.4	600	24.7	578	28	557	31.4	537	34.7	6-8 LPM	125	VF
	1300	924	23.4	898	27.8	875	32.1	853	36.5	832	40.8	813	45.2			
	1600	1200	28.8	1174	34.2	1150	39.5	1128	44.9	1108	50.2	1088	55.6			
710WC	1000	817	22.2	786	26.4	757	30.6	730	34.7	704	38.9	680	43.1	8-10 LPM	125	VF
	1300	1161	28.9	1130	34.3	1101	39.7	1074	45.2	1049	50.6	1025	56			
	1600	1506	35.5	1474	42.2	1445	48.9	1418	55.6							
812WC	1000	1252	33	1219	38.8	1190	44.6	1162	50.4	1136	56.2	1111	61.9	10-12 LPM	150	VF
	1200	1570	39.6	1538	46.5	1508	53.5	1480	60.4	1454	67.4	1430	74.3			
	1440	1952	47.5	1919	55.8	1890	64.2	1862	72.5							
1012WC	1000	2140	54.5	2084	64.4	2034	74.3	1986	84.2	1942	94.2	1900	104.1	10-12 LPM	200	VF
	1200	2684	65.4	2628	77.3	2578	89.2	2530	101.1	2486	113	2444	124.9			
	1440	3336	78.5	3281	92.8	3230	107.1	3183	121.3	3138	135.6	3096	149.8			
1016WC	1000	2875	71.6	2801	84.9	2733	98.2	2669	111.5	2609	124.8	2553	138.1	16-18 LPM	250	VF
	1200	3606	85.9	3532	101.8	3464	117.8	3400	133.8	3340	149.8	3284	165.7			
	1440	4483	103	4409	122.2	4341	141.4	4277	160.5							

Conversion: 1m3/hr = 0.588 CFM; 1000 MMWG = 1.42 PSIG = 0.1 Kg/cm2 = 100 Mbar
Avg. Line Friction losses of 0.5 PSI per 100 ft length of Pipe.
Estimated rise of discharge air temperature may be taken as 12°C per 0.1 Kg/cm2 pressure.

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PRV

BALL BEARING

GEAR

OIL SEAL

PACKAGE BLOWER

FILTER

PRESSURE GAUGE

NRV

ROTOR

"Hindustan Blowers & Systems"

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