

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

- Twin Lobe Rotary Air Blowers | Compressors
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- Ring Blowers | Turbine Blower
- Twin Lobe Aquaculture Blowers | Compressors
- Twin Lobe Vacuum Blowers | Compressors
- Tri Lobe Rotary Air Blowers | Compressors
- Services & Spare Parts

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/cm², 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/cm² 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

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



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. 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. 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. A1BIPL sound reduction enclosures have been designed for effective noise reduction of blowers placed inside. A1BIPL 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
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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 | M3/HR | BHP | M3/HR | BHP | M3/HR | BHP | M3/HR | BHP | M3/HR | BHP | 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/cm² 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 | M3/HR | BHP | M3/HR | BHP | M3/HR | BHP | 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/cm² 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/cm², 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/cm² 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 10m³/hr and pressure upto 0.3kg/cm². [For more info, kindly go to page no.6]



Capacity: upto 10m³/hr
Pressure: upto 0.3kg/cm²

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 22m³/hr and Pressure upto 0.3kg/cm². [For more info, kindly go to page no.6]



Capacity: upto 55m³/hr.
Pressure: upto 0.5kg/cm²

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 55m³/hr and Pressure upto 0.5kg/cm². [For more info, kindly go to page no.6]



Capacity: upto 55m³/hr
Pressure: 0.5kg/cm².

HORIZONTAL ORIENTATION FLOW BLOWERS

A1 BLOWERS introduce the horizontal orientation flow blowers for capacity 60m³/hr to 250m³/hr blowers. Blowers are ruggedly built appropriate rotor shaft design, These blowers provide 100% oil free Air & Used Swage Treatments Plats, Effluent Treatments Plants, Aquaculture, Chemical Plant and Electroplating plants. Blowers are readily available upto capacity 250m³/hr capacity over all A1 Branch.



CAPACITY:
Difference models with Capacity from 60m³/hr to 250m³/hr
PRESSURE:
Different model work over different pressure upto 0.7kg/cm²

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 200m³/hr to 300m³/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 200m³/hr to 300m³/hr
Pressure: Different model work over different pressure upto 0.7kg/cm²



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 250m³/hr to 500m³/hr
PRESSURE:
Different model work over different pressure upto 0.7kg/cm²



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 Nm³/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 rebly 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



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.



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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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