



AN ISO-9001 : 2015 CERTIFIED ORGANIZATION

ROOTS BLOWERS MANUFACTURERS

TWIN LOBE ROOTS BLOWERS

Twin-lobe Rotary Air Blowers
Twin Lobe Rotary Gas Blowers
Acoustic Hoods Enclosures
ETP / STP Blowers
Aquaculture Blower
PD Blower

ENGINEERING

EVALUATION

DESIGNING

MANUFACTURING

TESTING

EXECUTION

POST SALES & SERVICE



Blowvacc Transmission Private Limited

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BLOWVACC ROOTS BLOWER

Blowvacc Roots Blower/Pumps means reliability, availability and maintainability. BLOWVACC is committed to supplying our customers with reliable products manufactured with state of the art technologies. A complete range of 100% OIL FREE Air blowers is available for flow rates from 05 m³/hr to 10,000 m³/hr in single stage and parallel configuration for working pressure range up to 1 kg/cm². They are available as total package units, ready to install or as bare blower units for replacement.

WHY BLOWVACC TWIN LOBE ROOTS TYPE BLOWERS ?

- 1.) Economical Price
- 2.) Superior Quality
- 3.) 100% oil free air delivery.
- 4.) One years onsite warranty
- 5.) Very Low Noise & Vibration
- 6.) Experienced & Energetic Team
- 7.) Application Engineering Support
- 8.) 12000 blower's installation all over India
- 9.) Dynamically balanced rotor shaft assembly.
- 10.) Delivery redefined-Ex stock up to 1200 m³/hr
- 11.) Capable to provide any make blower maintenance support
- 12.) Prompt Pre & post sale service (within 48 hours time all over India)
- 13.) Fast growing & dedicated company in the field of Roots Blower Mfg.
- 14.) State of the art VMC & CNC Machining & Testing Facility
(BS 1571 & ISO 1217 Standard)
- 15.) All major components are interchangeable making
BLOWVACC the first & only manufacturer to attain the same.

DESIGN AND CONSTRUCTION FEATURES

- Anti-friction bearings
- Performance testing as per standard test procedure STP-01 based on BS-1571-2 : 1975 and ISO 1217:2009
- All blowers are manufactured on state of the art, imported CNC machines, machined to close tolerances with high degree of accuracy on profile machining, ensuring high volumetric efficiency.
- Rigid one piece CI casing & end plates.
- Large Inlet & Outlet connections for minimal loss
- Horizontal & Vertical configurations available
- Alloy steel hardened and ground timing gears, oil splash lubricated.

We are working to provide you better product and services

PRODUCT RANGE : ROOTS BLOWER, STP/ETP BLOWER, OIL FREE BLOWER, AQUA CULTURE BLOWER, VACUUM BOOSTER, FISH FARMING BLOWER, ACCOUSTIC HOOD,

website : www.blowvacc.com

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Call : +91-9466078330



BLOWVACC TWIN LOBE ROTARY AIR COMPRESSORS

This table features the different Blowvacc Roots Blower models specifying its air flow (m3/hr), pressure (kg/cm²) and speed (rpm) performance.

MODEL	IN./OUT.	SPEED	0.1 kg/cm ²		0.2 kg/cm ²		0.3 kg/cm ²		0.4 kg/cm ²		0.5 kg/cm ²		0.6 kg/cm ²		0.7 kg/cm ²		STANDARD
	(MM)	RPM	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKV	ORIENTATION
BV-42	40	1100	87	0.6	77	0.9	69	1.2	62	1.5	56	1.8	51	2.1	46	2.4	HORIZONTAL
		1300	108	0.7	97	1.1	89	1.4	82	1.8	76	2.2	71	2.5	66	2.9	
		1500	128	0.8	118	1.2	110	1.7	103	2.1	97	2.5	92	2.9	87	3.3	
BV-44	65	1100	127	0.8	112	1.2	100	1.7	90	2.1	81	2.6	74	3.0	66	3.5	HORIZONTAL
		1300	157	0.9	141	1.4	130	2.0	120	2.5	111	3.0	103	3.6	96	4.1	
		1500	187	1.1	171	1.7	159	2.3	149	2.9	141	3.5	133	4.1	125	4.7	
BV-47	80	1100	235	1.3	209	2.2	189	3.0	172	3.8	140	4.2					VERTICAL/ HORIZONTAL
		1300	290	1.6	263	2.6	243	3.5	227	4.5	180	5.1					
		1500	344	1.8	318	2.9	298	4.1	271	5.2	235	5.8					
BV-53	80	1100	209	1.3	193	2.0	181	2.6	171	3.3	163	4.0	155	4.6	147	5.3	HORIZONTAL
		1300	254	1.5	238	2.3	226	3.1	216	3.9	207	4.7	199	5.5	192	6.3	
		1500	298	1.8	283	2.7	271	3.6	261	4.5	252	5.4	244	6.3	237	7.2	
BV-55	80	1100	262	1.4	239	2.3	222	3.2	207	4.0	194	4.9	182	5.8	172	6.6	HORIZONTAL
		1300	320	1.7	297	2.7	279	3.7	265	4.8	252	5.8	240	6.8	229	7.8	
		1500	377	2.0	355	3.1	337	4.3	322	5.5	309	6.7	298	7.8	287	9.0	
BV-57	100	1100	351	1.9	320	3.0	295	4.1	275	5.1	255	6.9	220	7.9			VERTICAL/ HORIZONTAL
		1300	430	2.2	400	3.5	375	4.8	355	6.1	335	7.8	300	10.0			
		1500	510	2.6	475	4.1	455	5.7	430	7.1	418	8.9	380	10.9			
BV-59	100	1100	501	2.5	459	4.1	427	5.7	400	7.4	330	8.42					VERTICAL/ HORIZONTAL
		1300	611	2.9	569	4.8	537	6.8	509	8.7	440	10.11					
		1500	720	3.4	678	5.6	646	7.8	619	10.1	550	11.8					
BV-67	100	1100	509	2.5	464	4.2	431	5.9	402	7.5	377	9.2	354	10.9	333	12.6	VERTICAL
		1300	620	3.0	576	4.9	542	6.9	514	8.9	489	10.9	466	12.9	445	14.8	
		1500	732	3.4	688	5.7	654	8.0	626	10.3	601	12.6	578	14.8	557	17.1	
BV-610	125	1100	680	3.1	621	5.3	575	7.5	537	9.8	504	12.0	473	14.3	445	16.5	VERTICAL
		1300	829	3.6	770	6.3	725	8.9	687	11.6	653	14.2	623	16.9	595	19.5	
		1500	979	4.2	920	7.2	874	10.3	836	13.3	803	16.4	772	19.5	744	22.5	
BV-615	150	1100	1031	4.3	948	7.6	884	11.0	831	14.3	675	16.4					VERTICAL
		1300	1254	5.0	1171	9.0	1108	13.0	1054	16.9	900	19.5					
		1500	1478	5.8	1395	10.4	1332	14.9	1278	19.5	1120	22.6					
BV-78	125	1000	795	3.2	746	5.7	707	8.2	675	10.7	647	13.2	621	15.7			VERTICAL
		1200	978	3.8	929	6.8	891	9.8	858	12.8	830	15.8	804	18.8			
		1400	1161	4.5	1112	8.0	1074	11.5	1041	15.0	1013	18.5	987	21.9			
BV-710	150	1000	994	3.8	932	6.9	884	10.1	844	13.2	809	16.3	777	19.4	747	22.5	VERTICAL
		1200	1223	4.6	1161	8.3	1113	12.1	1073	15.8	1038	19.9	1006	23.3	976	27.0	
		1400	1452	5.4	1390	9.7	1342	14.1	1302	18.5	1266	22.8	1234	27.2			
BV-713	150	1000	1292	4.7	1211	8.8	1149	12.8	1097	16.9	1051	20.9	1009	25.0	971	29.1	VERTICAL
		1200	1589	5.7	1508	10.6	1446	15.4	1394	20.3	1348	25.1	1306	30.0			
		1400	1886	6.7	1805	12.3	1744	18.0	1691	23.7	1645	29.3	1604	35.0			
BV-717	200	1000	1691	6.4	1585	11.7	1504	17.0	1436	22.3	1375	27.6	1321	32.9			VERTICAL
		1200	2080	7.9	1974	14.0	1893	20.4	1825	26.7	1765	33.1	1710	39.5			
		1400	2469	8.9	2363	16.4	2282	23.8	2214	31.2	2154	38.6					
BV-812	200	1000	1435	7.3	1373	11.6	1324	15.9	1284	20.2	1248	24.5	1216	28.9	1186	33.2	VERTICAL
		1200	1752	8.7	1690	13.9	1642	19.1	1601	24.3	1566	29.5	1533	34.7	1504	39.8	
		1400	2070	10.2	2007	16.2	1959	22.3	1919	28.3	1883	34.4	1851	40.4			
BV-816	250	1000	1914	8.7	1830	14.5	1766	20.2	1712	26.0	1664	31.8	1621	37.5			VERTICAL
		1200	2337	10.4	2253	17.4	2189	24.3	2135	31.2	2087	38.1	2044	45.0			
		1400	2760	12.2	2676	20.3	2612	28.3	2558	36.4	2510	44.5	2467	52.5			
BV-820	250	1000	2392	10.1	2288	17.3	2207	24.5	2140	31.8	2080	39.0	2027	46.2			VERTICAL
		1200	2921	12.2	2816	20.8	2736	29.5	2669	38.1	2609	46.8					
		1400	3450	14.2	3345	24.3	3265	34.4	3198	44.5							
BV-1012	250	1000	2453	11.1	2346	18.5	2264	25.9	2195	33.2	2134	40.6	2079	48.0			VERTICAL
		1200	2996	13.3	2889	22.2	2806	31.0	2737	39.9	2676	48.8	2621	57.6			
		1400	3538	15.5	3431	25.9	3349	36.2	3280	46.6	3219	56.9	3163	67.2			
BV-1016	300	1000	3297	13.6	3153	23.5	3042	33.5	2949	43.4	2867	53.3	2793	63.3			VERTICAL
		1200	4025	16.3	3882	28.3	3771	40.2	3678	52.1	3596	64.0	3522	75.9			
		1400	4754	19.1	4610	33.0	4500	46.9	4407	60.8	4325	74.7	4251	88.6			

Note : 1. The above ratings are based on inlet air temperature of 104 D F, 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.

Blowvacc Blowers are
**available as
package units,
ready to install
or as bare blower
units for replacement**



Our Blower are suitable for both
pressure and vacuum applications for a
myriad of different situations and is effective in the
following industry processes :

- **Yarn Drying** for vacuum/pressure drying.
- **Bag Filters** for reverse cleaning of filter bags.
- **Aquaculture** for maintaining the dissolved oxygen level
- **Chemical** for blending, aeration, fluidization and conveying
- **Electroplating Plants** for oil free air agitation of electrolyte
- **Water Treatment Plants** for backwashing of filter/mixed beds.
- **Cement Plants** for blending, aeration, fluidization and conveying
- **Sewage Treatment Plants** for diffused aeration and agitation of sewage
- **Effluent Treatment Plants** for diffused aeration and agitation of effluent
- **Paper Plants** for knife edge coating, drying, conveying and vacuum pickup.
- **Pneumatic Conveying** for vacuum, pressure and combination conveying of cereals,
- **Polyester Chip Conveying & Drying** for transfer of polyester chips and other similar materials.
- cement, husk, baggase. granules, powders and other similar material.
- **Regeneration of Dryers & Molecular Sieves**

CONTACT US

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- Readily available.
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all your maintenance
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Ministry of MSME, Govt. of India



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BLOWVACC ROOTS BLOWERS

BLOWVACC introduce 1 HP horizontal/vertical Twin-Lobe Roots Blowers. These blowers have been designed keeping the demands of the industry of compact & sturdy machine, low noise, less space requirement, low vibrations, longer bearing life & low maintenance.

Complete blower package assembled with all accessories & coupled with electric motor, ready to install. These blowers are designed for continuous duty.

BV 315

MODEL	SPEED	1 MWC		2 MWC		3 MWC		4 MWC		OPENING	ORIENTATION
BV 315	RPM	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	MM NB	VERTICAL
	960	25	0.40	24	0.44	22	0.51	20	0.60	25	



BV 325

MODEL	SPEED	1 MWC		2 MWC		3 MWC		4 MWC		OPENING	ORIENTATION
BV 325	RPM	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	MM NB	HORIZONTAL
	1000	50	0.3	45	0.5	36	0.7	29	0.9	40	
	1200	65	0.4	56	0.6	48	0.9	44	1.1		
	1400	80	0.5	71	0.7	63	1.0	55	1.3		

MODEL	SPEED	1 MWC		2 MWC		3 MWC		4 MWC		OPENING	ORIENTATION
BV 325	RPM	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	MM NB	HORIZONTAL
	1000	50	0.3	45	0.5	36	0.7	29	0.9	40	
	1200	65	0.4	56	0.6	48	0.9	44	1.1		
	1400	80	0.5	71	0.7	63	1.0	55	1.3		

BV 40

MODEL	TYPE	SPEED	1 MWC		2 MWC		3 MWC		4 MWC		5 MWC		OPENING	ORIENTATION
BV 40	TWIN LOBE	RPM	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	M3/HR	BKW	MM NB	HORIZONTAL
		1000	75	0.5	64	0.8	56	1.1	49	1.4	42	1.7	40	
		1200	94	0.7	82	1.0	72	1.3	64	1.7	62	2.0		
		1400	116	0.8	105	1.2	96	1.5	89	1.9	83	2.3		

