



CENTRIFUGAL BLOWER

SHIMI CENTRIFUGAL BLOWERS/FANS

SHIMI Industrial Centrifugal blowers are heavy duty, highly efficient line of material handling and air moving blowers, incorporating all the latest improvements to meet the requirement of applications in foundries, engineering industries and chemical plants etc.

SHIMI Blowers are manufactured with air handling capacity of 300CMH to 2,00,000 CMH against system resistance upto 1,200 mm WG, at density of 1.2 kg/cu.m. And in two stage blowers upto 2,500 mm WG.



Single Inlet Blower



Limit Load Blower



Combustion Blower

The housing is of sheet steel, and completely welded construction with a circular inlet and rectangular outlet. For, bigger sizes, this housing are of horizontal-split type to provide easier access to the impeller. The housing is supplied in 16 different directions of discharge (as shown on front image)

The Impellers are multi bladed and constructed for smooth vibration free running. All impellers are suitably precision balanced. There are different types of wheels to suit different pressure range and application.



Straight Radial Blade



Backward Curved Blade



Self-Cleaning Blade



Limit Load Blade



Forward Curved Blade

STRAIGHT RADIAL BLADE

The blade is of rugged construction and is suitable for handling heavy and fibrous dust. This can also be used for Pneumatic Conveying System.

BACKWARD CURVED BLADE

This is an air wheel with backward curved blades of aerodynamic form to convey clean air and gas. This wheel has the highest efficiency. IT can be used in any Forced Draft Application.

SELF-CLEANING BLADE (Radial Blade)

This wheel has backward curved blades with radial tip and possesses self – cleaning properties. This Wheel is suitable for handling air, which contains fumes or light dry dust. Good Self Cleaning characteristics available with or without shroud& Impeller with hard facing on blower.

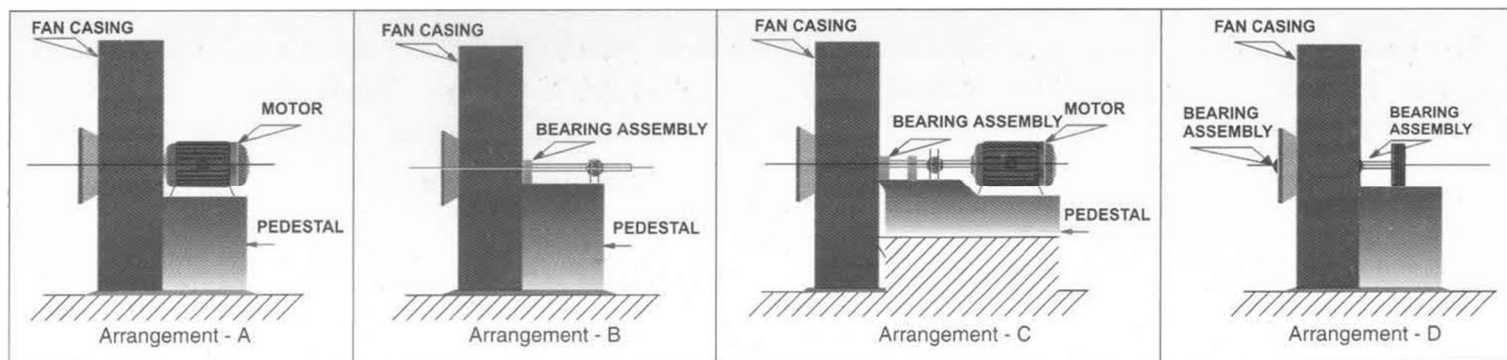
LIMIT LOAD BLADE

These blades has Backward cum Forward curved type i.e., S-type. The BHP consumption for particular RPM is limited at different pressure and hence called limit load. i.e., there will be slight variation of BHP at different pressure for particular RPM. These fans are heavy duty as compared to forward curved blade impeller fans and are used for Air Conditioning, Air cooling, and Ventilation Purpose etc.

FORWARD CURVED BLADE

The Blades of this impeller are bending towards to the direction of rotation. These blades are of light weight and are generally fabricated from GI/Aluminium sheet and are used for Air Conditioning, Air Cooling, and Ventilation Purpose etc.

DIFFERENT DRIVE ARRANGEMENTS



DIFFERENT DRIVE ARRANGEMENT

Four type of drive arrangement is provided.

Arrangement A:

The Impeller is directly mounted on the shaft. This arrangement is convenient when the speed of the blower corresponds to the rated motor speed. The motors to be used are horizontal foot mounted/flange type. The Maximum temperature permissible for this arrangement is 80°C.

Arrangement B:

The Impeller is directly mounted on the shaft supported by two Ball / roller bearings enclosed in a plumber block housing placed on a pedestal. This arrangement is preferred where the motor speed doesn't permit direct drive or for a desired speed of the impeller. The shaft is extended on one side to receive a pulley. Blowers of size 70 and above are supplied with split type housing. The maximum permissible temperature for this arrangement is 150°C but with cooling disc, the arrangement can handle upto 380°C.

Arrangement C:

The arrangement is a combination of both **Arrangement A and Arrangement B**. Here, the blower is supplied with an extended pedestal to accommodate both the bearing assembly unit and the AC motor. The wheel is mounted on a shaft. Supported by bearings on one side, and couples directly to the AC motor through a suitable coupling. This arrangement is suitable when the blower is required to run at a rated speed and at the same time keeping the motor away from the air stream. Inspection/ maintenance of motor is easy in this arrangement and is suitable for high temperature.

Arrangement D:

For Belt drive, the impeller is suspended between bearings, one on each side of housing, with pulley overhung. Furnished in single and double inlet fans.

These Industrial Blowers can be manufactured in Stainless Steel, Carbon Steel and Aluminium according to the requirement and application. Coating with special corrosive resistance paint or FRP lining can also be offered.

Type	Total Pressure Max.	Type	Total Pressure Max.	Type	Total Pressure Max.
SRCBL	130 mm WG	SRCBM	450 mm WG	SRCBM	800 mm WG
SRCSL	110 mm WG	SRCRM	600 mm WG	SRCRM	900 mm WG
SRCRL	300 mm WG	SRCSM	400 mm WG	SRCSM	500 mm WG
SRCSL	250 mm WG			SRCBH	1200 mm WG
				SRCSH	1100 mm WG

SHIMI COMBUSTION AIR BLOWER

SHIMI IS SPECIFICALLY MANUFACTURING HIGH PRESSURE SUPPLY AIR FAN FOR COMBUSION SYSTEM IN DIRECT DRIVE ARRANGEMENT. THE FAN CAN BE USED FOR OTHER APPLICATION AS PER THE TECHNICAL DATA GIVEN BELOW.

Medium Pressure (28" WG AT 20°C)

Model	H.P.	C.F.M	NM ³ /Hr.
SRCHS 3/28	3	300	510
SRCHS 5/28	5	550	930
SRCHS 7.5/28	7.5	850	1450
SRCHS 10/28	10	1200	2040
SRCHS 15/28	15	1700	2890
SRCHS 20/28	20	2200	3740
SRCHS 25/28	25	3000	5100
SRCHS 30/28	30	3500	5950
SRCHS 40/28	40	4800	7900

HIGH Pressure (10" WG at 20°C)

Model	H.P.	C.F.M	NM ³ /Hr.
SRCHS 5/40	5	400	680
SRHS 7.5/40	7.5	600	1020
SRCHS 10/40	10	800	1360
SRCHS 15/40	15	1200	2040
SRCHS 20/40	20	1600	2720
SRCHS 25/40	25	2000	3400
SRCHS 30/40	30	2400	4080
SRCHS 40/40	40	3200	5200

TO ensure us to Select the right fan for your requirement. Please send us the Following information

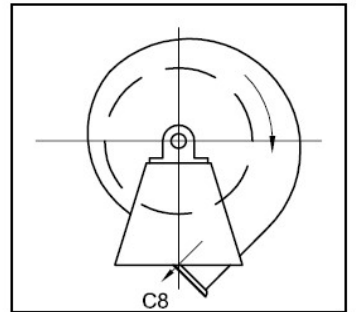
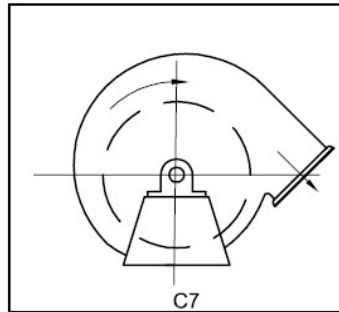
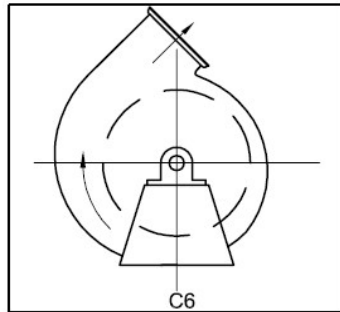
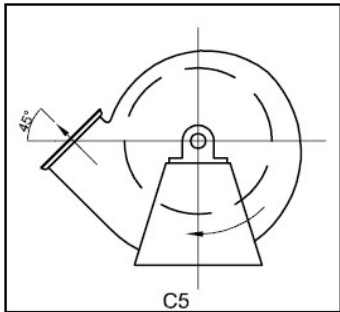
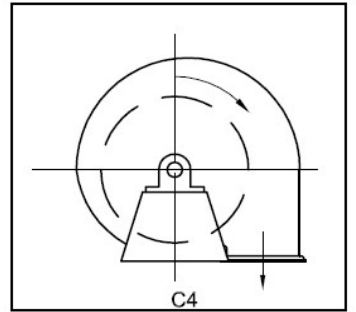
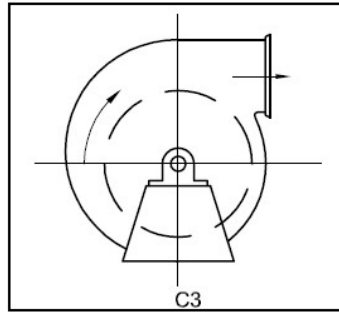
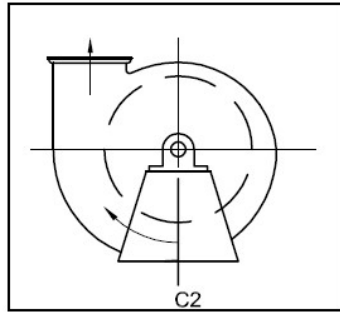
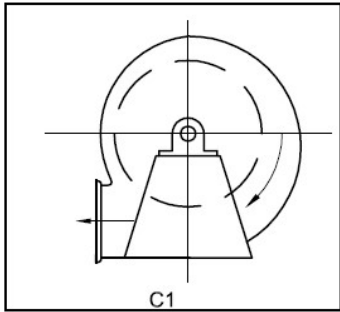
- Air/Gas Quantity (CFM/CMH)
- Static & Total Pressure (mmWG/InchesWG)
- Operating Temperature (C°/F°)
- Application
- Discharge Direction (As per next Page)

- Type of Drive required (Direct/V-belt)
- MOC
- Gas Density
- Dust Content & Type of Dust

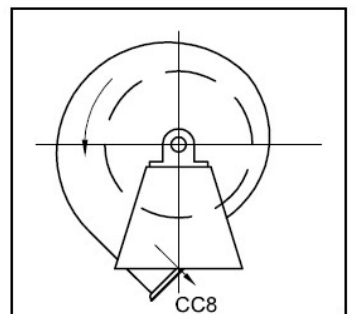
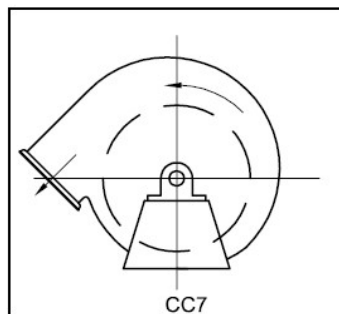
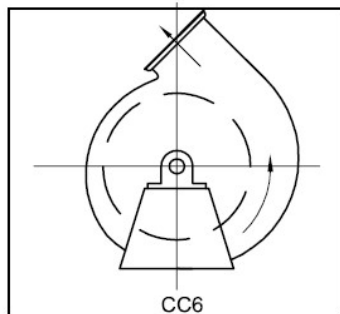
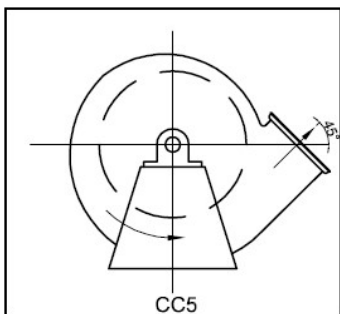
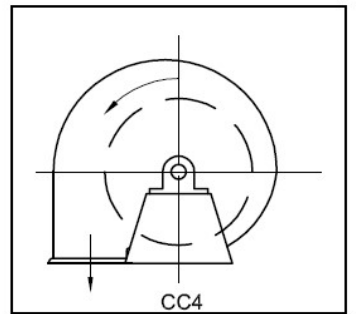
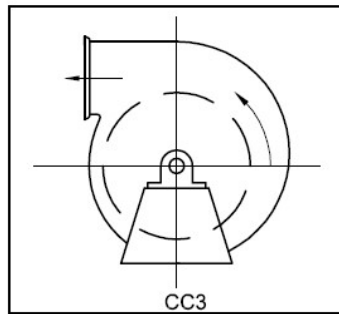
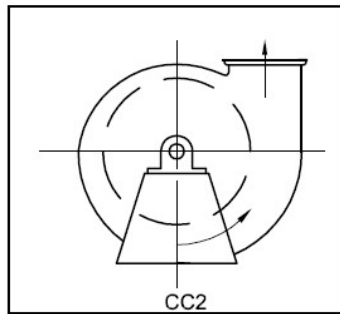
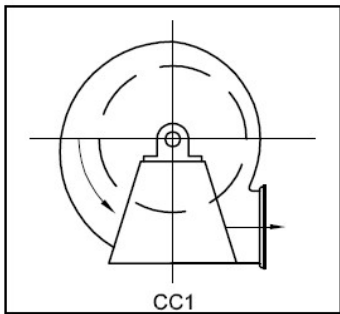
***ANY SPECIAL REQUIREMENT**

*SHIMI guarantees its products to be free of defects in materials and workmanship for a period of one year from date of delivery from the factory, provided motors are properly installed with overload protector.

FAN ORIENTATION



CLOCKWISE ROTATION OF IMPELLER - R



COUNTER CLOCKWISE ROTATION OF IMPELLER - L



Five Stars



Stability



Safety



Easy Maintenance



Power Saving



Cost Effective



Artistic



Convenience



Intelligence



Performance

OUR OTHER EQUIPMENTS:

- Centrifugal Blower
- Axial Fans
- Wet Scrubber
- Dust Collectors
- Cyclones
- ESP Fume Collection Unit
- Water Recycling Unit
- ESP Oil Collection Unit
- Dry Scrubber



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