

Positive Displacement Blowers  
Twin Lobe Design & Tri Lobe Design



## PRODUCTS DETAILS

- Twin Lobe Rotary Air Blowers | Compressors
- Tri Lobe Rotary Air Blowers | Compressors
- Twin Lobe Rotary Gas Blowers | Compressors
- Twin Lobe Aquaculture Blowers | Compressors
- Acoustic Hoods | Enclosures | Twin Lobe Vacuum Blowers | Compressors
- Ring Blowers | Turbine Blower



## ABOUT US

**A1 BLOWERS** commenced manufacturing of centrifugal blowers way back in 2006. After Looking over the upcoming demand of market, to start manufacturing of twin lobe Rotary Air Blowers way back in 2013. we are an able and agile Team of Mechanical Engineers dedicated to launching their Product with a brand name A1 Blower. We are having a well settled team having an experience of 40+ years in the Field of Roots Type Blowers & Boosters. A1 launches an innovative blower with superior Quality, Higher reliability factor with very competitive Price.

Since then the company has add Product line including Twin Lobe & Tri-lobe Rotary air Blowers Bio Gas Blowers, Acoustic hoods, Aqua culture Blowers & Industrial Vacuum Boosters, Ring Blower || Turbine Blowers

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 A1BIPL. Our broad product line of Roots Blowers/Compressors (Bi-lobe & Tri-lobe) (Air/Gas Duty), Mechanical Vacuum Boosters, Dry Screw Vacuum Pumps, Acoustic Hoods & Industrial Vacuum Systems consists of standard and custom major product group.

A1BIPL is Manufacturing all Parts on Imported CNC Machines which Gives High quality with close Tolerances to make a super quality Machines. Wave Automatic Digital Dynamical Balancing Machines for Balancing of Rotors to Make Long life of Bearings Each A1 Compressor has computer Calculated impeller profiles and is Precision machined on the latest CNC equipment assuring close tolerance between the impellers, casing and side plates to minimize, "back slippage" of air improving efficiency and reliability.

Efficiency and reliability: Each A1 Compressor has computer calculated impeller profiles and is precision machined on the latest CNC equipment assuring close tolerance between the impellers, casing and side plates to minimize, "back slippage" of air, improving efficiency and reliability.

Smooth operation: Precision hardened and ground helical steel gears are used to ensure smooth, silent running and accurate timing of the rotating impellers. A controlled lubrication system is provided to ensure efficient operation without wastage of energy in the gear case.

Some of our prestigious clients include, Ion Exchange (India) Ltd., Thermax Ltd. , VISAKHA DAIRY, IIT PALAKKAD, VA Tech Wabag, Maruti Udyog, Aparna Builders, Dodla Dairy, Delhi Golf, Skyline Builder, Phoenix Mall, Paranjape Builders Honda, Hero, Grasim Industries, SHOBHA, S INTEX, JSW Steel, HALDIRAM, MOTHER DAIRY, KEYSTONE, LUPIN PHARMACEUTICALS, SIGACHI, COCACOLA, PEPSI, LEMON TREE HOTEL, ESCORTS, OPTIMUS, RELIANCE CEMENT PATANJALI, DLF, GRAND HYATT, ATC MAURYA, BRIGADE, RAYMOND, SUMADHURA BUILDERS SBHEL, JSW Cement, Ramky Infra, Pennar Ltd, Grasim, ACC, Tata Steel, Jindal Steel, McNally Bharat, Jindal Saw and many

The blowers find use in applications Where need 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

A focus on innovative design and high quality machined parts has earned AIBIPL a reputation for excellent work amongst its users. For more than three decades AIBIPL has offered its 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.

A complete solution: A1 Compressors may be Supplied as a self- contained Package unit consisting of base frame, safety valve, suction filter, suction silencer, non-return valve, pressure gauge, anti-vibration pads, v-belts, v-belt guard, drive and driven pulleys, set of special tools, foundation bolts and interconnecting piping with flange or alternately with and of the above items specified as optional equipment.

Twin Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Rotary Gas Blowers | Compressors  
 Acoustic Hoods | Enclosures  
 Ring Blowers | Turbine Blower  
 A1 Products Galaxy

Tri Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Aquaculture Blowers | Compressors  
 Twin Lobe Vacuum Blowers | Compressors  
 Services & Spare Parts



**Use A1 Be A1**



## A1 BLOWERS

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## VISION

To Become the No. 1 Company in the Industry which delivers quality products for its Customers, believes in Innovation to meet the changing needs of the Customers and Market and are able to keep their Employees and stakeholders Happy and Satisfied, thus ensuring their growth along with the Company.



## MISSION

To Serve our Customers as their most Trusted and reliable partner in the Blower Industry.



## VALUES

### Passion

To give our maximum & Be-The-Best.

### Integrity

To know what is right and act responsibly with our clients, colleagues and community.

### Innovation

To keep on Improving our Product and services while anticipating our clients needs.

### Dedication

To Succeed while delivering unparalleled quality and meeting best.

### Standards Guidance

To Serve our client with experienced and unbiased guidance regarding their actual needs.



## Quality

- 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.



## Service

A1 BLOWERS leading manufacturers introduces that First company who has open service station all state of India. By which A1 Blowers ensure to provide fast and immediately service support with the help of below A1 Blowers service station.

**Hyderabad**  
**Bengalore**  
**kerala**  
**Chennai**  
**Puna**  
**Gujarat**  
**Odisha**  
**Kolkata**

# SMALL CAPACITY BLOWERS

## (TWIN LOBE ROTARY AIR BLOWERS)

MODEL	Opening mm NB	SPEED (RPM)	1000mmWg m3/hr	2000mmWg m3/hr	3000mmWg m3/hr	Orientation
A1-300 With 0.75 hp (Direct Drive)	20	1440	19	15	10	

### SALIENT FEATURES

- Use for 2 to 5KLD Plant, Noise level upto (64±5) Db.
- Compact & Small design Blower
- It's Come with 0.75Hp Motor, Direct Drive
- Zero noise Blowers.



A1-300 With 0.75 hp (Direct Drive)



A1-315 With 1 hp (Direct Drive)

MODEL	Opening mm NB	SPEED (RPM)	1000mmWg m3/hr BHP		2000mmWg m3/hr BHP		3000mmWg m3/hr BHP		4000mmWg m3/hr BHP		Orientation
A1-315 With 1 hp (Direct Drive)	25	940	25	0.54	24	0.60	22	0.69	19	0.95	
A1-315 With 1.5 hp (Direct Drive)	25	1440	50	0.61	46	0.74	42	0.96	39	1.04	

### SALIENT FEATURES

- Use for 10 to 15KLD Plant, Noise level upto (66±5) Db.
- It's Come with 1Hp/1000 RPM Motor & 1.5 HP/1440 RPM, Direct Drive
- Zero noise Blowers. Use any residential area.
- Installed more than 2500 blowers successfully.

MODEL	Opening mm NB	SPEED (RPM)	1000mmWg m3/hr BHP		2000mmWg m3/hr BHP		3000mmWg m3/hr BHP		4000mmWg m3/hr BHP		5000mmWg m3/hr BHP		Orientation
A1-40 (V-Belts Drive)	40	1000	51	0.43	42	0.70	35	0.96	29	1.23	24	1.49	
	40	1100	58	0.45	49	0.77	42	1.6	37	1.35	31	1.64	
	40	1200	65	0.52	56	0.84	49	1.16	44	1.47	38	1.79	
	40	1300	73	0.56	64	0.91	57	1.26	51	1.60	46	1.95	
	40	1440	83	0.62	74	1.00	67	1.39	61	1.77	56	2.15	

### SALIENT FEATURES

- It Suitable for 1.5hp & 2hp motor, it's come with V-Belt drive blowers
- Use for 25 to 40 KLD Plant
- Noise Level (68±5) Db
- Come with all standred Accessories (Blower Pulley, Motor Pulley, NRV, PRV, V-Belt, Pressure Gauge & Other)



A1-40 For 1.5 hp & 2hp (V-Belt Drive)

# AIR 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	
AI-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			
AI-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					
AI-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	
AI-47	80	1000	208	1.59	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								
AI-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			
AI-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			
AI-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					
AI-59	100	1000	450	3.30	409	5.30	378	7.30	352	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							
AI-67	125	1000	453	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			
AI-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	24.13	
		1400	904	5.22	845	9.04	800	12.87	761	16.69	728	20.51					
AI-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							
AI-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			
AI-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			
AI-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					
AI-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							
AI-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			
AI-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					
AI-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					
AI-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	
AI-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			
AI-1020	350	1000	4217	22.03	4033	39.05	3891	56.08	3772	73.10	3667	90.13	3573	107.15			
		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			
AI-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/cm<sup>2</sup>, Specific gravity of 1.0.  
2. performance testing as per Bs 1571, part-II 3. All specifications are subject to change without notice.

# WATER COOLED BLOWERS

(TWIN LOBE ROTARY AIR BLOWERS)

Model	IN./OUT. (MM)	Cooling Water	SPEED RPM	8000 MMWG		9000 MMWG		10000 MMWG	
				M3/HR	BHP	M3/HR	BHP	M3/HR	BHP
A1-42	40	2-3 LPM	1000	33	3.33	29	3.70	25	4.07
			1200	53	4.00	49	4.44	45	4.89
			1500	84	5.00	80	5.55		
A1-44	80	3-4 LPM	1000	45	4.72	38	5.26	32	5.81
			1200	74	5.66	68	6.32	62	6.97
			1500	119	7.08	113	7.90		
A1-55	80	4-5 LPM	1000	133	9.42	123	10.47	114	11.53
			1200	190	11.30	181	12.57	172	13.83
			1500	277	14.13	267	15.71		
A1-67	100	5-6 LPM	1000	258	17.34	239	19.39	222	21.43
			1200	370	20.81	351	23.27	334	25.72
			1500	537	26.02	519	29.08		
A1-610	125	6-8 LPM	1000	344	22.84	320	25.57	297	28.30
			1200	494	27.41	469	30.69	446	33.96
			1500	718	34.26	694	38.36		
A1-78	125	6-8 LPM	1000	576	27.75	555	31.09	536	34.43
			1200	759	33.30	738	37.31	719	41.32
			1500	1034	41.62	1013	46.63		
A1-710	150	8-10 LPM	1000	720	34.43	694	38.61	670	42.79
			1200	949	41.32	923	46.33	899	51.35
			1500	1292	51.65	1266	57.92		
A1-812	200	10-12 LPM	1000	1159	50.36	1133	56.15	1108	61.95
			1200	1476	60.43	1450	67.39	1425	74.34
			1500	1793	70.50	1767	78.62	1743	86.73
A1-1012	250	10-12 LPM	1000	1981	84.25	1936	94.15	1894	104.06
			1200	2523	101.10	2479	112.98	2437	124.87
			1500	3065	117.95	3021	131.81	2979	145.68
A1-1016	300	16-18 LPM	1000	2661	111.49	2602	124.80	2546	138.11
			1200	3390	133.79	3331	149.76	3274	165.73
			1500	4119	156.08	4060	174.72	4003	193.36



## STANDARD ACCESSORIES

Common Motor & Blower Base frame with Motor Rails and Belt tightening Arrangement Belt Guard/Coupling Guard, Suction & Discharge Silencer, Pressure Gauge, Pressure Relief Valve (Spring Loaded) V-Beltes/ Coupling, Foundation Bolts, Interconnecting Line With Flanges, Motor Pulleys, Blowers Pulley, Air Filter, NRV (Non Return Valve).

## SALIENT FEATURES

- All Blowers are manufactured on state-of-the-art, imported CNC machines to close tolerances and high degree of accuracy on profile machining, ensuring high volumetric efficiency
- All major components are interchangeable
- A1 BLOWERS energy efficient blowers have all the bearings and gears oil splash lubricated. They have noncontact Labyrinth-Piston Ring seal combination, making them suitable for high speed and high pressure
- Twin-Lobe Blowers come in standard Air cooled construction. In Indian hot weather conditions, it is recommended that Water cooled Blower construction should be preferred for pressures beyond 0.7Kg/cm<sup>2</sup> PRESSURE DUTY



# AQUA CULTURE BLOWERS

(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	45	2000	1200	
Aqua- B	2 HP	40	90	2000	1200	
Aqua- C	3 HP	40	160	2000	1200	
Aqua- C GOLD	3 HP	65	180	2000	1200	
Aqua- E	5 HP	65	200	2000	1200	
Aqua- E GOLD	5 HP	80	260	2000	1200	
Aqua- G	7.5 HP	80	300	2000	1200	
Aqua- G GOLD	7.5 HP	80	400	2000	1200	
Aqua- J	10 HP	100	750	2000	1200	
Aqua- 13V	12.5 HP	125	800	2000	1200	
Aqua- 15L	15 HP	125	900	2000	1200	
Aqua- 20	20 HP	150	1300	2000	1200	

## STANDARD ACCESSORIES

Common Motor & Blower Base frame with Motor Rails and Belt tightening Arrangement  
Belt Guard/Coupling Guard, Suction & Discharge Silencer, Pressure Gauge, Pressure Relief Valve (Spring Loaded) V-Beltes/ Coupling, Foundation Bolts, Interconnecting Line With Flanges, Motor Pulleys, Blowers Pulley, Air Filter, NRV (Non Return Valve).



Twin Lobe Bare Air Blower | Air Cooled

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Services & Spare Parts



# RINGS BLOWERS | TURBINE BLOWERS

## SINGLE STAGE TURBINE BLOWER

MODEL	POWER	DISPLACEMENT	VACUUM	PRESSURE	PRESSURE (PSI)	SOUND	WEIGHT	MOTOR AMP
A1-TB-1-25	0.25 HP	80 m3/47 CFM	-120 mbar	120mbar	1.74 PSI	53 DB	9 KG	1.5
A1-TB-1-80	0.5 HP	80 m3/47 CFM	-130 mbar	140mbar	2.03 PSI	62 DB	12 KG	1.5
A1-TB-1-145	1.0 HP	145 m3/85 CFM	-150 mbar	160mbar	2.32 PSI	63 DB	14 KG	2.2
A1-TB-1-210F	1.25 HP	210 m3/123 CFM	-110 mbar	100mbar	1.45 PSI	65 DB	20 KG	2.4
A1-TB-1-210L	1.5 HP	210 m3/123 CFM	-170 mbar	170mbar	2.46 PSI	64 DB	22 KG	2.4
A1-TB-1-210	2.0 HP	210 m3/123 CFM	-190 mbar	200mbar	2.90 PSI	70 DB	23 KG	4.3
A1-TB-1-270	3.0 HP	270 m3/123 CFM	-230 mbar	250mbar	3.91 PSI	67 DB	27 KG	5.6
A1-TB-1-320V	4.0 HP	320 m3/188 CFM	-270 mbar	290mbar	4.20 PSI	69 DB	37 KG	7.2
A1-TB-1-400	5.0 HP	400 m3/235 CFM	-290 mbar	330mbar	4.78 PSI	77 DB	40 KG	9.2
A1-TB-1-530	7.5 HP	530 m3/312 CFM	-300 mbar	320mbar	4.64 PSI	80 DB	62 KG	12.9
A1-TB-1-530P	10.0 HP	530 m3/312 CFM	-320 mbar	380mbar	5.51 PSI	82 DB	68 KG	16.7
A1-TB-1-1050	11.0 HP	1050m3/618 CFM	-210 mbar	210mbar	3.04 PSI	77 DB	93 KG	18.2
A1-TB-1-1050P	16.5 HP	1050 m3/618 CFM	-280 mbar	270mbar	3.91 PSI	80 DB	116 KG	28.2
A1-TB-1-1050HP	24.5 HP	1050m3/618 CFM	-340 mbar	460mbar	6.67 PSI	82 DB	126 KG	37.2

## DOUBLE STAGE TURBINE BLOWER

MODEL	POWER	DISPLACEMENT	VACUUM	PRESSURE	PRESSURE (PSI)	SOUND	WEIGHT	MOTOR AMP
A1-TB -DS-88	1.0 HP	88 m3/52 CFM	-210 mbar	240 mbar	3.48 PSI	55 DB	14 KG	2.2
A1-TB -DS-150	2.0 HP	150 m3/89 CFM	-280 mbar	280 mbar	4.06 PSI	66 DB	24 KG	4.3
A1-TB -DS-150V	3.0 HP	150 m3/89 CFM	-330 mbar	440 mbar	6.38 PSI	66 DB	27 KG	5.6
A1-TB -DS-230V	3.0 HP	230 m3/135 CFM	-290 mbar	360 mbar	5.22 PSI	72 DB	35 KG	5.6
A1-TB -DS-230	4.0 HP	230 m3/135 CFM	-340 mbar	410 mbar	5.94 PSI	72 DB	39 KG	7.2
A1-TB -DS-230P	5.0 HP	230 m3/135 CFM	-390 mbar	490 mbar	7.10 PSI	72 DB	45 KG	10
A1-TB -DS-320V	7.5 HP	320 m3/188 CFM	-440 mbar	500 mbar	7.25 PSI	73 DB	70 KG	13.3
A1-TB -DS-320P	10 H.P	320 m3/ 188 CFM	-440 mbar	570 mbar	8.26 PSI	73 DB	77 KG	16.7
A1-TB -DS-520	15 HP	520 m3/317CFM	-430mbar	660 mbar	9.57 PSI	74 DB	123 KG	28
A1-TB -DS-1110P	27 HP	1110m3/653 CFM	-440 mbar	500 mbar	7.25 PSI	74 DB	204 KG	40
A1-TB -DS-1110HP	33 HP	1110m3/653 CFM	-440 mbar	590 mbar	8.55 PSI	74 DB	211 KG	52
A1-TB -DS-2050	27 HP	2050 m3/1206 CFM	-250 mbar	230 mbar	3.33 PSI	75 DB	230 KG	40
A1-TB -DS-2050P	33 H.P	2050 m3/1206 CFM	-310 mbar	280 mbar	4.06 PSI	75 DB	235 KG	52

## SALIENT FEATURES

- Mobility : The Turbine Blower can easily shift & transport.
- Easily & quickly installation.
- Get less pressure more air, There impeller, casing, made by aluminum & shaft design ms metal.
- Ring blower best for aquaculture use.

Twin Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Rotary Gas Blowers | Compressors  
 Acoustic Hoods | Enclosures  
 Ring Blowers | Turbine Blower  
 A1 Products Galaxy

Tri Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Aquaculture Blowers | Compressors  
 Twin Lobe Vacuum Blowers | Compressors  
 Services & Spare Parts



# Acoustic Hoods | Enclosures

**A1 BLOWERS** leading manufacturer of Roots Blowers introduces acoustic enclosures for blowers. AIBIPL 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 order to his low noise levels, that are often statutory requirements, Noise Enclosures / Acoustic Hoods are required. AIBIPL sound reduction enclosures have been designed for effective noise reduction of blowers placed inside. AIBIPL 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 Thickness: 18 gauge - foam and high density + glass wool.
- Powder coating of exterior grade for UV Stabilization and weather proofing for many years.
- After used Acoustic Hoods we can reduce noise 15 to 20%.
- Use any residential, public place, College or school.
- Ventilation: In each Acoustic Hood two or more exhaust fan provided for Ventilation.

Twin Lobe Rotary Air Blowers | Compressors  
Twin Lobe Rotary Gas Blowers | Compressors  
Acoustic Hoods | Enclosures  
Ring Blowers | Turbine Blower  
A1 Products Galaxy

Tri Lobe Rotary Air Blowers | Compressors  
Twin Lobe Aquaculture Blowers | Compressors  
Twin Lobe Vacuum Blowers | Compressors  
Services & Spare Parts



## Features

- Noise Control :- Level reduction to the tune of 12 to 25 DB is achieved.
- Mobility :- The enclosures can be easily shifted or transported.
- 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.

# BIO GAS 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													
A1-40 Bio	40	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					
A1-42 Bio	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			
A1-44 Bio	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					
A1-47 Bio	80	1000	208	1.59	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								
A1-53 Bio	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			
A1-55 Bio	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			
A1-57 Bio	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					
A1-59 Bio	100	1000	450	3.30	409	5.30	378	7.30	352	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							
A1-67 Bio	125	1000	453	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			
A1-610 Bio	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	24.13	
		1400	904	5.22	845	9.04	800	12.87	761	16.69	728	20.51					
A1-615 Bio	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							
A1-78 Bio	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			
A1-710 Bio	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			
A1-713 Bio	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					
A1-717 Bio	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							
A1-812 Bio	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			
A1-816 Bio	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					
A1-820 Bio	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					

Performance Data (bio Gas Blowers)

## STANDARD ACCESSORIES

Common Motor & Blower Base frame with Motor Rails and Belt tightening Arrangement Belt Guard/Coupling Guard, Suction & Discharge Silencer, Pressure Gauge, Pressure Relief Valve (Spring Loaded) V-Beltes/ Coupling, Foundation Bolts, Interconnecting Line With Flanges, Motor Pulleys, Blowers Pulley, Air Filter, NRV (Non Return Valve).

## SALIENT FEATURES

- All Blowers are manufactured on state-of-the-art, imported CNC machines to close tolerances and high degree of accuracy on profile machining, ensuring high volumetric efficiency
- All major components are interchangeable
- A1 BLOWERS energy efficient blowers have all the bearings and gears oil splash lubricated. They have noncontact Labyrinth-Piston Ring seal combination, making them suitable for high speed and high pressure
- Twin-Lobe Blowers come in standard Air cooled construction. In Indian hot weather conditions, it is recommended that Water cooled Blower construction should be preferred for pressures beyond 0.7Kg/cm<sup>2</sup> PRESSURE DUTY



Twin Lobe Air Blower | Air Cooled

# VACUUM BLOWERS

## (TWIN LOBE ROTARY AIR BLOWERS)

MODEL	IN./OUT. (MM)	SPEED (RPM)	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG	
			M3/HR	BHP								
A1-40 VCM	40	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
A1-42 VCM	40	1000	77	0.73	67	1.10	60	1.47	53	1.85	48	2.22
		1200	98	0.88	88	1.32	80	1.77	74	2.22	68	2.66
		1440	122	1.05	112	1.59	104	2.12	98	2.66	92	3.19
A1-44 VCM	65	1000	120	0.90	107	1.45	98	1.99	90	2.54	83	3.08
		1200	149	1.09	137	1.74	128	2.39	120	3.05	113	3.70
		1440	185	1.30	173	2.09	164	2.87	156	3.66	149	4.44
A1-47 VCM	80	1000	208	1.59	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			
A1-53 VCM	80	1000	181	1.82	163	2.63	150	3.45	138	4.27	128	5.09
		1200	226	2.18	208	3.16	195	4.14	183	5.12	173	6.10
		1440	280	2.62	262	3.79	248	4.97	237	6.15	227	7.32
A1-55 VCM	80	1000	233	2.05	210	3.11	193	4.16	178	5.21	165	6.26
		1200	291	2.46	268	3.73	251	4.99	236	6.25	223	7.52
		1400	348	2.87	326	4.35	308	5.82	294	7.29	281	8.77
A1-57 VCM	100	1000	326	2.47	295	3.95	270	5.42	250	6.89	231	8.37
		1200	407	2.97	375	4.74	351	6.50	330	8.27	312	10.04
		1400	488	3.46	456	5.53	432	7.59	411	9.65	393	11.71
A1-59 VCM	100	1000	450	3.30	409	5.30	378	7.30	352	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		
A1-67 VCM	125	1000	453	3.04	409	5.09	375	7.13	346	9.17	321	11.22
		1200	565	3.65	520	6.10	486	8.56	458	11.01	433	13.46
		1400	676	4.26	632	7.12	598	9.98	570	12.84	545	15.70
A1-610 VCM	125	1000	605	3.73	546	6.46	501	9.19	462	11.92	429	14.65
		1200	754	4.48	695	7.75	650	11.03	612	14.31	578	17.58
		1400	904	5.22	845	9.04	800	12.87	761	16.69	728	20.51
A1-615 VCM	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		
A1-78 VCM	125	1000	795	4.34	746	7.69	707	11.03	675	14.37	647	17.72
		1200	978	5.21	929	9.22	891	13.24	858	17.25	830	21.26
		1400	1161	6.08	1112	10.76	1074	15.44	1041	20.12	1013	24.80
A1-710 VCM	150	1000	994	5.18	932	9.36	884	13.54	844	17.72	809	21.90
		1200	1223	6.21	1161	11.23	1113	16.24	1073	21.26	1038	26.27
		1400	1452	7.25	1390	13.10	1342	18.95	1302	24.80	1266	30.65
A1-713 VCM	150	1000	1292	6.43	1211	11.86	1149	17.29	1097	22.72	1051	28.15
		1200	1589	7.72	1508	14.23	1446	20.75	1394	27.26	1348	33.78
		1400	1886	9.00	1805	16.60	1744	24.20	1691	31.81	1645	39.41
A1-717 VCM	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		
A1-812 VCM	200	1000	1435	9.79	1373	15.59	1324	21.38	1284	27.18	1248	32.97
		1200	1752	11.75	1690	18.71	1642	25.66	1601	32.62	1566	39.57
		1400	2070	13.71	2007	21.83	1959	29.94	1919	38.05	1883	46.16
A1-816 VCM	250	1000	1914	11.73	1830	19.45	1766	27.18	1712	34.91	1664	42.63
		1200	2337	14.07	2253	23.34	2189	32.62	2135	41.89	2087	51.16
		1400	2760	16.42	2676	27.23	2612	38.05	2558	48.87	2510	59.69
A1-820 VCM	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

Performance Data (Air Cooled Blowers)

## STANDARD ACCESSORIES

Common Motor & Blower Base frame with Motor Rails and Belt tightening Arrangement  
Belt Guard/Coupling Guard, Suction & Discharge Silencer, Pressure Gauge, Pressure Relief Valve (Spring Loaded) V-Beltes/ Coupling, Foundation Bolts, Interconnecting Line With Flanges, Motor Pulleys, Blowers Pulley, Air Filter, NRV (Non Return Valve).

## SALIENT FEATURES

- All Blowers are manufactured on state-of-the-art, imported CNC machines to close tolerances and high degree of accuracy on profile machining, ensuring high volumetric efficiency
- All major components are interchangeable
- All BLOWERS energy efficient blowers have all the bearings and gears oil splash lubricated. They have noncontact Labyrinth-Piston Ring seal combination, making them suitable for high speed and high pressure
- Twin-Lobe Blowers come in standard Air cooled construction. In Indian hot weather conditions, it is recommended that Water cooled Blower construction should be preferred for pressures beyond 0.7kg/cm<sup>2</sup> PRESSURE DUTY



# AIR COOLED BLOWERS

## (TRI LOBE ROTARY AIR BLOWERS)

MODEL	OPENING	SPEED	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG	
	(MM)	(RPM)	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP
A1-TL40	40	1200	22	0.25	16	0.38	12	0.51	8	0.64	5	0.77	2	0.90				
		1450	29	0.30	24	0.46	19	0.62	16	0.77	12	0.93	9	1.09				
		2850	71	0.59	65	0.90	61	1.21	57	1.52	54	1.83	51	2.14				
A1-TL50	50	1000	92	1.06	78	1.53	67	1.99	57	2.46	49	2.92	42	3.39	35	3.85	29	4.31
		1200	118	1.28	103	1.83	92	2.39	83	2.95	75	3.51	67	4.06	60	4.62	54	5.18
		1400	143	1.49	129	2.14	118	2.79	108	3.44	100	4.09	93	4.74	86	5.39	79	6.04
		1600	169	1.70	154	2.45	143	3.19	134	3.93	125	4.67	118	5.42				
A1-TL60	60	1000	154	1.31	138	2.01	125	2.72	115	3.42	106	4.13	97	4.83	90	5.54	83	6.25
		1200	193	1.57	177	2.41	164	3.26	154	4.11	144	4.95	136	5.80	128	6.65		
		1400	239	1.88	223	2.90	210	3.91	200	4.93	191	5.95	182	6.96	175	7.98		
		1600	270	2.09	254	3.22	241	4.35	231	5.48	222	6.61	213	7.74	206	8.86		
A1-TL80	80	1000	279	2.29	249	3.58	225	4.87	206	6.16	188	7.45	173	8.73	158	10.02	145	11.31
		1200	350	2.75	319	4.29	296	5.84	276	7.39	259	8.93	243	10.48	229	12.03	215	13.57
		1400	420	3.20	390	5.01	367	6.81	347	8.62	329	10.42	314	12.23	299	14.03	286	15.84
		1600	491	3.66	461	5.72	437	7.79	417	9.85	400	11.91	384	13.97	370	16.04		
A1-TL100	100	1000	404	2.80	367	4.59	339	6.39	316	8.18	295	9.98	276	11.77	259	13.57		
		1200	502	3.35	466	5.51	438	7.66	414	9.82	393	11.97	375	14.13	357	16.28		
		1440	620	4.03	584	6.61	556	9.20	532	11.78	511	14.37						
		1600	699	4.47	662	7.35	634	10.22	611	13.09	590	15.96						
A1-TL125	125	1000	828	4.72	778	8.20	739	11.67	706	15.14	677	18.62	651	22.09	627	25.56	605	29.04
		1200	1019	5.67	968	9.84	929	14.00	896	18.17	867	22.34	841	26.51	817	30.68	795	34.84
		1440	1247	6.80	1196	11.80	1157	16.80	1124	21.81	1096	26.81	1069	31.81	1045	36.81	1023	41.81
		1600	1399	7.56	1348	13.11	1309	18.67	1277	24.23	1248	29.79						
A1-TL150	150	1000	1106	5.73	1056	10.20	1018	14.68	986	19.15	958	23.63	932	28.11	909	32.58	887	37.06
		1200	1351	6.87	1301	12.24	1263	17.61	1231	22.99	1203	28.36	1177	33.73	1154	39.10		
		1440	1645	8.25	1595	14.69	1557	21.14	1525	27.58	1497	34.03	1471	40.47				
		1600	1841	9.16	1791	16.32	1753	23.49	1721	30.65	1693	37.81						
A1-TL 200	200	1000	1806	10.93	1712	18.36	1639	25.79	1578	33.22	1524	40.65	1476	48.08	1431	55.51	1390	62.94
		1200	2213	13.12	2118	22.03	2046	30.95	1985	39.86	1931	48.78	1883	57.69	1838	66.61	1796	75.52
		1400	2620	15.30	2525	25.70	2453	36.10	2392	46.50	2338	56.91	2289	67.31	2245	77.71		
		1600	3026	17.49	2932	29.37	2860	41.26	2799	53.15	2745	65.04	2696	76.92				
A1-TL 250	250	1000	2806	14.83	2684	26.16	2590	37.49	2510	48.82	2441	60.15	2377	71.48				
		1200	3426	17.80	3304	31.39	3210	44.99	3131	58.58	3061	72.18	2998	85.78				
		1400	4047	20.76	3924	36.62	3830	52.49	3751	68.35	3681	84.21						
		1600	4667	23.73	4545	41.86	4451	59.98	4371	78.11	4302	96.24						
A1-TL 300	300	1000	6232	30.39	6046	54.79	5906	79.18	5787	103.57	5682	127.97	5586	152.36	5499	176.75	5418	201.15
		1200	7568	36.47	7383	65.74	7242	95.02	7122	124.29	7017	153.56	6922	182.83	6835	212.10	6753	241.38
		1400	8904	42.55	8719	76.70	8577	110.85	8458	145.00	8353	179.15	8258	213.30	8170	247.45	8089	281.61
		1600	10239	48.63	10055	87.66	9913	126.69	9793	165.72	9688	204.75	9593	243.78				

Performance Data of TRILLOBE Series (Air Cooled Blowers)

Note : 1. The above ratings are based on inlet air temperature of 104D F, ambient pressure 1 kg/cm<sup>2</sup>, specific gravity of 1.0.  
 2. Performance testing as per BS 1571, Part-II  
 3.All specifications are subject to change without notice.

## SALIENT FEATURES

- All Blowers are manufactured on state-of-the-art, imported CNC machines to close tolerances and high degree of accuracy on profile machining, ensuring high volumetric efficiency
- All major components are interchangeable
- A1 BLOWERS energy efficient blowers have all the bearings and gears oil splash lubricated. They have noncontact Labyrinth-Piston Ring seal combination, making them suitable for high speed and high pressure
- Twin-Lobe Blowers come in standard Air cooled construction. In Indian hot weather conditions, it is recommended that Water cooled Blower construction should be preferred for pressures beyond 0.7Kg/cm<sup>2</sup> PRESSURE DUTY

## Note

Twin Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Rotary Gas Blowers | Compressors  
 Acoustic Hoods | Enclosures  
 Ring Blowers | Turbine Blower  
 A1 Products Galaxy

Tri Lobe Rotary Air Blowers | Compressors  
 Twin Lobe Aquaculture Blowers | Compressors  
 Twin Lobe Vacuum Blowers | Compressors  
 Services & Spare Parts

## AI SPARE PARTS & ACCESSORIES

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

## SALIENT FEATURES

- AI Blowers Always used standard parts in blower, You shall get easily any place.
- Fast Delivery, Guaranteed fit & function.
- Genuine & Original Spare always recommend by AI Blowers for 100% efficiency of Blower.
- Spare part & Accessories Available Near all AI Services Station.



Twin Lobe Bare Air Blower

## SPARE PARTS



BEARING SET



GEAR SET



OIL SEAL SET



ROTOR SET

## ACCESSORIES



Relief Valves



Pressure Gauge



Air Filter



Silencer & Air Filter



V-Belts



Pulley



Non Return Valves



DISCHARGE SILENCER



0.5 HP Twin-Lobe Rotary Air Blowers



2 HP Twin-Lobe Rotary Air Blowers



Acoustic Hoods | Enclosures



Twin-Lobe Rotary Air Blowers



Twin-Lobe Horizontal Bare Blowers



Twin-Lobe Vertical Bare Blowers



Twin-Lobe Horizontal Package Blowers



Twin-Lobe Vertical Package Blowers

## A1 PRODUCTS AT A GALAXY

### 0.5HP DIRECT DRIVE BLOWERS

A1 BLOWERS introduce advance technology, Next generation Direct Drive Blowers, it's small and compacta design, high efficiency blowers. Very silent, smooth run & it can be used any residential place. It's suitable for upto 5kld plant. The Blowers are readily available for flow upto 10m<sup>3</sup>/hr and pressure upto 0.3kg/cm<sup>2</sup>. [ For more info, kindly go to page no.6 ]



Capacity: upto 10m<sup>3</sup>/hr  
Pressure: upto 0.3kg/cm<sup>2</sup>

### 1HP DIRECT DRIVE BLOWERS

A1 Blowers, Leading manufacturer of Roots Blowers in India, introduce the new vertical orientation flow (Top section & discharge at bottom) Blowers. These blowers have been designed specific demands of the industry of compact design, reduced noise, minimum space required, least vibrations, long bearing life and minimum maintenance. Its suitable for upto 15KLD Plant. The Blowers are readily available for flow upto 22m<sup>3</sup>/hr and Pressure upto 0.3kg/cm<sup>2</sup>. [ For more info, kindly go to page no.6 ]



Capacity: upto 55m<sup>3</sup>/hr.  
Pressure: upto 0.5kg/cm<sup>2</sup>

### V-BELT DRIVE BLOWERS.

After market demands A1 BLOWERS introduce the small capacity V- Belt design blowers. It's come with top suction and down discharge. It use for upto 45kld plant for any residential place without noise. Equipped with latest features, enabling it more reliable, energy efficient and lower maintenance. More then 2500 Blowers installed successfully with smooth running. Readily available for flow upto 55m<sup>3</sup>/hr and Pressure upto 0.5kg/cm<sup>2</sup>. [ For more info, kindly go to page no.6 ]



Capacity: upto 55m<sup>3</sup>/hr  
Pressure: 0.5kg/cm<sup>2</sup>.

### HORIZONTAL ORIENTATION FLOW BLOWERS

A1 BLOWERS introduce the horizontal orientation flow blowers for capacity 60m<sup>3</sup>/hr to 250m<sup>3</sup>/hr blowers. Blowers are ruggedly built appropriate rotor shaft design, These blowers provide 100% oil free Air & Used Swage Treatments Plants, Effluent Treatments Plants, Aquaculture, Chemical Plant and Electroplating plants. Blowers are readily available upto capacity 250m<sup>3</sup>/hr capacity over all A1 Branch.



**CAPACITY:**  
Difference models with Capacity from 60m<sup>3</sup>/hr to 250m<sup>3</sup>/hr  
**PRESSURE:**  
Different model work over different pressure upto 0.7kg/cm<sup>2</sup>

### Vertical Orientation Flow Blowers with Vertical silencer A1 BLOWERS

As we leading manufacture of Roots Blower introduces Vertical Orientation flow blower with Vertical Silencer for capacity 200m<sup>3</sup>/hr to 300m<sup>3</sup>/hr Blowers. All blowers are manufactured on sate of the art, imported CNC Machines. All major components are interchangeable. These blower equipped with latest feature, enabling it more reliable, energy efficient and lower maintenance.



**Capacity:**  
Difference models with capacity from 200m<sup>3</sup>/hr to 300m<sup>3</sup>/hr  
Pressure: Different model work over different pressure upto 0.7kg/cm<sup>2</sup>

### Vertical Orientation flow blowers with Horizontal silencer.

For better installation and easy maintenance A1 BLOWER introduces Vertical orientation flow Blowers with horizontal silencer. These blower design top section - discharge at bottom where discharge line coming through under base frame, provided easy maintenance with proper safety. These all blowers performance testing as per standard test procedure ST-01 based on BS 1571-2:1975 and ISO 1217:2009. Blowers are energy efficiency and all major components are interchangeable.



**CAPACITY:**  
Difference models with capacity from 250m<sup>3</sup>/hr to 500m<sup>3</sup>/hr  
**PRESSURE:**  
Different model work over different pressure upto 0.7kg/cm<sup>2</sup>

# A1 PRODUCTS AT A GALAXY

## RING BLOWER | RING CHANNEL BLOWERS | TURBINE BLOWER

A1 ring channel blower is used when the pressure is less and need more flow. These is very silent and smooth running Blower, Ring channel blowers generate an output to approximately 2050 Nm<sup>3</sup>/h and differential pressures of up to approximately 280mbar. Ring blowers come with motor direct drive. [ [For more info, kindly go to page no.10](#) ]



## BIO GAS BLOWERS| COMPRESSOR:

A1 Biogas Blowers | Compressors based on Positive Displacement Rotary Air Blower principle, have been specially developed for pumping of Biogas. These are generally used in biogas lines to boost the gas pressure to meet the burner input demand. These are generally vertical flow type in construction, i.e.suction top & discharge at bottom, Special blowers, capable of handling different gases, Material of construction and constructional details vary to meet different gas requirements. For inflammable and toxic gases, leak tightness is ensured. Basic designs are modified, depending upon the nature of gas to be handled and customers' requirements. Water jet injection cooling can also be provided to keep the gas temperatures low.



## AQUA CULTURE BLOWER

A1 BLOWERS has introduced its new range of AQUA Series Twin Lobe Rotary Air Blowers (Roots Blowers) to meet the electroplating & aqua culture requirements which essentially demand 100% Oil Free Air delivery. These blowers are totally dry machines where lubricating chambers are physically isolated from the main gas chamber ensuring 100 % Oil Free Air delivery. These blowers have a major advantage over centrifugal and regenerative blowers as they are more powerful, efficient, can handle high flow rates and are insensitive to water depth variations. They deliver, practically, a constant flow rate irrespective of back pressures the reby maintaining dissolved oxygen levels. [ [For more info, kindly go to page no.9](#) ]



## VACUUM BLOWERS

Since 2016, A1 BLOWERS has been a major supplier of pumps and Tractor blowers for industrial and environmental uses of tractor-based applications. Our tractor blowers or vacuum pumps are designed to pick up and transfer anything from sludge, slurries or mud, to gravel, wet or dry.As a custom manufacturer, A1 BLOWERS provides vacuum Truck blowers and pumps that meet specific OEM business needs, including environmental remediation work and transportation of hazardous liquid waste. The special design Vacuum Blowers eliminates the need for water cooling, heat exchanger, oil lubrication and effluent. Our high vacuum Truck blowers are also ideally suited for mobile waste handling units, (industrial, municipal; wet and dry), pneumatic conveying (fly ash, chemical or pharmaceutical products...) or sewage treatment...



## ACOUSTIC HOODS

A1 BLOWERS leading manufacturer of Roots Blowers introduces acoustic enclosures for blowers. A1BIPL 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. A1BIPL sound reduction enclosures have been designed for effective noise reduction of blowers placed inside. A1BIPL economical design provides noise reduction of 15 to 20 dB(A) bringing down the total noise emitted to safe acceptable limits. [ [For more info, kindly go to page no.11](#) ]



## SERVICE STATION.

To look the customer need A1 BLOWERS open company service station all over state like Kerala, Hyderabad, Bangalore, Chennai, Puna, Gujarat, Kolkata and Lucknow.Where is available company all major spare parts and Accessories. Genuine & Originals spare always recommend by A1 Blowers for 100% efficiency of Blowers.For contact visited our site [www.a1blowers.com](http://www.a1blowers.com)



# APPLICATIONS

- Water Treatment Plants For back washing of filter/ mixed beds.
- Effluent Treatment Plants For diffused aeration and agitation of effluent.
- Cement Plants For Blending, Aeration, Fluidization, Conveying.
- Aquaculture For maintaining the dissolved Oxygen level.
- Chemicals Plants For Supplying of process air.
- Electroplating Plants For Oil Free air agitation of electrolyte.
- Paper Plants Knife edge coating, Drying, Conveying, Vacuum pickup.
- Yarn Drying Vacuum/Pressure Drying of Yarn.
- Vacuum Moulding For Creating quick vacuum.
- Polyester Chip Conveying & drying for transfer of polyester Chip and other similar Materials.
- Bag Filters For reverse cleaning of Filter bags.
- Pneumatic Conveying Vacuum, Pressure and Combination Conveying of cereals cement, husk, baggage, granules,
- Powders and other similar material.
- Regeneration of Dryers & Molecular Sieves.



एन एस आई सी  
**NSIC**  
ISO 9001 : 2008

**MSME**  
सूक्ष्म, लघु एवं मध्यम उद्यम  
Micro, Small & Medium Enterprises



**A1Blowers**  
Blowers & Vacuum Boosters  
An ISO 9001 : 2008 Certified Company

**A1 BLOWERS India Pvt. Ltd.**

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