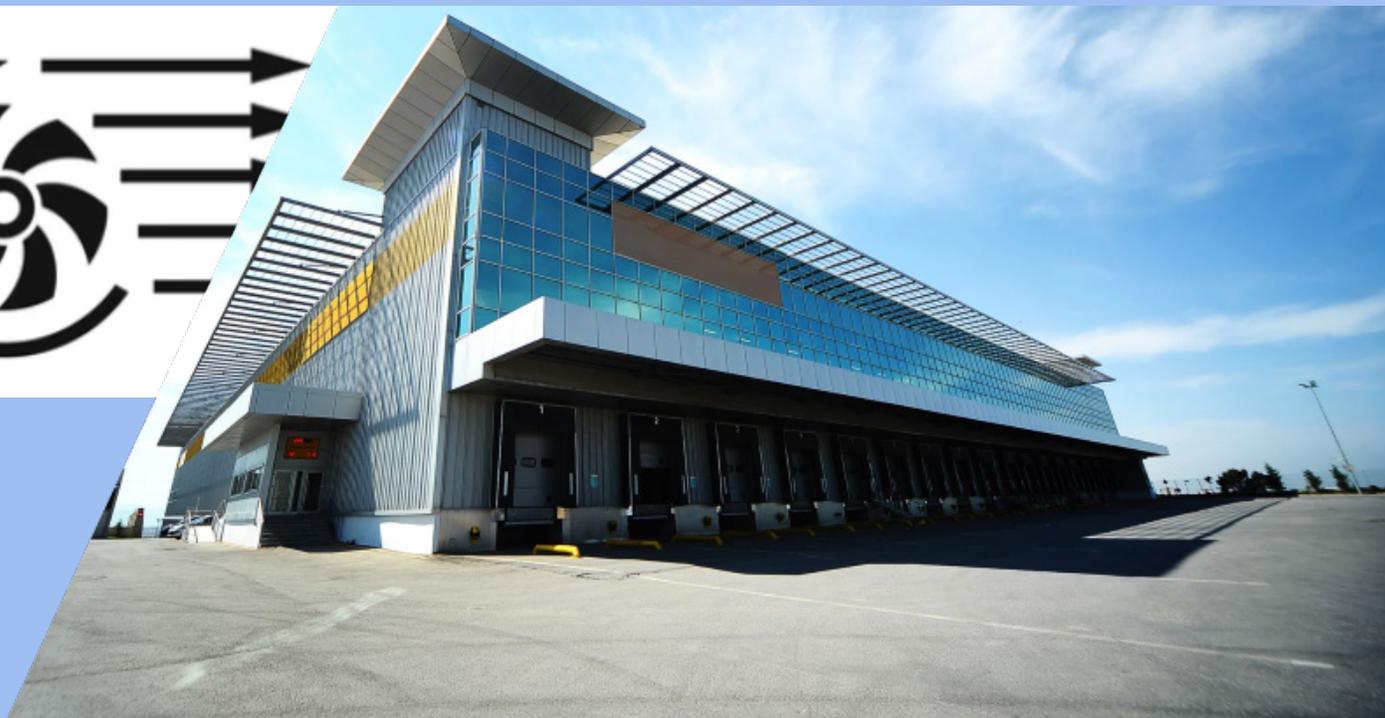


YOUR PARTNER IN AIR VENTILATION INDOOR AIR QUALITY

SUV FANS



Call us : 9024087507 , ,RILCO Industrial area Bhiwadi,Alwar,Rajasthan

Centrifugal Inline Cubic Fans Direct Drive

SUV's model CUBIC centrifugal inline fans feature a unique combination of installation flexibility, rugged construction, ease of service, high efficiency and low sound levels.

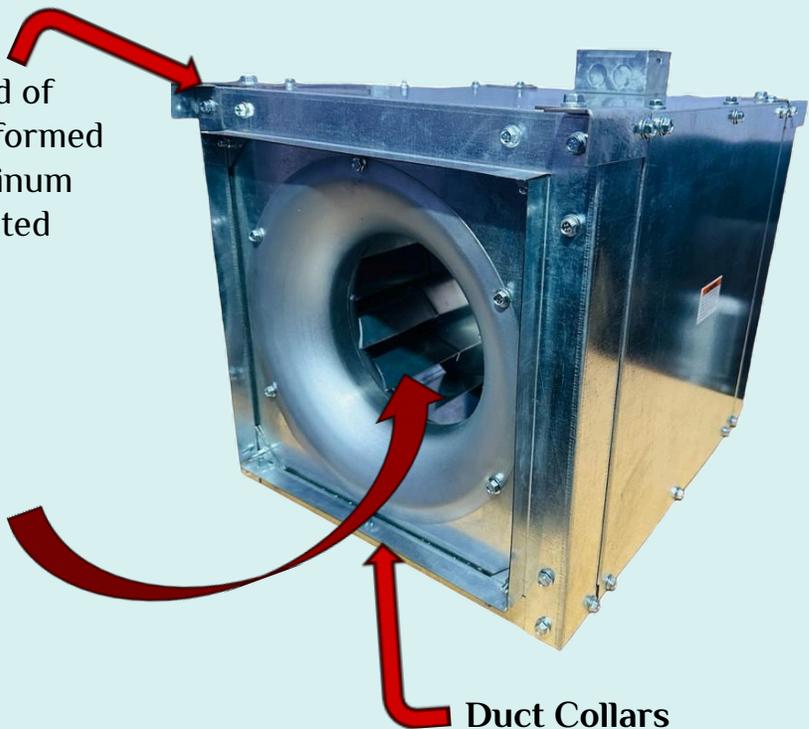
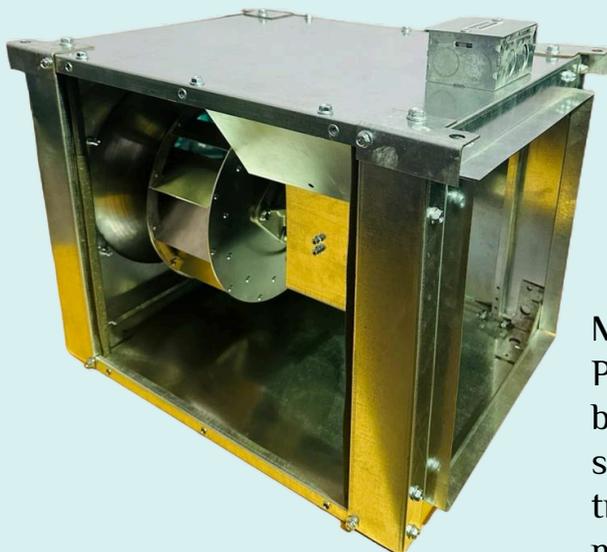
These compact inline fans are the ideal selection for indoor clean air applications including intake, exhaust, return or make-up air systems where space is a prime consideration. The need for costly square-to-round transition pieces is eliminated reducing installation costs. The square housing design, compact size and straight-thru airflow also give the system designer the flexibility to mount CUBIC fans in any configuration — horizontal, vertical or at any angle.

Housing Construction

The fan housing is constructed of rigid structural members and formed galvanized steel panels. (Aluminum construction is optional) structured from heavy-gauge steel

Wheel

Backward inclined, non-overloading centrifugal wheel is utilized to deliver maximum efficiency. Each wheel is statically and dynamically balanced.



Duct Collars

Inlet and discharge duct collars are provided for easy duct connection. The square design provides a larger discharge area than tubular centrifugal and vane axial fans; outlet velocities are reduced for quieter operation.

Motor

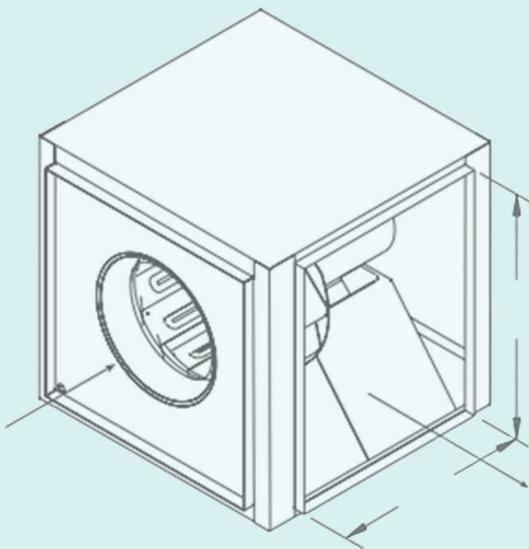
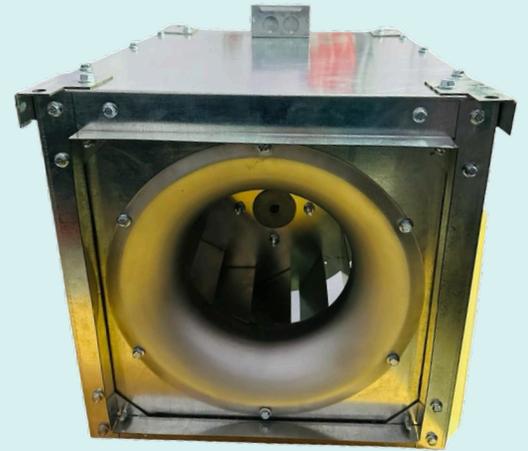
Permanently lubricated, sealed ball bearing motors are selected to provide years of trouble-free operation with minimal maintenance

Model Description

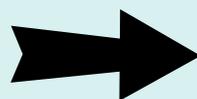
Model	Location		Mounting				Airflow				Application						Drive Type		Imp Type		Performance			
	Outdoor	Indoor	Roof top	Floor mount	Ceiling hang	Wall	Exhaust	Supply	Boosting Air	Re Distribute	General Ventilation	Clean air	Spark Resistant	Bathroom	Hospitals (General /OT)	Kitchen(normal exhaust)	Kitchen(Grease Application)	High Temp(Above 90 Deg.)	Direct	Belt	Aixial	Centrifugal	Maximum Airflow (CFM)	Maximum SP (mm wg)
Cubic	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓			✓				✓	5000	50

Performance and fan curves

Performance		
Model	SP	CFM
Cubic 10	up to 1.5 inch	up to 1200
Cubic 12	up to 1.5 inch	up to 2000
Cubic 13	up to 1.5 inch	up to 2500
Cubic 14	up to 1.5 inch	up to 3500
Cubic 16	up to 1.5 inch	up to 5000



Typical installation image



Why Cubic Fans?



COMPACT IN SIZE



LOW POWER CONSUMPTION



INSTALLATION FLEXIBILITY



EASE OF SERVICE



COST EFFECTIVE



HIGH EFFICIENCY



LOW SOUND LEVELS

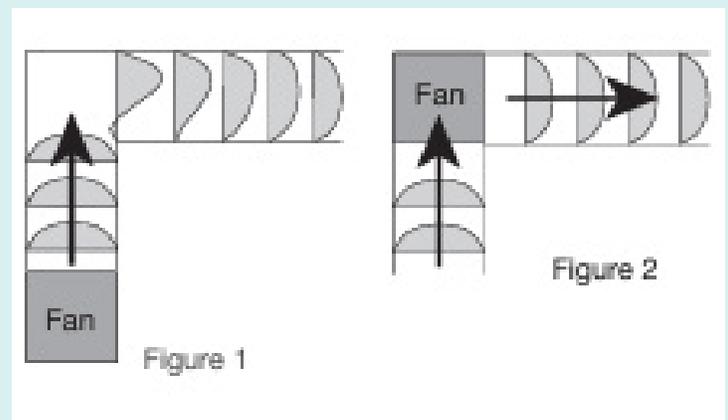
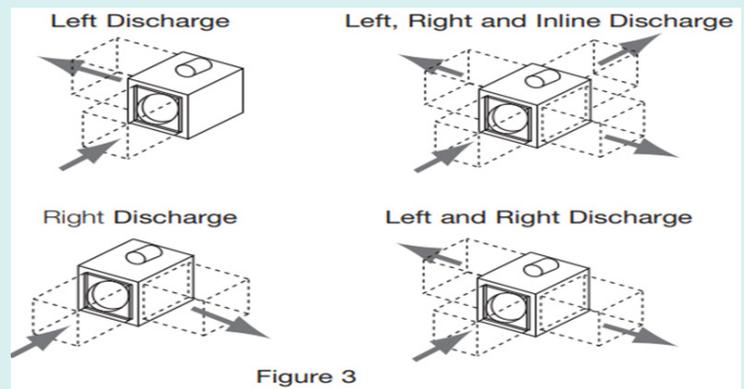
Discharge Options

The side discharge option helps to reduce system effect. It will increase performance and reduce installation labor. The most notable is reducing system effects.

The Figure 1 example shows the air being discharged into the corner. It will take several duct lengths before the airflow becomes laminar or smooth again after making the turn.

In Figure 2, the fan is placed in the corner using a side discharge. In this configuration the airflow pattern at discharge is smooth and supports a more predictable system. Remember the duct length on the discharge side should be approximately two-to-three-wheel diameters to achieve catalog performance.

Right discharge 104%, Left side 108%



Axial Wall Exhaust and Supply Fans

Designed to efficiently ventilate in typical installations including factories, warehouses and other industrial environments. Fans are designed for wall mounted clean air applications and can be configured with our standard options and accessories.

Capacity -

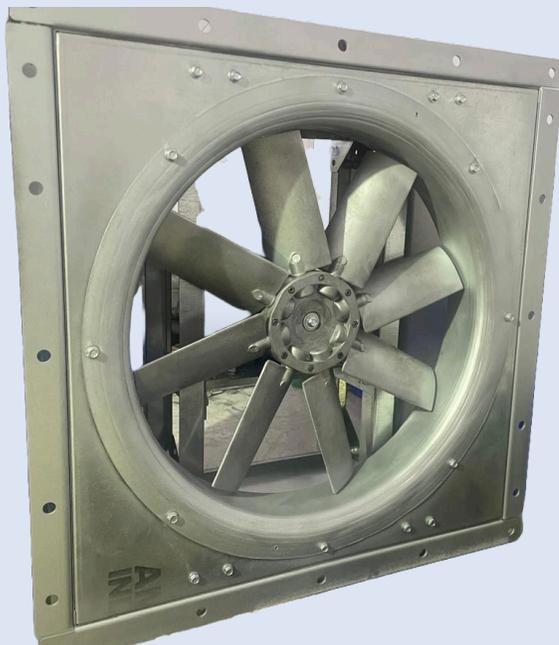
Air volume

SW20 -5000 CFM - 550 Watt

SW24 -8000 CFM - 1000 Watt

Static pressure - up to 1 inch of H₂O

Motor Option- 1 Ph/3 Ph



Model Specifications

Model SW :

Direct drive, axial type sidewall fans shall be provided as follows:

Propellers :

shall be constructed with cast aluminum blades and hubs/Steel fabricated. A standard square key and set screw or tapered bushing shall lock the propeller to the motor shaft. All propellers shall be statically and dynamically balanced.

Motors :

shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified RPM, voltage, phase, and enclosure.

Motor drive :

frame assemblies and fan panels shall be galvanized steel. Drive frame assemblies shall be formed steel and fan panels shall have pre punched mounting holes, formed flanges, and an insertable drop-in venturi. Drive frames and panels shall be bolted construction



Applications

- Car parks
- Data centers
- Live stock farming
- Warehouses
- Distribution centers
- Factories

CENTRIFUGAL BLOWERS

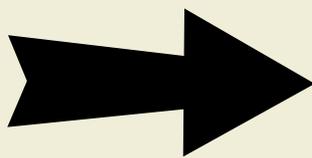
Comercial and industrial Indoor and Outdoor application

SIW blowers designed to handle a variety of commercial and industrial applications:

- General supply, return or exhaust systems
- Emergency smoke exhaust (buildings, car parks, etc.)
- Restaurant grease exhaust
- Stairwell pressurization
- Dust collectors
- Spark-resistant fume exhaust
- Corrosive fume exhaust
- Grain drying

Options:

- Spark resistant
- Galvanised Construction
- Powder Coated version



Actual Site image



Power Roof Ventilators Upblast Fan

The backward inclined centrifugal upblast direct drive exhaust fan designed for roof mounting application to eliminate the hot or contaminated air directly from mounted surface.

Highly efficient with low power consumption



Highlights

Wheel- Non overloading backward inclined alluminum alloy wheel to generate high efficiency with low sound. each wheel is statically and dynamically balanced.

Motor- Best in class motor, carefully matched with load and mounted outside the air stream.

Rhombus hood- specially designed to withstand at high speed wind and cooling fins on sides to efficacious cooling of motor to maxiamize motor life.

Curb Cap- single piece weathertight curb cap with pre punched mounting holes to easily install in roof structure

Performance

Capacity -

Air Volume

1000 CFM - 100 Watt

2000 CFM - 300 Watt

3500 CFM - 500 Watt

5000 CFM - 950 wattt

Static Pressure- up to 1 inch of H2O

Motor option- 1 Ph /3 Ph

Ceiling exhaust cabinet/Circular inline fans

Silent Buddy

Great things come in small packages, as do our SB ceiling exhaust fan and inline cabinet fan models. Be assured when you buy any SUV's product; it is a quality product at a competitive price. What makes this fan noiseless- FC wheels, acoustic housing and shock mount b/w motor and housing

Spotlight – Duct-mounted exhaust, supply or return air fans shall be of the centrifugal direct drive type. The fan housing shall be constructed of heavy-gauge galvanized steel. The motor shall be mounted on vibration isolators. The fan wheel shall be of the forward-curved centrifugal type and dynamically balanced



Benefits

- Industry-leading sound levels
 - Compact size
- Wide range of performance
- Available with EC motors for higher efficiency and more controllability
- Helps maintain acceptable indoor air quality

Options – Round duct connector, filters, grille, acoustic insulation, hanging isolators



Typical Installations

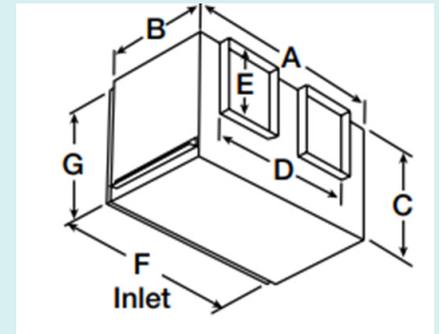
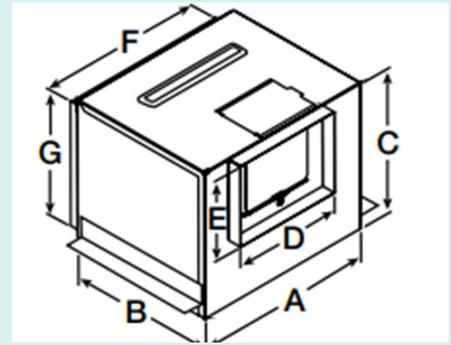
Multifamily housing
Apartments/Condos
Residential/ hotel kitchens
Hotels/Cafeteria/cocktail rooms/ smoke rooms
Hospitals/ wards/ OTs
Courtrooms/Prisons
Schools/ classrooms
Bathrooms/Waiting area /laundries
Supermarkets/Storage room
Meeting rooms
Banks



Silent Buddy

Dimensions

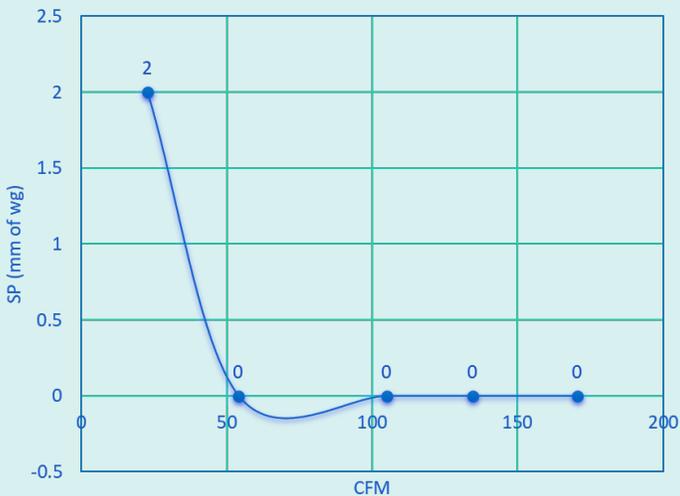
	Model	A	B	C	D	E	F	G	Wt.
SB -S	190	337	270	229	203	152	305	235	7
	390	356	302	286	203	203	327	254	10
SB - S	780	457	365	386	254	203	429	337	15
SB - T	1050								
SB - T	1300	603	365	386	476	203	575	337	27
SB - T	1550								



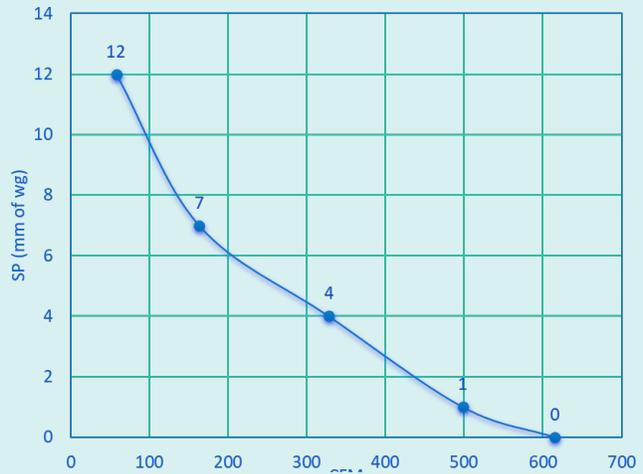
Performance and Range

Model	195	395	795	1595
CFM	110-190	310-440	450-680	810-1550
SP(mm.H ₂ O)	0-2	0-8	0-12	0-20
Weight(kg)	8	10	13	20

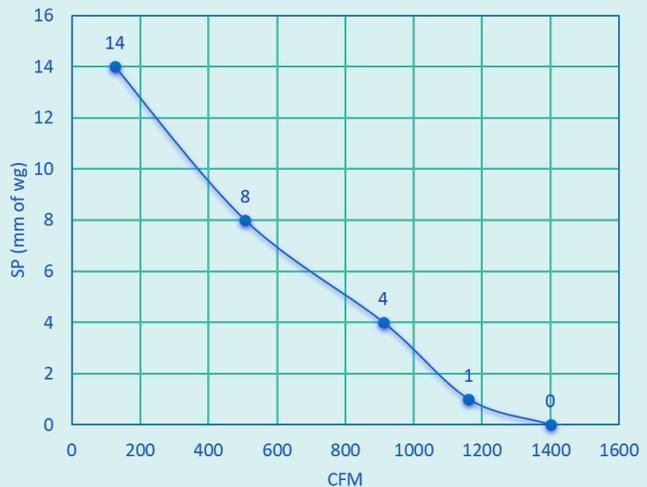
195



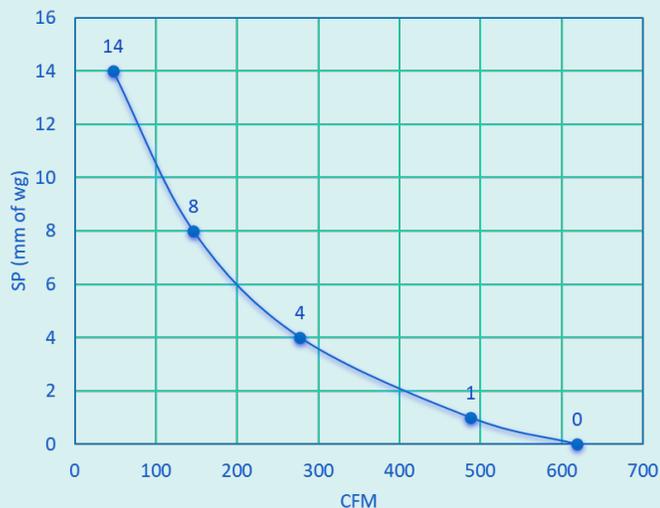
395



1595



795



Fan Curves

HVLS Fans



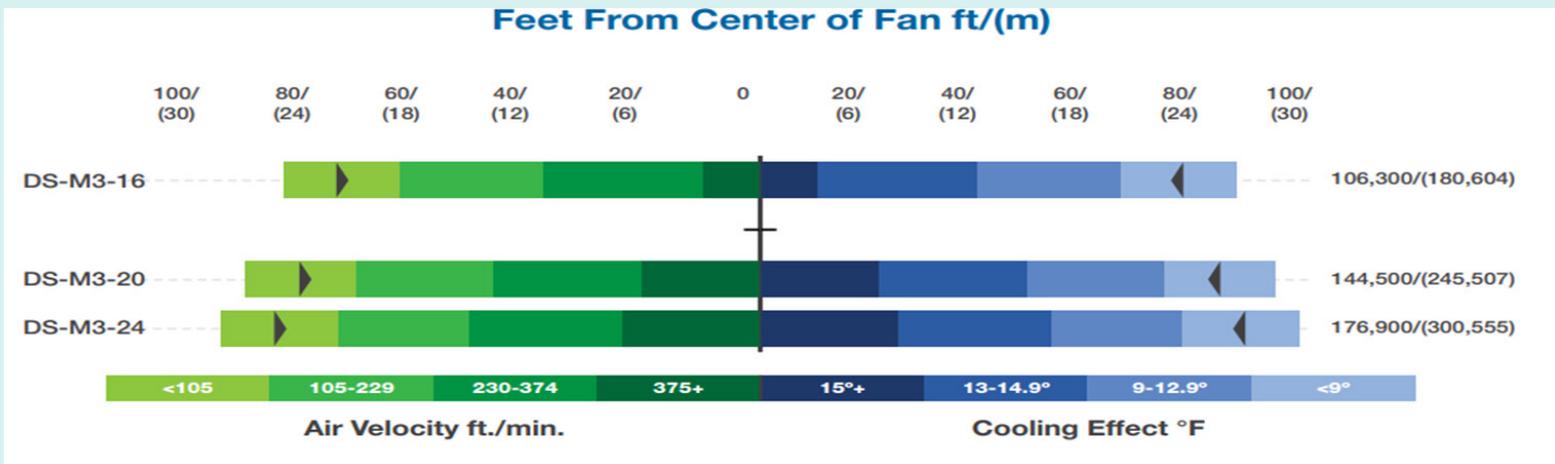
Building Types - Commercial and Industrial

Max CMH/(CFM) Range 180,604 – 300,555 cmh (106,300 – 176,900 cfm)

Max Coverage Area Range m²/(ft²) 1,505 - 2,201 m² (16,200 – 23,700 ft²)

Fan Size m/(ft) 4.8 - 7.4 m / (16 - 24 ft)

Performance



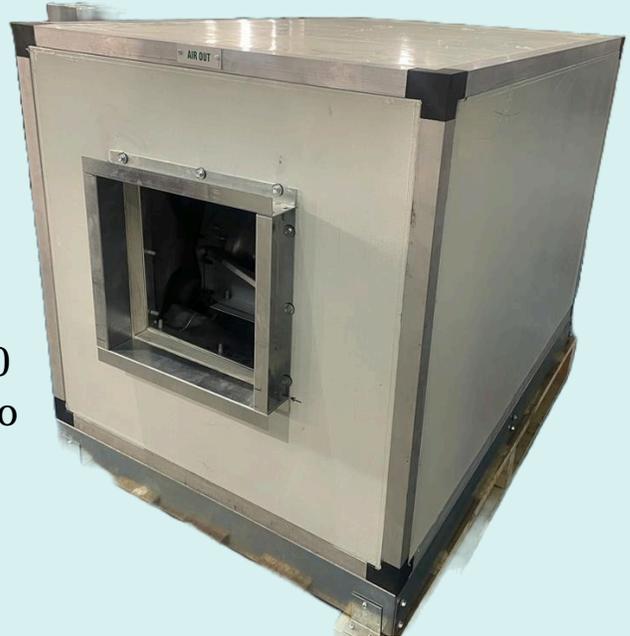
Fan Diameter ft./(m)	Fan RPM	CMH/(CFM)	Total Sound Pressure (dBA)	Max. Coverage Area (sq. ft.)	Max. Coverage Radius ft./(m)	Min. Fan Spacing ft./ (m)	Base Fan Weight lbs./ (kg)
16/(4.8)	101	180,604/ (106,300)	48	14,200	68/(20)	48/(14)	126/(57)
20/(6.1)	76	245,507/ (144,500)	48	17,200	74/(22)	60/(18)	135/(61)
24/(7.4)	56	300,555 (176,900)	48	18,700	78/(23)	72/(21)	144/(65)

Insulated Housing Cabinet Fan

It offers an easy-to-install to insulated housing encompassed with the centrifugal blower and motor.

Insulated housing is constructed with an aluminum profile and double skin pre-coated steel panels with CFC-free PUF insulation ensuring robust operation at low noise levels.

Capacities range for volumes up to 150,000 cmh (88,500 cfm) and static pressures up to 1,600 Pa (6.4 in. wg).



Blower and motor can be accessed through the inspection door with viewing glass panel provided with inlet and outlet flange for duct connections. Available inlet filter section as an option.

Supply and exhaust applications for:

- Offices
- Shopping centers
- Mid and high-rise buildings
- Hospitals and clinics
- Hotels
- Metros



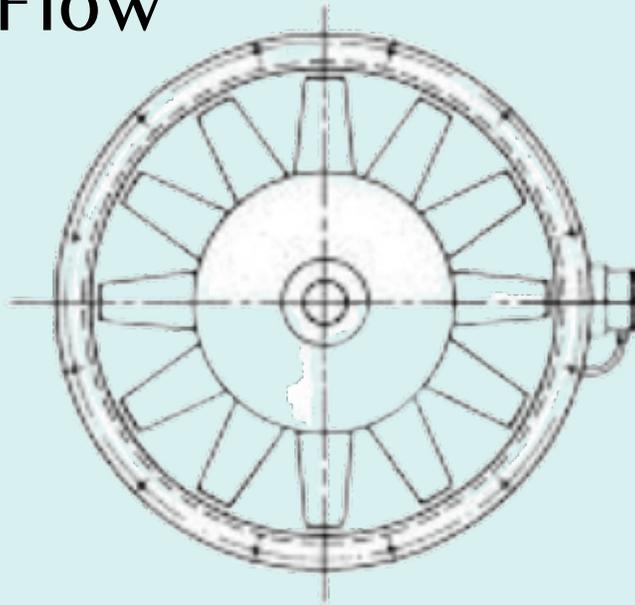
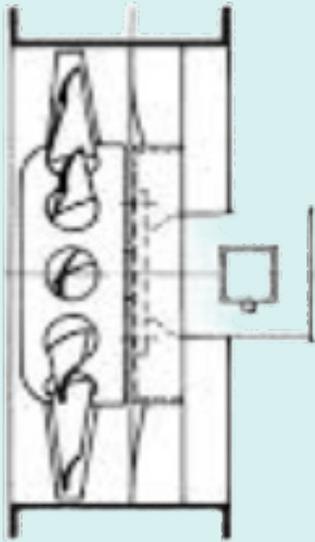
Non-Insulated, Insulated and Aluminum Flexible Ducts

Specifications & Performance

PARAMETER	NON- INSULATED	INSULATED	ALUMINIUM FLEXIBLE
Diameters (inches)	4,6,8,10,12,16,18,20	4,6,8,10,12,16,18,20	2,4,6,8,10,12,16,18,20
Standard Length (Feet)	25	25	5 to 25
Temperature range (° C)	-20 to 120	-20 to 120	-73 to 224
Maximum velocity (FPM)	5000	5000	5000
Operating Pressure in. of wg.			
Static Pressure (- to +)-4" to 12"	0.8" to 6"	0.8" to 6"	up to 12"
14" to 20"	0.8" to 4"	0.8" to 4"	up to 8"
Flame/smoke/permeance			Zero



Coming Soon Tube Axial and Mixed Flow



Works: SUV FANS
RllCO Industrial Area Bhiwadi, Alwar, Rajasthan