



SHOWFOU

CE

ISO 9001
BSMI

SHOWFOU BLOWERS



RING BLOWER

TURBO BLOWER

**OIL MIST
COLLECTOR**



SHOWFOU ELECTRIC MACHINE CO., LTD.

CAT. NO.: A0912-2-R1

RING BLOWER BS type



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TURBO BLOWER BP . BL type



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OIL MIST COLLECTOR BM . BV type



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VERSATILE CAPABILITIES FOR VACUUM OR PRESSURE OPERATION

GENERAL:

SHOWFOU RING BLOWERS, known also as REGENERATIVE BLOWER, are directly driven by TEFC IP54 Grade F insulation electric motors of Showfou's own make.

As standard equipment, silencers are mounted on the discharge and suction side, thereby reducing noise level considerably. All blower and motor parts are cast aluminum and therefore highly resistant to corrosion. The ribs on the blower housing provide for good heat dissipation, further assisted by the air flow of the motor fan.

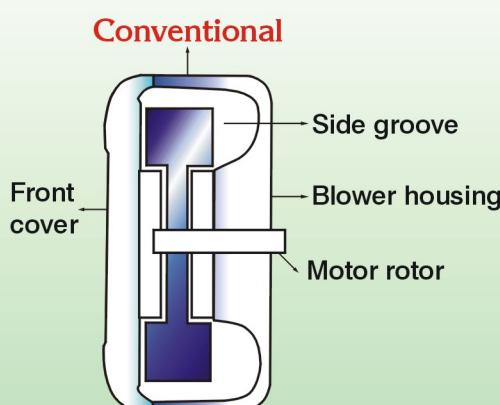
SHOWFOU RING BLOWERS are designed for the conveying of air as well as for generating pressure or vacuum. The use of the units for aggressive and toxic media, air of high humidity and medium temperature exceeding 40°C is subject to a detailed clarification. The conveying explosive gases are prohibited. If the medium to be conveyed contains solid particles or other pollutions, they are to be removed before entering the blower by installing a filter, or similar device on the suction side.

An increase of the volumetric flow or the pressure may be achieved by connecting two blowers either in series or in parallel.

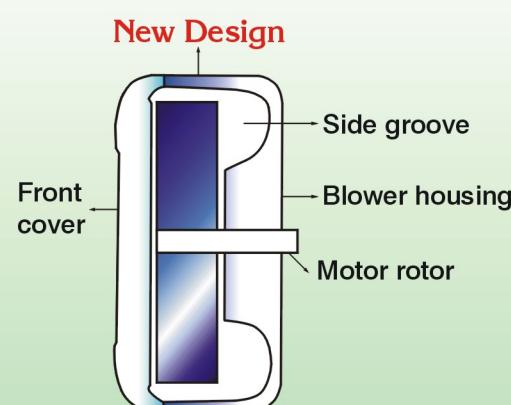
If connected in series, the pressures are added whereas the volumetric flow remains the same. If connected in parallel, the volumetric flow rates are added whereas the pressure remains the same.



ADVANTAGES OF OUR NEW DESIGN IMPELLER



(Fig.1) Impeller easily clogged by foreign objects



(Fig. 2) Durable and rugged construction, free from maintenance

BS TYPE RING BLOWER



■ FEATURES

- Aluminum blower housing, impeller and cover
- Continuous duty, Non-pulsating operation.
- Low Noise and Vibration, Inlet and outlet have internal silencer
- Can be mounted in any plane
- Oil Free design eliminates contamination of downstream components
- TEFC enclosure eliminates atmospheric contamination of motor windings and bearings



■ BS Type SPECIFICATION

| Hz | Type | Motor | | | | Bore | | Max. Continuous Duty Point | | | | Maximum Discharge | Noise | L x W x H | Weight | |
|----|---------|-------|------|----|---------|-------|-----|----------------------------|---------------------|------|---------------------|-------------------|-------|-----------|-------------|-----|
| | | HP | kW | PH | V | inch | mm | mmAq | m ³ /min | mmAq | m ³ /min | | | | | |
| 50 | BS-0212 | 1/4 | 0.2 | 1 | 220 | 1 | 25 | 450 | 0.14 | 450 | 0.09 | 500 | 0.76 | 52 | 220x200x215 | 7 |
| | BS-0512 | 1/2 | 0.37 | 1 | 220 | 1-1/4 | 32 | 1000 | 0.13 | 800 | 0.02 | 1100 | 1.4 | 61 | 253x250x250 | 12 |
| | BS-0532 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-112 | 1 | 0.75 | 1 | 220 | 1-1/2 | 40 | 1400 | 0.15 | 1200 | 0.1 | 1500 | 2.3 | 68 | 290x290x310 | 17 |
| | BS-132 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-212 | 2 | 1.5 | 1 | 220 | 2 | 50 | 2250 | 0.14 | 1750 | 0.38 | 2250 | 3.5 | 75 | 340x340x350 | 27 |
| | BS-232 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-332 | 3 | 2.2 | 3 | 220~440 | 2 | 50 | 2750 | 0.25 | 2250 | 0.37 | 3000 | 5.5 | 75 | 345x390x425 | 35 |
| | BS-532 | 5 | 3.7 | 3 | 220~440 | 2 | 50 | 3000 | 0.13 | 2250 | 0.37 | 3000 | 5.5 | 75 | 385x390x425 | 36 |
| | BS-732 | 7-1/2 | 5.5 | 3 | 220~440 | 2-1/2 | 65 | 1500 | 5.64 | 1750 | 3.72 | 3450 | 9 | 76 | 490x470x505 | 76 |
| | BS-1032 | 10 | 7.5 | 3 | 220~440 | 2-1/2 | 65 | 2750 | 3.51 | 2500 | 1.66 | 3450 | 9 | 76 | 490x470x505 | 76 |
| | BS-1532 | 15 | 11 | 3 | 220~440 | 4 | 100 | 1800 | 19.14 | 2200 | 6.38 | 3600 | 14 | 82 | 730x550x575 | 123 |
| 60 | BS-0212 | 1/4 | 0.2 | 1 | 220 | 1 | 25 | 650 | 0.07 | 600 | 0.06 | 700 | 0.9 | 55 | 220x200x215 | 7 |
| | BS-0512 | 1/2 | 0.37 | 1 | 220 | 1-1/4 | 32 | 1200 | 0.14 | 1100 | 0.02 | 1400 | 1.5 | 63 | 253x250x250 | 12 |
| | BS-0532 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-112 | 1 | 0.75 | 1 | 220 | 1-1/2 | 40 | 1600 | 0.43 | 1600 | 0.12 | 2050 | 2.7 | 69 | 290x290x310 | 17 |
| | BS-132 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-212 | 2 | 1.5 | 1 | 220 | 2 | 50 | 2000 | 0.64 | 1750 | 1.01 | 3000 | 4 | 78 | 340x340x350 | 27 |
| | BS-232 | | | 3 | 220~440 | | | | | | | | | | | |
| | BS-332 | 3 | 2.2 | 3 | 220~440 | 2 | 50 | 2250 | 2.4 | 2000 | 2.09 | 4000 | 6 | 80 | 345x390x425 | 35 |
| | BS-532 | 5 | 3.7 | 3 | 220~440 | 2 | 50 | 2500 | 2.36 | 2250 | 1.54 | 4000 | 6 | 80 | 385x390x425 | 36 |
| | BS-732 | 7-1/2 | 5.5 | 3 | 220~440 | 2-1/2 | 65 | 2250 | 6.67 | 2550 | 4.74 | 4750 | 10.5 | 86 | 490x470x505 | 76 |
| | BS-1032 | 10 | 7.5 | 3 | 220~440 | 2-1/2 | 65 | 3000 | 4.89 | 3250 | 17.33 | 4750 | 10.5 | 86 | 490x470x505 | 76 |
| | BS-1532 | 15 | 11 | 3 | 220~440 | 4 | 100 | 2200 | 9.65 | 2600 | 8.63 | 4800 | 17 | 87 | 730x550x575 | 123 |

*Motor-TEFC IP54 Grade F insulation

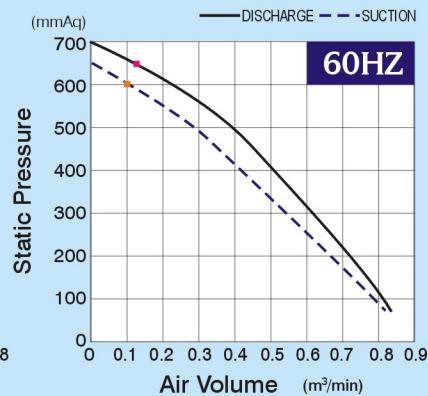
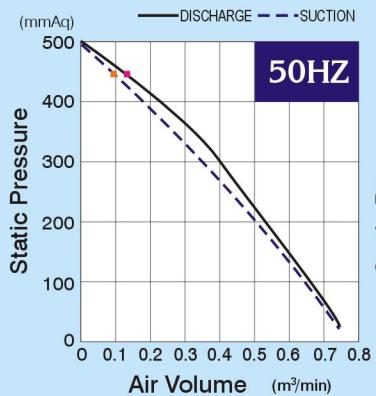
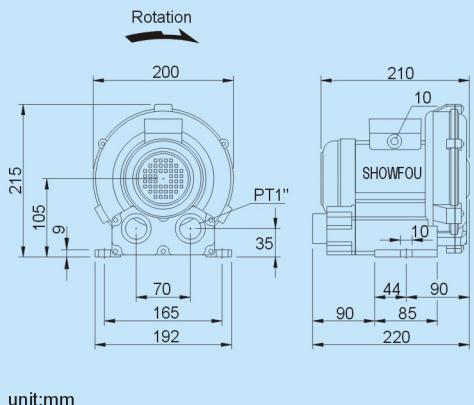
*Permitted maximum ambient temperature is 40°C



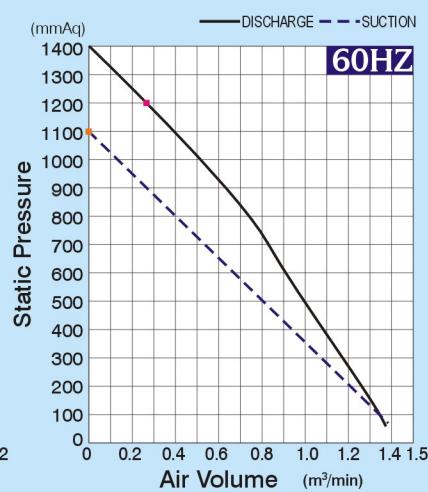
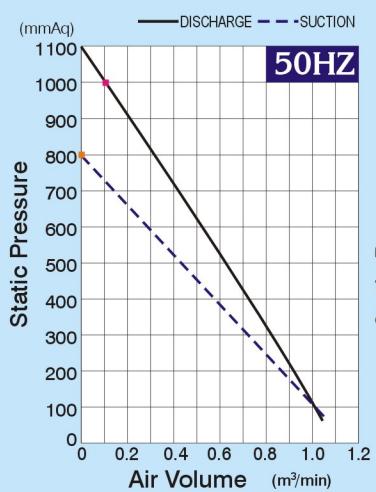
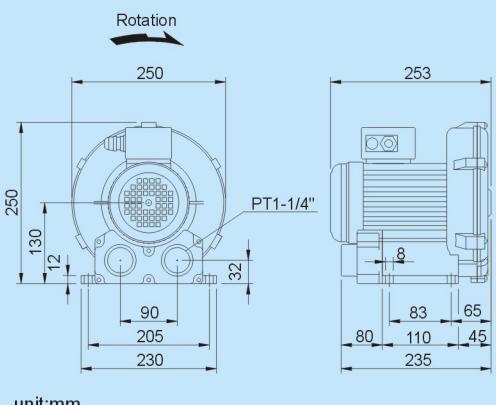
DIMENSIONS / PERFORMANCE CURVES

BS

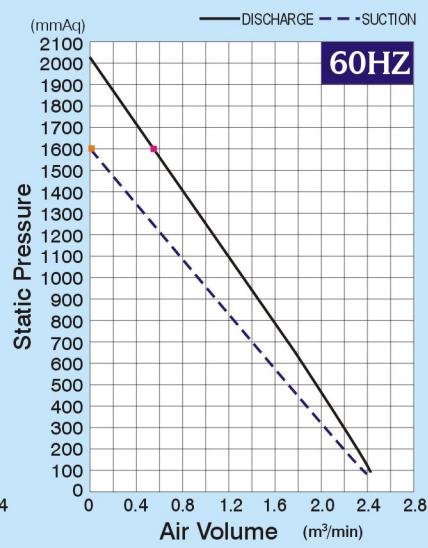
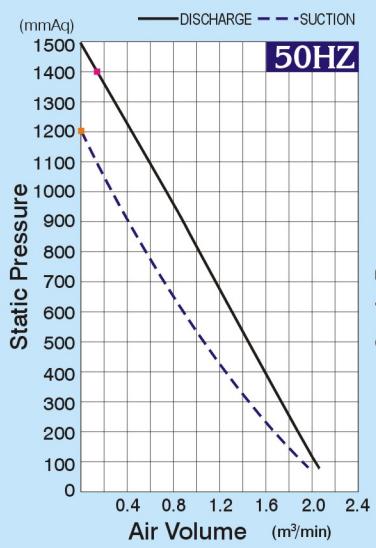
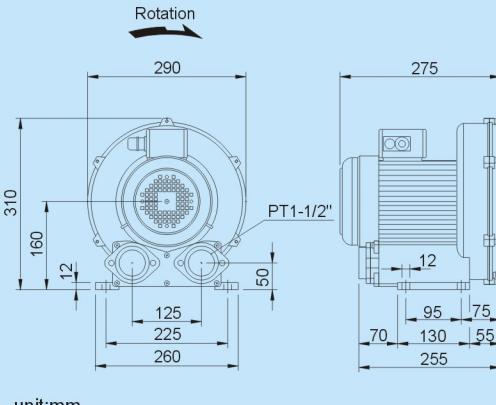
BS-0212



**BS-0512
0532**



**BS-112
132**

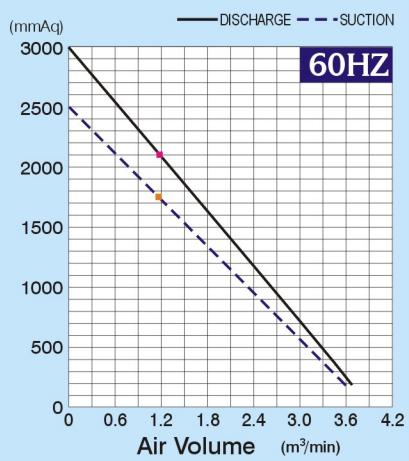
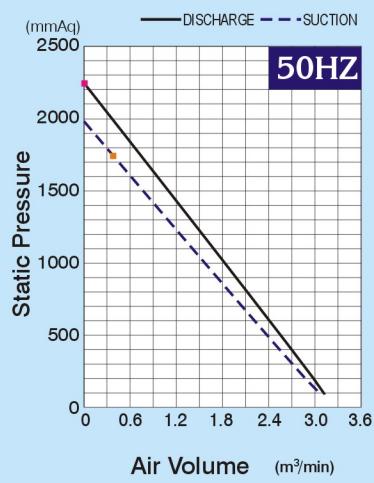
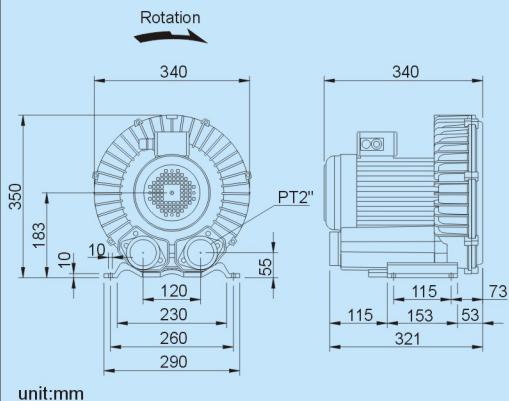




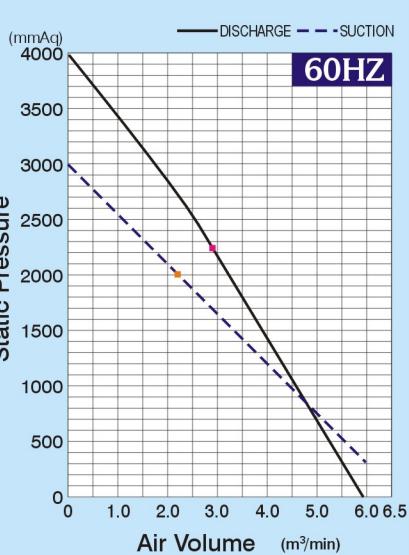
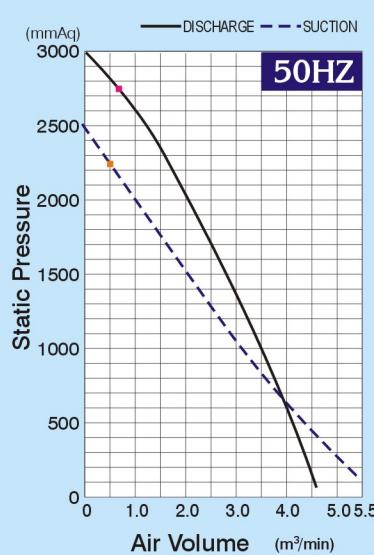
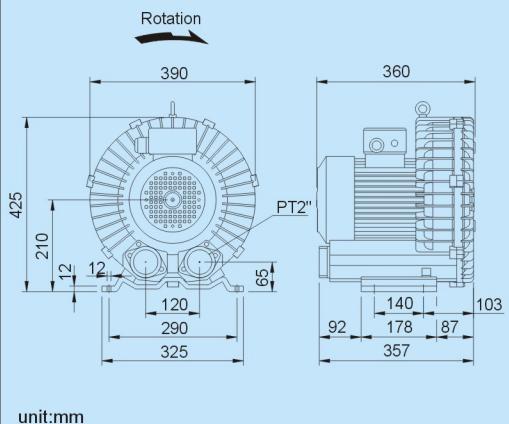
DIMENSIONS / PERFORMANCE CURVES

BS

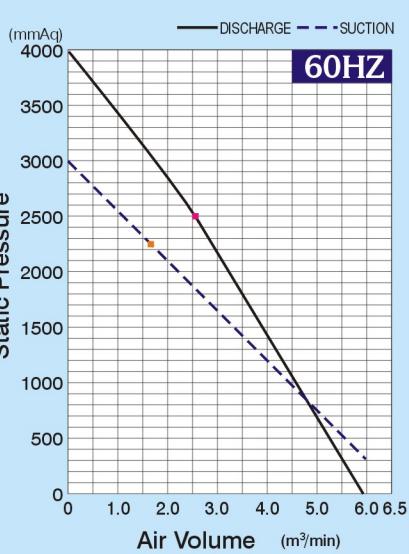
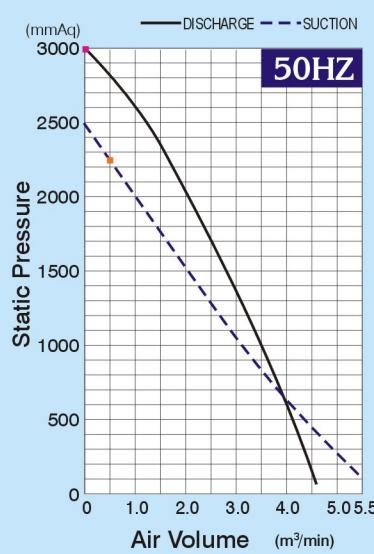
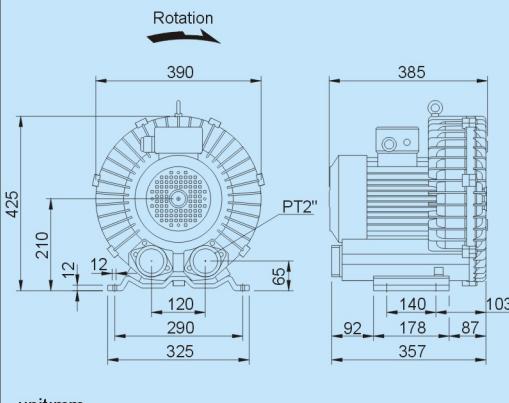
BS-
212
232



BS-332



BS- 532

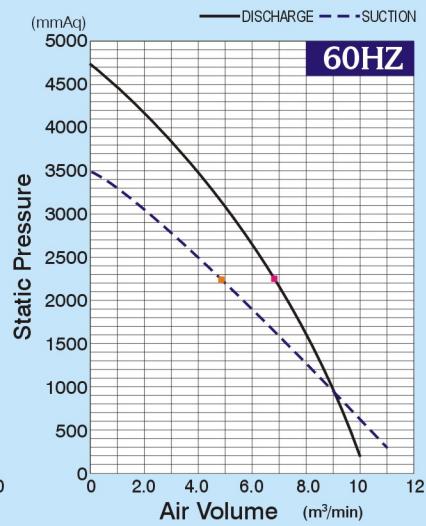
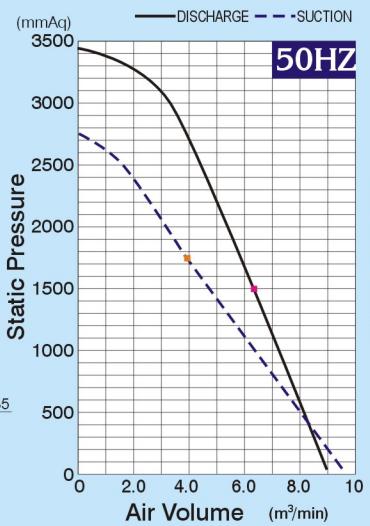
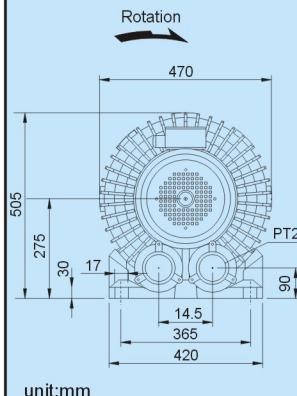




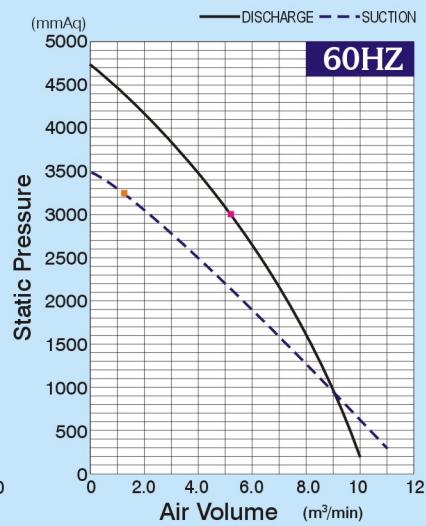
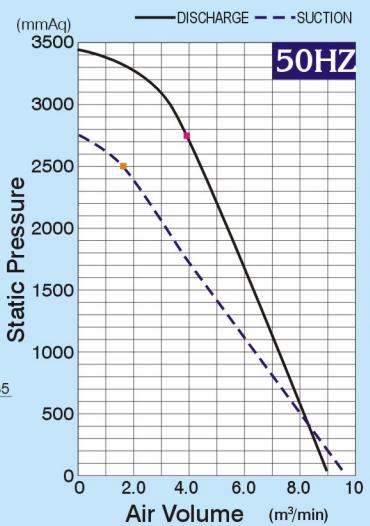
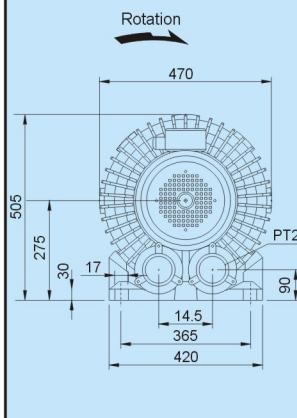
DIMENSIONS / PERFORMANCE CURVES

BS

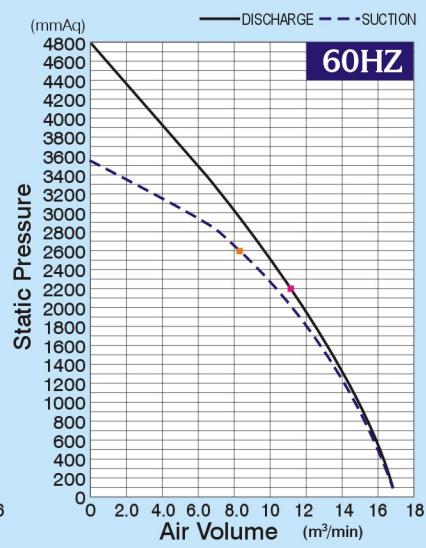
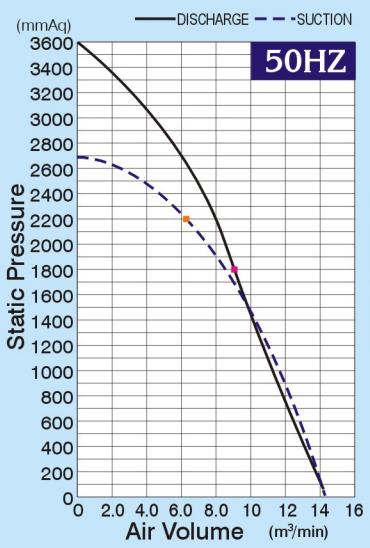
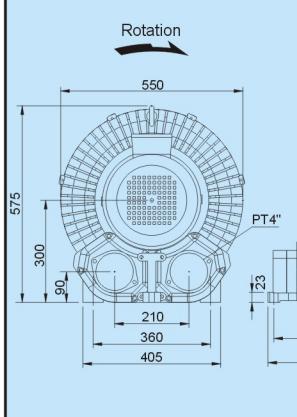
BS-732



BS-1032



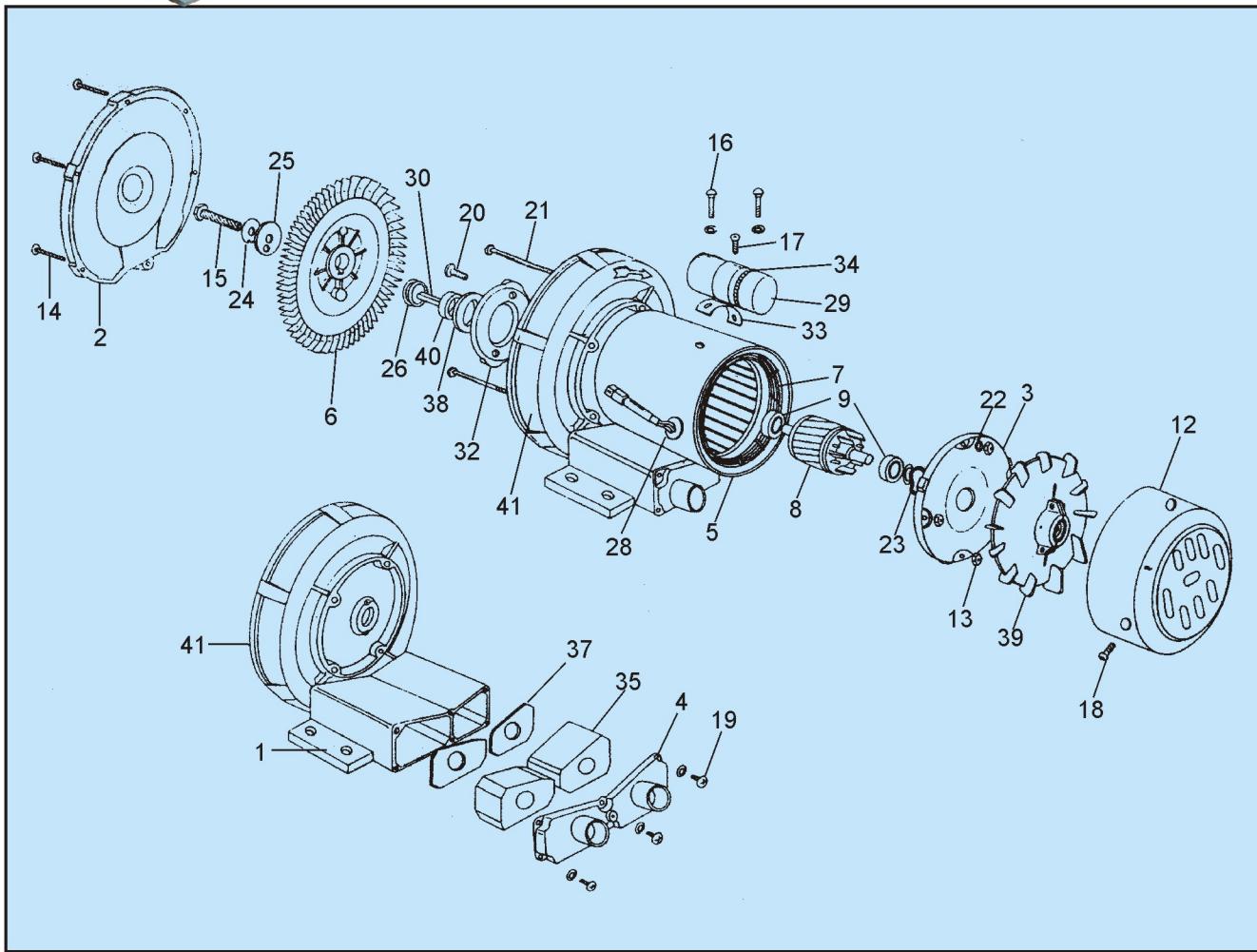
BS-1532





EXPLODED DIAGRAM

BS



■ BS type PARTS LIST

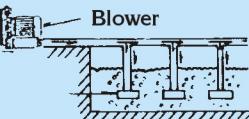
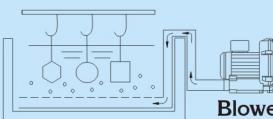
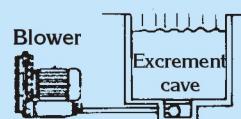
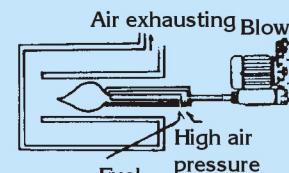
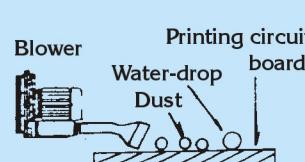
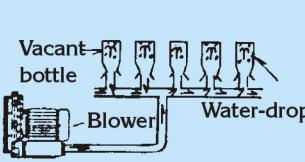
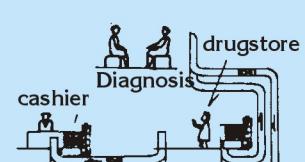
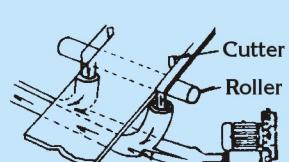
| REF NO. | NAME OF PARTS | QTY. | REMARK | REF NO. | NAME OF PARTS | QTY. | REMARK |
|---------|------------------|------|-----------------------|---------|---------------------|------|--------|
| 1 | BASE | 1 | | 21 | SCREW FOR NO. 5 | 1 | |
| 2 | FRONT COVER | 1 | | 22 | WASHER FOR NO. 21 | 1 | |
| 3 | FRAME REAR COVER | 1 | | 23 | WAVE WASHER | 1 | |
| 4 | FLANGE | 1 | | 24 | RETAINING WASHER | 1 | |
| 5 | FRAME / STATOR | 1 | | 25 | WASHER FOR NO. 6 | 1 | |
| 6 | IMPELLER | 1 | | 26 | GAP ADJUSTING SLICE | 1 | |
| 8 | ROTOR | 1 | | 28 | WIRE BUSHING | 1 | |
| 9 | BEARING | 2 | | 29 | CAPACITOR CAP | 2 | |
| 10 | CAPACITOR | 1 | for Single Phase Only | 30 | KEY | 1 | |
| 12 | FAN COVER | 1 | | 32 | BEARING COVER | 1 | |
| 13 | NUT FOR NO. 21 | 4 | | 33 | BRACKET | 4 | |
| 14 | SCREW FOR NO. 2 | 6 | | 34 | BAND | 6 | |
| 15 | SCREW FOR NO. 6 | 1 | | 35 | SPONGE | 1 | |
| 16 | SCREW FOR NO. 33 | 2 | | 37 | SPACER | 2 | |
| 17 | SCREW FOR NO. 10 | 1 | | 38 | SHAFT SEAL | 1 | |
| 18 | SCREW FOR NO. 12 | 3 | | 39 | COOLING | 3 | |
| 19 | SCREW FOR NO. 4 | 6 | | 40 | SLEEVE | 6 | |
| 20 | SCREW FOR NO. 32 | 2 | | 41 | HOUSING | 1 | |



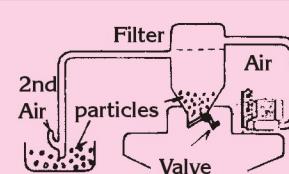
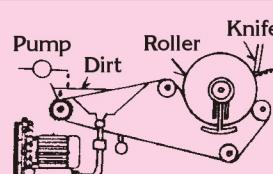
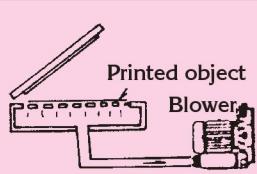
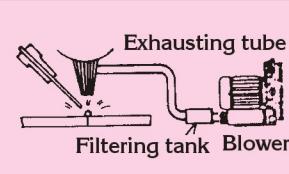
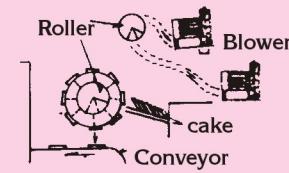
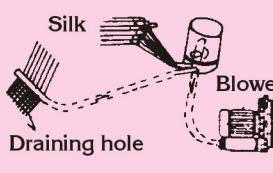
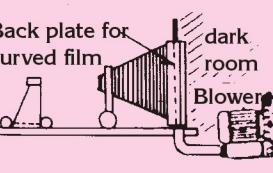
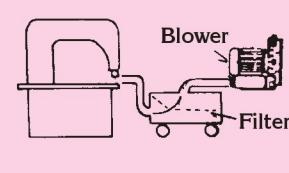
APPLICATIONS

BS

■ BS type RING BLOWERS FOR PRESSURE OPERATION

| SUPPLY OF OXYGEN IN RAISING POND | STIRRING OF ELECTRO-LIQUID | FERMENTATION TREATMENT OF DOMESTIC ANIMALS' EXCREMENT | HEAVY-DUTY OIL BURNING |
|--|--|--|---|
|  <p>To increase raising density and raising existence rate of fishes and shrimps. The use of blower for increasing solved oxygen amount is necessary.</p> |  <p>Stir electro-tank with air to make electro-particle flow and get rid of attached bubble. By thus, electro-plating will be quicker and efficiency even.</p> |  <p>Blow into excrement cave high pressure air to increase the contacting area of excrement and air. It's also suitable for being used in treating polluted water.</p> |  <p>Air exhausting Blower High air pressure Fuel</p> <p>High air pressure (4000mmAq) and enough amount of wind can reduce you the reliability on air compressor.</p> |
| ANTI-DUST DEVICE | BOTTLE WASHER | TRANSPORTATION OF DOCUMENTS | COLLECTION OF PAPER EDGE |
|  <p>Electronic PC can use blower to get rid of mini dust and water drop.</p> |  <p>Vacant bottle Water-drop Blower Water-drop</p> <p>Vacant bottle can be blown dried after washing. Suitable for to be used in food industry.</p> |  <p>cashier Diagnosis drugstore</p> <p>Air is the driven force, and will make prompt and assuring delivery of documents.</p> |  <p>Cutter Roller</p> <p>The tailored edge of plastic, cloth and paper can be automatically collected.</p> |

■ BS type RING BLOWERS FOR VACUUM OPERATION

| TRANSPORTATION OF POEDER PARTICLES | VACUUM DRAINAGE | NET PLATE PRINTING MACHINE | WELDING POLLUTED AIR COLLECTION |
|---|---|--|---|
|  <p>Transportation of particles such as plastic raw material, etc. can be done by air pressure (blowing) or vacuum absorption.</p> |  <p>Pump Dirt Roller Knife Blower</p> <p>Drainage of paste, dirt and cloth etc.</p> |  <p>Printed object Blower</p> <p>By use of absorption pressure for fixing to make printing work smooth.</p> |  <p>Exhausting tube Filtering tank Blower</p> <p>Smoke and dust produced in welding can be driven to another place by way of vacuum type for protecting operators' health.</p> |
| AUTOMATIC ARRANGER FOR CAKES | WEAVING MACHINE | PHOTO PLATING | COLLECTION OF INDUSTRY DUST |
|  <p>Roller Blower cake Conveyor</p> <p>Cakes won't be hurt. Every piece is evenly arranged by absorption.</p> |  <p>Silk Blower Draining hole</p> <p>Moisture and thread head is absorbed to raise product's quality and efficiency.</p> |  <p>Back plate for curved film dark room Blower</p> <p>By way of vacuum absorption to keep film even for photo-plating industry.</p> |  <p>Blower Filter</p> <p>Industry dust remaining in the machine can be cleaned with the method of above drawing shows.</p> |

BP / BL TURBO BLOWER

Designed for low pressure and high flow application

**BP Type —
Turbo Blower**



**BL Type —
Turbo Blower with Flow Regulating Disc**



■ FEATURES

- Light weight - Aluminum alloy housing
- Low Noise and Vibration
- Designed for Easy Installation
- Versatile capabilities for vacuum or pressure operation
- Low Maintenance Durability
- TEFC enclosure eliminates atmospheric contamination of motor windings and bearings

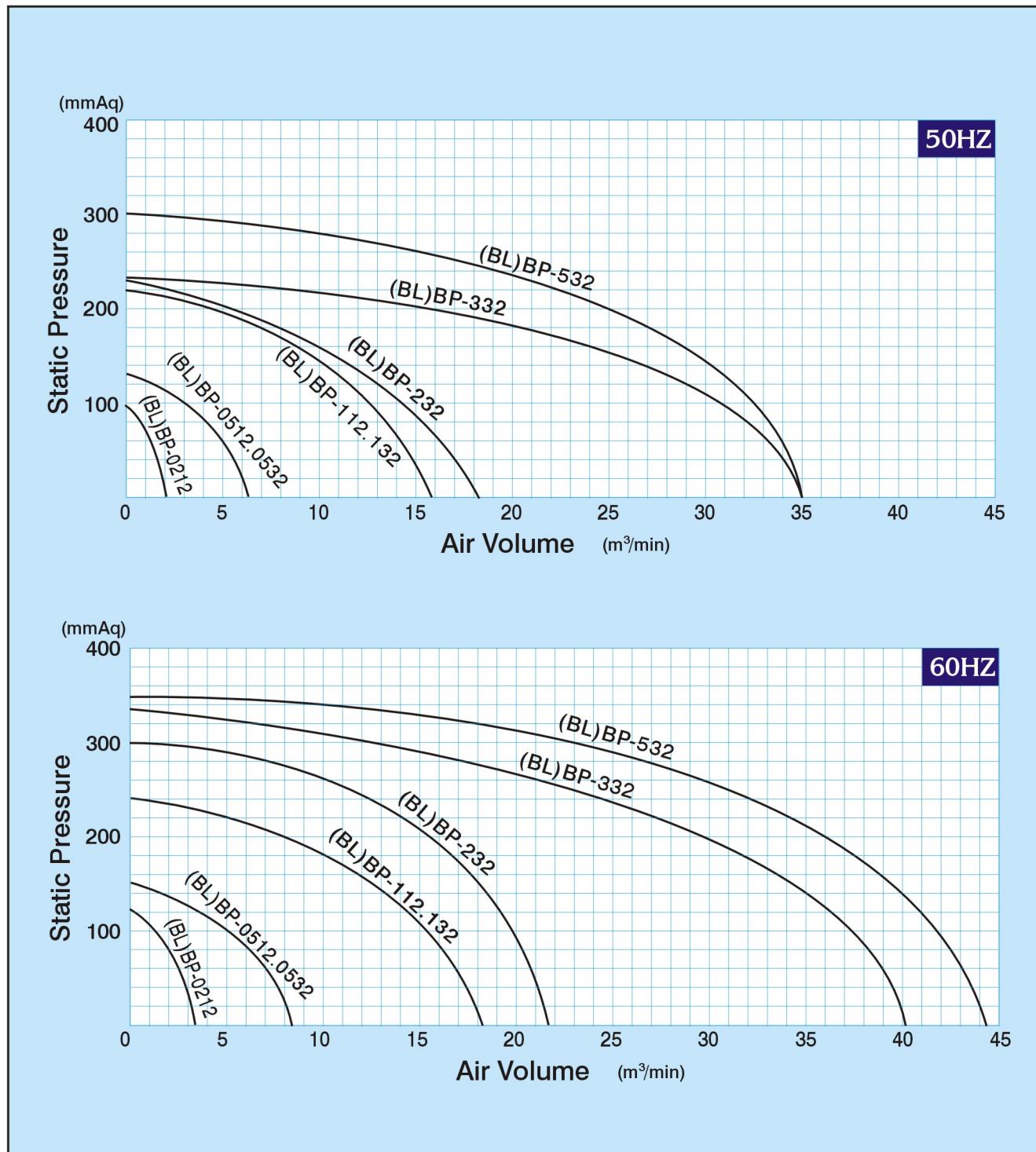
■ BP • BL type SPECIFICATION

| Hz | Type | | Motor | | | | Bore | | Maxi. Discharge mmAq | Maxi. Capacity m³/min | Noise dB(A) | L x W x H mm | Weight kg |
|----|---------|---------|-------|------|----|---------|-------|-----|----------------------------|-----------------------------|----------------|-----------------|--------------|
| | BP | BL | HP | kW | PH | V | inch | mm | | | | | |
| 50 | BP-0212 | BL-0212 | 1/4 | 0.2 | 1 | 220~240 | 2-1/2 | 65 | 100 | 2.1 | 50 | 250x345x305 | 11 |
| | BP-0512 | BL-0512 | 1/2 | 0.37 | 1 | 220~240 | 3 | 80 | 130 | 6.3 | 58 | 295x350x340 | 17 |
| | BP-0532 | BL-0532 | | | | | | | | | | | |
| | BP-112 | BL-112 | 1 | 0.75 | 3 | 220~440 | 4 | 100 | 220 | 15.7 | 64 | 365x425x410 | 20.5 |
| | BP-132 | BL-132 | | | | | | | | | | | |
| | BP-232 | BL-232 | 2 | 1.5 | 3 | 220~440 | 4 | 100 | 230 | 18.3 | 72 | 370x490x480 | 27 |
| | BP-332 | BL-332 | 3 | 2.2 | 3 | 220~440 | 5 | 125 | 230 | 35.0 | 76 | 445x550x540 | 36 |
| 60 | BP-532 | BL-532 | 5 | 3.7 | 3 | 220~440 | 6 | 150 | 300 | 35.0 | 80 | 510x660x620 | 48 |
| | BP-0212 | BL-0212 | 1/4 | 0.2 | 1 | 220~240 | 2-1/2 | 65 | 120 | 3.4 | 62 | 250x345x305 | 11 |
| | BP-0512 | BL-0512 | 1/2 | 0.37 | 1 | 220~240 | 3 | 80 | 150 | 8.5 | 70 | 295x350x340 | 17 |
| | BP-0532 | BL-0532 | | | | | | | | | | | |
| | BP-112 | BL-112 | 1 | 0.75 | 3 | 220~440 | 4 | 100 | 240 | 18.3 | 80 | 365x425x410 | 20.5 |
| | BP-132 | BL-132 | | | | | | | | | | | |
| | BP-232 | BL-232 | 2 | 1.5 | 3 | 220~440 | 4 | 100 | 300 | 21.5 | 90 | 370x490x480 | 27 |
| | BP-332 | BL-332 | 3 | 2.2 | 3 | 220~440 | 5 | 125 | 335 | 40.0 | 95 | 445x550x540 | 36 |
| | BP-532 | BL-532 | 5 | 3.7 | 3 | 220~440 | 6 | 150 | 350 | 44.3 | 100 | 510x660x620 | 48 |

BP Type Turbo Blower

BL Type Turbo Blower with " Flow Regulating Disc"

■ BP • BL Type PERFORMANCE CURVES



■ BP • BL Type APPLICATIONS

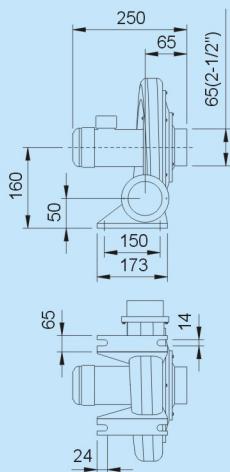
- Printing Machines
- Dust Collectors
- Textile Machines
- Woodworking Machines
- Grain Elevators
- Incinerators
- Dryer Machines
- Burning Machines
- Plastic Extruders

DIMENSIONS



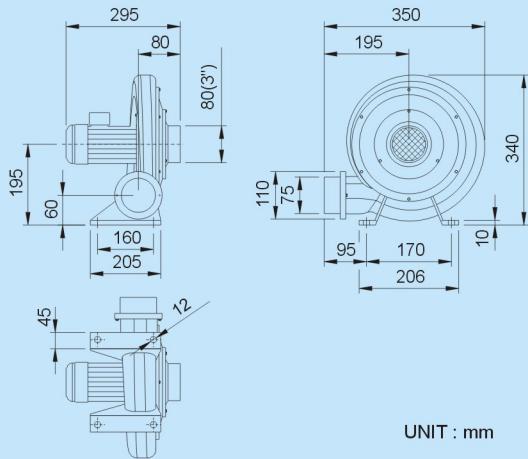
BP / BL

**BP-0212
BL-0212**



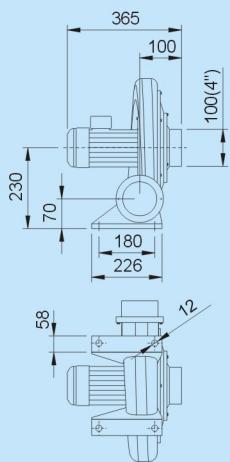
UNIT : mm

**BP-0512/0532
BL-0512/0532**



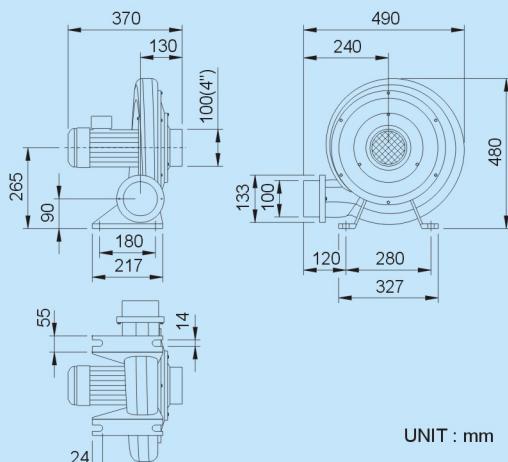
UNIT : mm

**BP-112/132
BL-112/132**



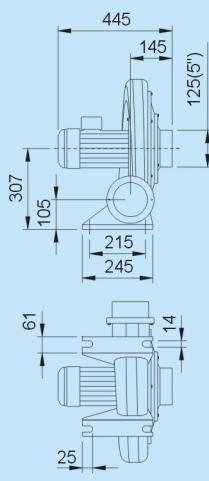
UNIT : mm

**BP-232
BL-232**



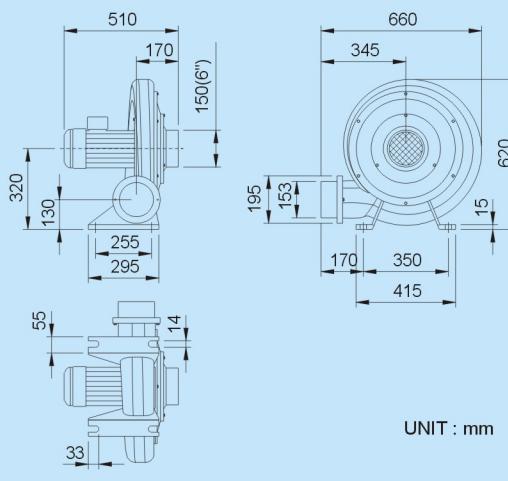
UNIT : mm

**BP-332
BL-332**



UNIT : mm

**BP-532
BL-532**



UNIT : mm

**Designed specifically for the filtration of coolants,
oil mist from Today's modern machine tools.**

BM

Ducted Style Oil Mist Collector



BV

Direct Mount Style Oil Mist Collector



■ FEATURES

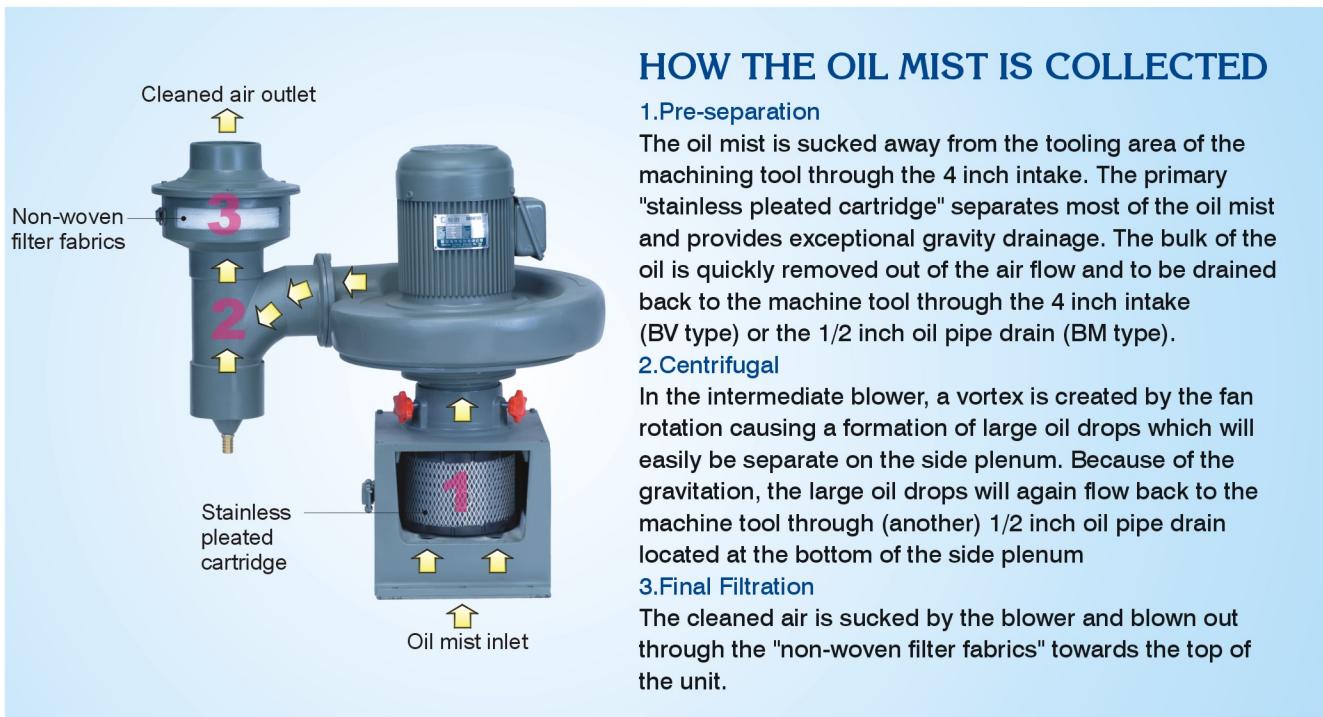
- Clean the Air
- Machine Fluid Savings
- Most of oil is separated, not filtered.
- Reduced Mist Exposure
- No expensive filters to replace
- Reduces Housekeeping Costs
- Easy installation & maintenance
- Compact and light weight.

■ BM • BV type SPECIFICATION

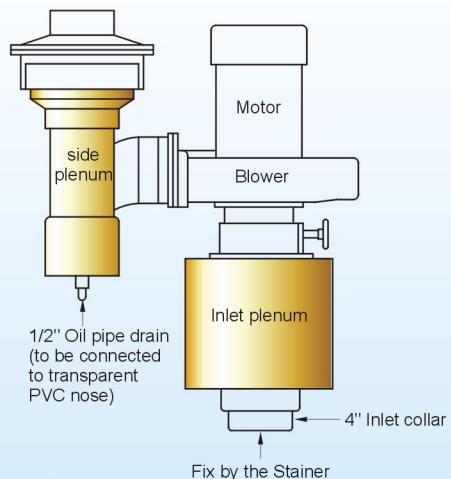
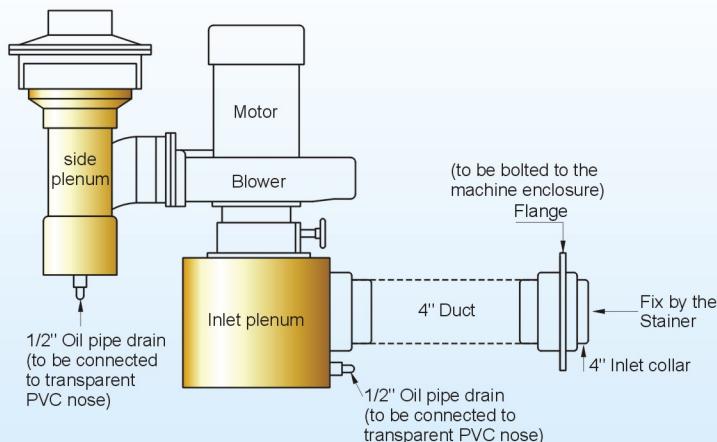
| Hz | Type | | Motor | | | | Bore | | Maxi. Discharge mmAq | Maxi. Capacity m³/min | Noise dB(A) | L x W x H mm | Weight kg |
|----|---------|---------|-------|------|----|---------|------|-----|----------------------------|-----------------------------|----------------|-----------------|--------------|
| | BM | BV | HP | kW | PH | V | inch | mm | | | | | |
| 50 | BM-0532 | BV-0532 | 1/2 | 0.37 | 3 | 220~440 | 4 | 100 | 130 | 6.3 | 50 | 570x380x580 | 28 |
| | BM-132 | BV-132 | 1 | 0.75 | 3 | 220~440 | 4 | 100 | 210 | 15.7 | 62 | 640x435x605 | 34 |
| | BM-232 | BV-232 | 2 | 1.5 | 3 | 220~440 | 4 | 100 | 230 | 18.3 | 72 | 720x520x615 | 40 |
| 60 | BM-0532 | BV-0532 | 1/2 | 0.37 | 3 | 220~440 | 4 | 100 | 150 | 8.5 | 56 | 570x380x580 | 28 |
| | BM-132 | BV-132 | 1 | 0.75 | 3 | 220~440 | 4 | 100 | 240 | 18.3 | 68 | 640x435x605 | 34 |
| | BM-232 | BV-232 | 2 | 1.5 | 3 | 220~440 | 4 | 100 | 300 | 21.5 | 80 | 720x520x615 | 40 |

■ APPLICATION

CNC Lathe, NC Processing, Spray coating machine, Tapping machine, Machine Center, Honing Machine

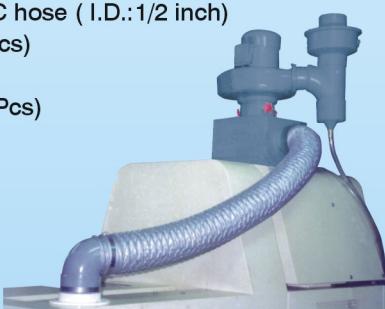


STANDARD ACCESSORIES



BM Type :

- Stainless pleated filter cartridge
- Non-woven Filter Fabric (10 Pcs)
- Flanged External Connector
(to be bolted to the machine enclosure)
- Strainer for the External Connector
- Transparent PVC hose (I.D.:1/2 inch)
- 90°C Elbow (2 Pcs)
- Flexible Duct
- Duct Clamp (4 Pcs)
- Hardware



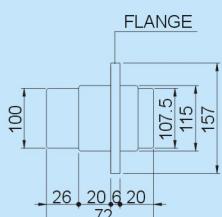
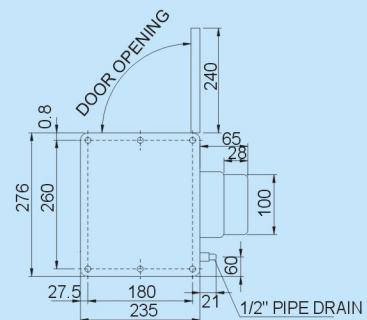
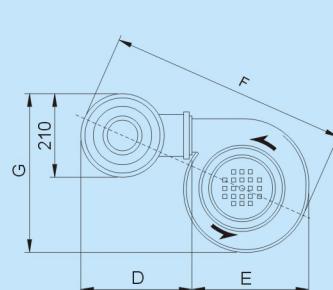
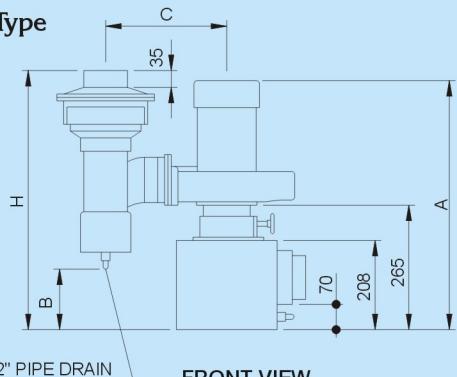
BV Type :

- Stainless pleated filter cartridge
- Non-woven Filter Fabric (10 Pcs)
- Flanged Inlet Collar
- Strainer for the Inlet Collar
- Transparent PVC hose (I.D.:1/2 inch)
- Hardware



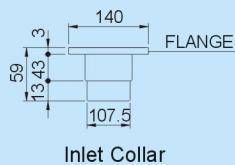
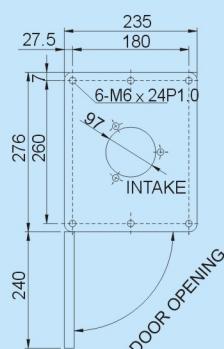
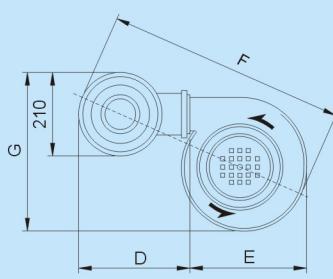
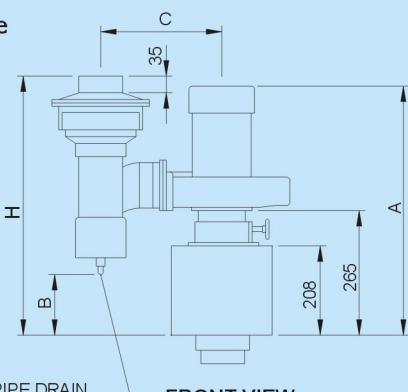
FILTRATION ELEMENT

Stainless pleated cartridge

**■ DIMENSIONS****BM Type**

| TYPE | A | B | C | D | E | F | G | H |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| BM-0532 | 550 | 140 | 290 | 235 | 315 | 570 | 380 | 580 |
| BM-132 | 610 | 155 | 620 | 240 | 380 | 640 | 435 | 605 |
| BM-232 | 635 | 165 | 660 | 240 | 460 | 720 | 520 | 615 |

UNIT : mm

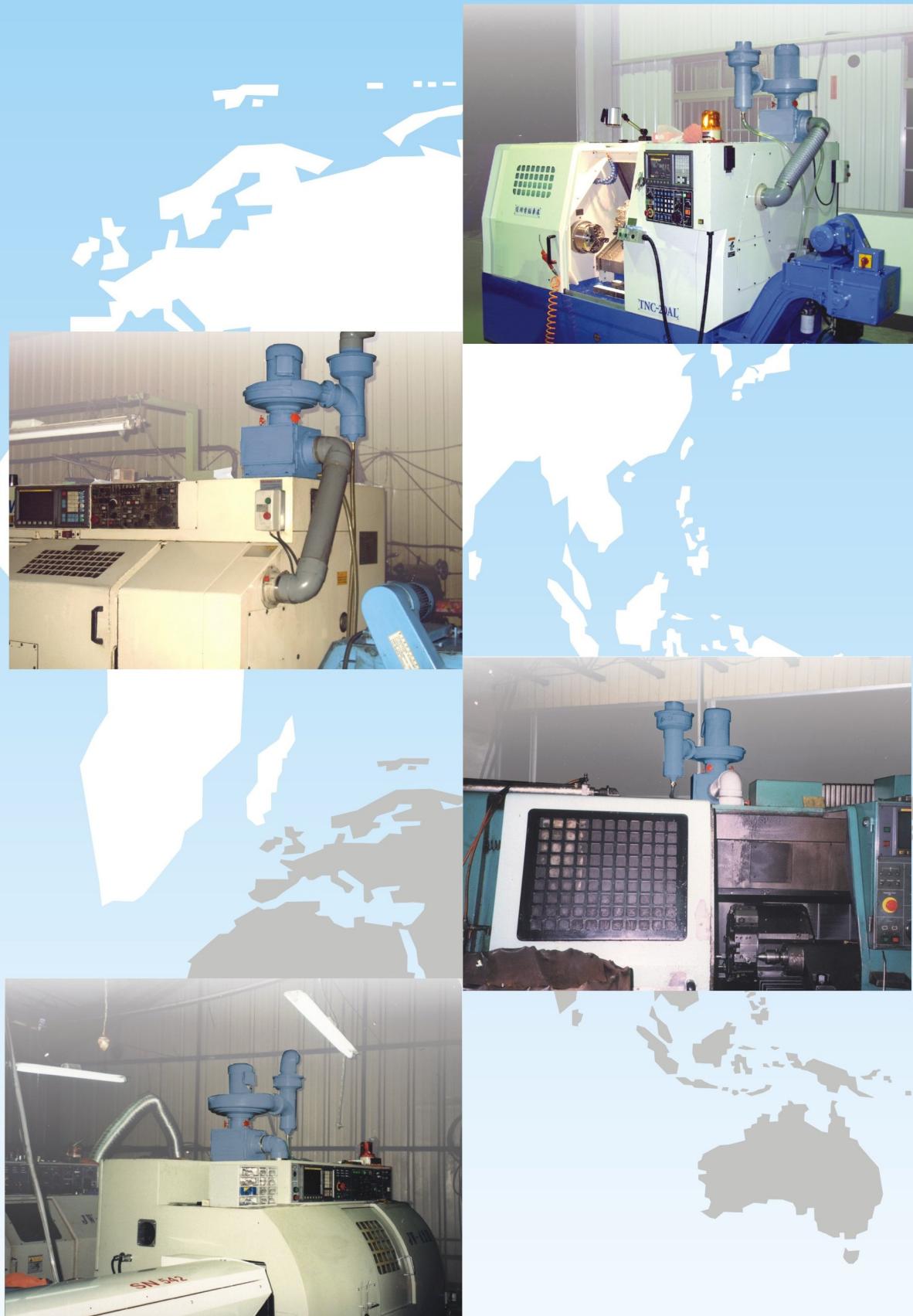
BV Type

| TYPE | A | B | C | D | E | F | G | H |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| BV-0532 | 550 | 140 | 290 | 235 | 315 | 570 | 380 | 580 |
| BV-132 | 610 | 155 | 620 | 240 | 380 | 640 | 435 | 605 |
| BV-232 | 635 | 165 | 660 | 240 | 460 | 720 | 520 | 615 |

UNIT : mm

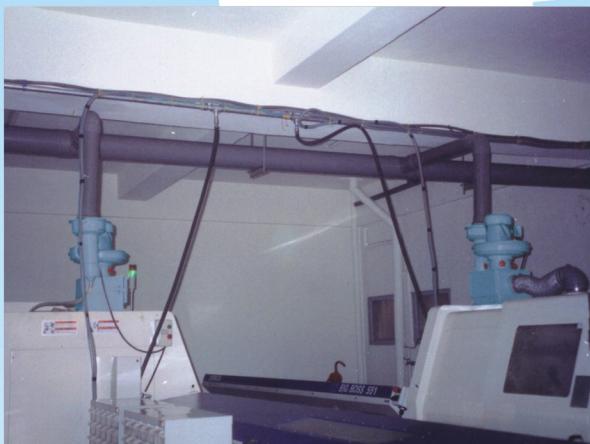
TYPICAL DUCTED INSTALLATIONS

BM



of SHOWFOU OIL MIST COLLECTOR

BM



BM

TYPICAL DIRECT MOUNT INSTALLATIONS

BV

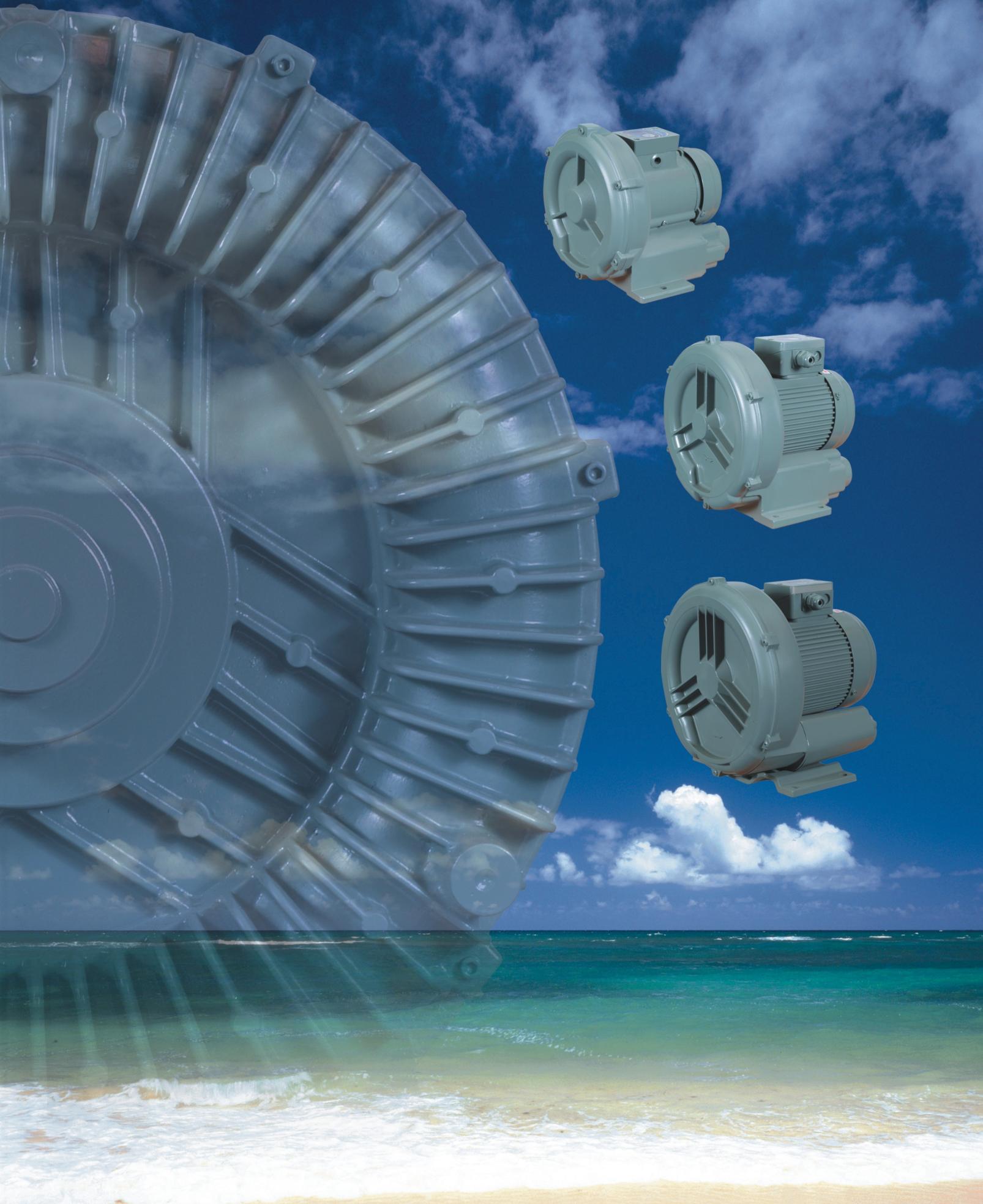


of SHOWFOU OIL MIST COLLECTOR

B-V



BV



SHOWFOU BLOWER

<http://www.showfoupump.com>



AGENT

All specifications subject to change without notice.