



**A BREATH
OF FRESH AIR,
ALWAYS**



www.fristonindia.com

THE FINEST COOLING IN CURRENT TIMES

Cooling for Industrial and Commercial Establishments @ 2/ft² per month[^]

Office

Lecture Hall

Gym

Hostel

Class Room

Kitchen

Restaurant

Shop Floor

Lobby

Bottling Plant

Banquet Hall

Assembly Line

Showroom

Laundry

Prayer Hall

Testing Lab

Canteen

Club

Hotel

Warehouse

Auditorium

Poultry Farm

Hospital +

Panel Room

Store

Factory

Textile

Movie Theatre



ADVANTAGES OF FRISTON LARGE SPACE VENTI-COOLING SOLUTIONS



Improved Productivity

Constant influx of fresh air ensures an air cooled space and prevents allergies caused by poor ventilation, it increase efficiency or productivity.



Improved Staff Morale

Better working conditions at the work place result in better staff morale.



Improved Revenue

As per IIMA Research, worker's productivity can be enhanced up to 12% by increasing the level of thermal comfort.



Save on Electricity

Power consumption is 90% lesser than AC system



Save on Initial Cost

Typically, cost of installation is significantly less compared to central air conditioning.



Payback in 4-5 months

Lower electricity cost means the cost of installation is recovered in 4-5 months.

WORLD'S BEST ENGINEERING POLY CARBONATE **INJECTION** MOLDING BODY

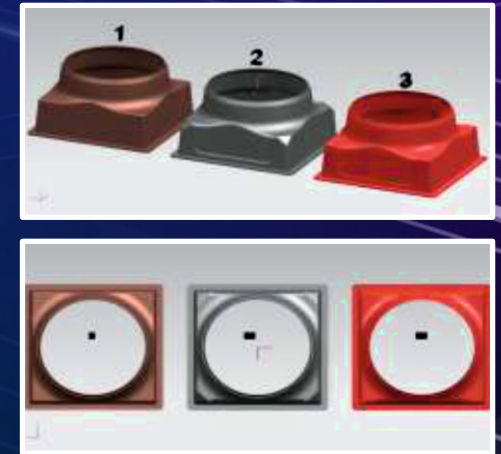
1 UV - Resistant
Cabinet Material

2 Perfect For
Outdoor

3 Temperature Tolerance
From - 42° C To 96° C

SMC
MOULDING
COMPOUND
A High Strength composite material
and fiber reinforcement.

EXHAUST FAN HOUSING



POWER CONTROL BOARD



Gym



Hospital



Industrial



Hotel



School



Poly House



Temple



Industry



Dairy
Farming



Poultry
Farm



Restaurment



Open
Terrace
Restaurant



SPECIFICATION

MODEL NO.	FI-155
AIR FLOW	36000 CMH, ONE SPEED
FAN SPEED	ONE SPEED
MOTOR & PROTECTION	LENZE (GERMANY) IE-2/IP-65
R.P.M.	720 RPM / 1440 RPM
ELECTRICITY LOAD	3 KW (1.5 /3 KW)
VOLTAGE/WATTAGE	415/50
FAN TYPE	Axial Flow
AIR THROW	125 Sq. ft. Open Throw & with Ducting 150 Sq. ft.
PRESSURE	320 PA
COVERED AREA	2500 to 3500 Sq. Feet
NOISE	40DB / 73 DB
WATER TANK	55 L
DIMENSION	1350x1350x1425mm
VENT SIZE	800*800mm
PRE DUST FILTER	Yes
CONTROL TYPE	Wired Control Electronic
WATER DRAIN	Auto/ Manual
NET WEIGHT	152 Kg
OPERATING WEIGHT	275 Kg
PRE COOLING	Yes
PRE WASH	Yes
CABINET MATERIAL	Poly Carbonate 100% Virgin Material
PHASE LOSS PROTECTION	Yes
OVER LOAD PROTECTION	Yes
WATER SENSOR	Yes
FLOUT VALVE	Yes
PAD SIZE	970*881 mm
COOLING PAD HOLE SIZE	5090 Original Finland
COOLING PAD THICKNESS	100mm
WATER CONSUMPTION	35-45 Ltr./Hour
WATER VAPOR SIZE	30 to 50 Microns (Very efficient to control moisture)
WATER PUMP TYPE	Horizontal Long Body 12 inches



FI-111
18000 CMH



Button System

18000 Cubic Meter Per Hour (CMH)

10588 Cubic Foot Per Minute (CFM)

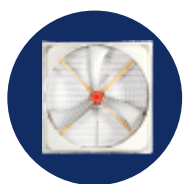
SPECIFICATION

MODEL NO.	FI-111
AIR FLOW	18000 CMH, ONE SPEED
FAN SPEED	SINGLE SPEED
MOTOR & PROTECTION	IE-2/IP-55
R.P.M.	1440
ELECTRICITY LOAD	2.2 Amp/1.1KW
VOLTAGE	415/15
AIR DISCHARGE	DOWN/TOP
FAN TYPE	AXIAL FLOW
AIR THROW	60 Sq. ft. Open throw & Ducting 80 sq. Ft.
PRESSURE	180Pa
COVER AREA	1000-1200 Sq. Feet
FREQUENCY	50 Hz
NOISE	68dB
WATER TANK	45 Ltr.
WATER CONSUMPTION	20-25 Ltr./Hour
DIMENSION	1170X1170X1050mm
VENT SIZE	675X675 mm
PAD SIZE	(675+30)*790*100 mm
COOLING PAD HOLE SIZE	5090 Original Finland
PRE DUST FILTER	YES
CONTROL TYPE	SWITCH CONTROL
WATER INLET	AUTO
WATER DRAIN	AUTO/MANUAL
CABINET MATERIAL	Poly Carbonate 100% Virgin Material
PHASE LOSS PROTECTION	YES
OVER LOAD PROTECTION	YES
NET WEIGHT	78 Kg
OPERATING WEIGHT	150 Kg
WATER PUMP TYPE	Horizontal Long Body 12 inches



FI-151
68000 CMH

68000 Cubic Meter Per Hour (CMH)
40000 Cubic Foot Per Minute (CFM)



Outside Front View

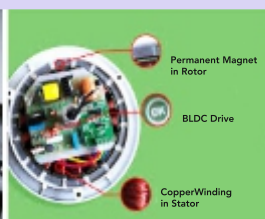


Side View
Outside Plant



Plant Inside
Back View

DC MOTOR SINGLE PHASE OPTIONAL



A brushless DC electric motor, also known as an electronically commutated motor, is a synchronous motor using a direct current electric power supply.

Make FUJI Japan
DC Motors (RPM - 630) | 1.2 KW | 220/50/IP66
68000 cubic meter per hour (CMH)
40000 cubic foot per minute (CFM)

SPECIFICATION

MODEL NO.	FI-151
MAX AIR FLOW (M ³ /H)	68000
MAX AIR FLOW (F ³ /M)	40000
RPM (R/M)	630
ELECTRIC LOAD (KW)	2.2
NOISE (DB)	52
VOLTAGE	415/50
IMPELLER SIZE (M/M)	1260
PRODUCT SIZE M(M/M)	1460x1460x1180
CONSTRUCTION OF EXHAUST FAN	
HOSING OUTER CABINET	SMC Fiber Glass Moulding Compound
EXHAUST FAN CONE	SMC Fiber Glass Moulding Compound
BLADES ALUMINIUM	HPDC ADC12
BLADES DESIGN	Whale Fin Design
MOTOR	100% Copper Winding
MOTOR MAKE	OFS Limited
MOTOR CABINATE	Aluminium with Heatsink
EXHAUST FAN SHUTTER	Aluminium & PVC Material
MOTOR DRAFT COVER	PVC
MOTOR LEGS	Fiber Glass Material
WIRE GUARDS	Iron Metal Powder Coated
PRODUCT WEIGHT	82 Kg

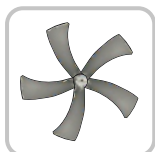
FI-162
62000 CMH

PARTS & ACCESSORIES

62000 cubic meter per hour (CMH)
36470 cubic foot per minute (CFM)



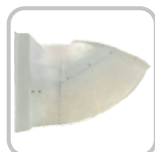
MOTOR
Copper Winding & Aluminium Cabinate
with Heatsink



ALUMINUM
HPDC ADC12



NYLON
Blades



45 DEGREE CONE
Fiber Glass



SHUTTER
Aluminium & PVC Material



IRON METAL WIRE GUARD



MOUNTING LEGS
Fiber Glass



FAN CONE
SMC Fiber Glass
Moulding Compound



FAN HOUSING
SMC Fiber Glass
Moulding Compound



ROOFTOP HOUSING
Fiber Glass

SPECIFICATION

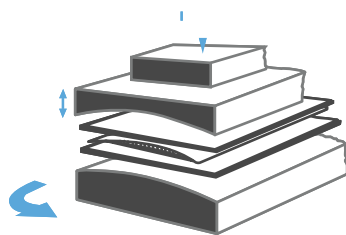
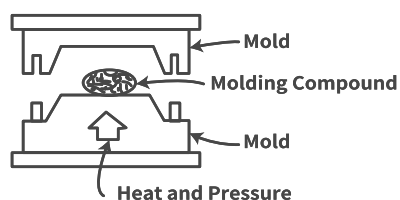
MODEL NO.	FI-162
MAX AIR FLOW (M3/H)	62000
MAX AIR FLOW (F3/M)	36470
RPM (R/M)	580
ELECTRIC LOAD (KW)	1.8
NOISE (DB)	50
VOLTAGE	415/50
IMPELLER SIZE (M/M)	1260
PRODUCT SIZE M(M/M)	1460x1460x1180
CONSTRUCTION OF EXHAUST FAN	
HOSING OUTER CABINET	SMC Fiber Glass Moulding Compound
EXHAUST FAN CONE	SMC Fiber Glass Moulding Compound
BLADES ALUMINIUM	HPDC ADC12
BLADES DESIGN	Whale Fin Design
MOTOR	100% Copper Winding
MOTOR MAKE	OFS Limited
MOTOR CABINATE	Aluminium with Heatsink
EXHAUST FAN SHUTTER	Aluminium & PVC Material
MOTOR DRAFT COVER	PVC
MOTOR LEGS	Fiber Glass Material
WIRE GUARDS	Iron Metal Powder Coated
PRODUCT WEIGHT	77 Kg
ROOF TOP HOUSING WEIGHT	80 Kg



FI-235
45000 CMH

45000 Cubic Meter Per Hour (CMH)
26470 Cubic Foot Per Minute (CFM)

SMC illustration



The advantage of SMC :

- ① Automated production.
- ② The size of product has high precision.
- ③ The smooth frame doesn't need to decorate once more.
- ④ Integrative shape.

SPECIFICATION

MODEL NO.	FI-235
MAX AIR FLOW (M3/H)	45000
MAX AIR FLOW (F3/M)	26470
RPM (R/M)	630
ELECTRIC LOAD (KW)	1.2
NOISE (DB)	52
VOLTAGE	415/50
IMPELLER SIZE (M/M)	920
PRODUCT SIZE M(M/M)	1060x1060x1010
CONSTRUCTION OF EXHAUST FAN	
HOSING OUTER CABINET	SMC Fiber Glass Moulding Compound
EXHAUST FAN CONE	SMC Fiber Glass Moulding Compound
BLADES ALUMINIUM	HPDC ADC12
BLADES DESIGN	Whale Fin Design
MOTOR	100% Copper Winding
MOTOR MAKE	OFS Limited
MOTOR CABINATE	Aluminium with Heatsink
EXHAUST FAN SHUTTER	Aluminium & PVC Material
MOTOR DRAFT COVER	PVC
MOTOR LEGS	Fiber Glass Material
WIRE GUARDS	Iron Metal Powder Coated
PRODUCT WEIGHT	47 Kg



FI-144
58000 CMH



58000 Cubic Meter Per Hour (CMH)
34117 Cubic Foot Per Minute (CFM)

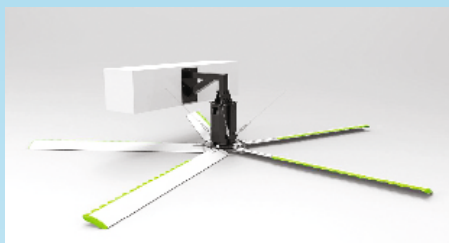
THE ADVANTAGE OF SMC SERIES

- Fan Housing, Blades Mounting Arm are made integrative Shaping.
- Low Contractibility, weatherproof.
- Low noise, 20% decrease of volume than FRP series.
- Same HP, 20% increase of wind power than FRP series.
- Saving 20% of power than FRP series.
- Eco-Tech and Durable 70% of SMC composite are not from the oil.

SPECIFICATION

MODEL NO.	FI-144
MAX AIR FLOW (M3/H)	58000
MAX AIR FLOW (F3/M)	34117
RPM (R/M)	630
ELECTRIC LOAD (KW)	1.6
NOISE (DB)	45
VOLTAGE	415/50
IMPELLER SIZE (M/M)	1120
PRODUCT SIZE M(M/M)	1260x1260x1060
CONSTRUCTION OF EXHAUST FAN	
HOSING OUTER CABINET	SMC Fiber Glass Moulding Compound
EXHAUST FAN CONE	SMC Fiber Glass Moulding Compound
BLADES ALUMINIUM	HPDC ADC12
BLADES DESIGN	Whale Fin Design
MOTOR	100% Copper Winding
MOTOR MAKE	OFS Limited
MOTOR CABINATE	Aluminium with Heatsink
EXHAUST FAN SHUTTER	Aluminium & PVC Material
MOTOR DRAFT COVER	PVC
MOTOR LEGS	Fiber Glass Material
WIRE GUARDS	Iron Metal Powder Coated
PRODUCT WEIGHT	65 Kg

BASED ON WHALE FIN DESIGN



IE5

IE4

IE3

IE2

IE1

IE4

SUPER
Premium
Efficiency

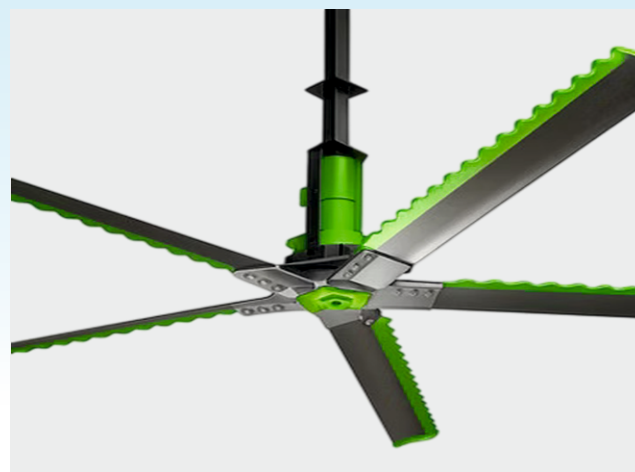
**Motor
Efficiency
Class**

IEC/EN 60034-30

Fan Control Board



- Standard Speed Controller (Inverter)
- External Touch Screen (HMI)
- Inboard Ventilation And Temperature Control
- Add-on Fan Control Options



HVLS Fans

ADVANTAGES

- Low AC cost.
- Improve working climate & employees productivity.
- Nature air cooling & ventilation.
- Keep healthy and large fresh air reducing bacteria, fog, mildew caused damage drying the wet areas.

Profile Sheet
Product Code :
FI-215

Rooftop Housing
Product Code :
FI-225



Rooftop exhaust fan Housing & Profile sheets
Housing Size: 5ft. x 5ft. x 5ft. (L x W x H)
Profile Sheet Size: 7ft. x 8ft. (L x W)



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