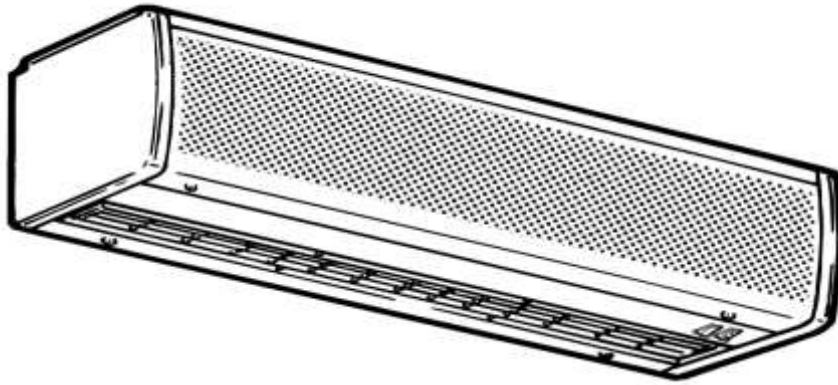




Sudhai AirTech Pvt. Ltd.

Innovating Air Technology



Sudhai Air Curtains



Sudhai MOTO Series

DC Motor Air Curtains

SudhaiAirTechPvt. Ltd.

Unit No.5, Road No.28, Wagle Industrial Estate, Thane 400604

www.aircurtain.co

Table of Contents

DESCRIPTION	
3	MOTO – Open Air Series
4	Technical Details
5	MOTO – Open Air Plasma Series
6	Technical Details
7	Installation Specification – Open Air Model
8	MOTO – Cross Air Series
9	Technical Details
10	Installation Specification- Cross Air Model
11	Sudhai's Range of Air Curtains

MOTO – Open Air Series



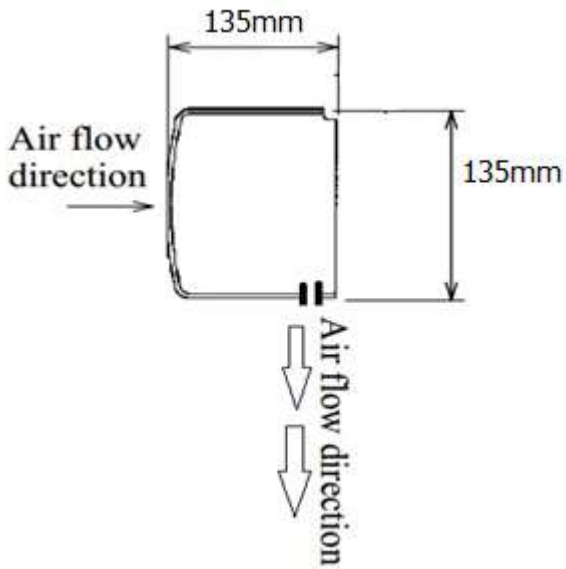
Characteristics:

- This product is developed by enhancing the characteristics of air curtains.
- Direct mounting without back plate for firm grip and to avoid vibration
- It is installed at the entrance of AC Buses & Freezer trucks to block off hot air.
- You can expect that the heat loss is improved by 50%.
- Stainless material highly resistant against moisture.
- Can operate at temperature as low as 30 degrees below zero.
- Can block off heats up to max 70%.
- Minimizes the fuel loss for heating and cooling.
- Blocks off incoming dusts and flies.
- Minimizes temperature changes while opening and closing the door.
- Prevents deterioration of foods.
- Blocks off the path of movement for toxic materials caused by insects



Technical Details

Series	Dimension (L x B x H) mm	Voltage	Air Velocity (m/s)	Power Input (W)	RPM	Air Volume (m ³ /hr)	Weight (Kg)	Noise (dB)
DC Air-Curtain	750 x 135 x 135	12 V	10-12	100-150	1500-2000	1850	6	50-55
	900 x 135 x 135					2150	6.5	52-58
	1100 x 135 x 135					2450	7	58-62



- Slim Design for maximum space utilization
- Durable Aluminium Impellers
- Two way inlet for maximum air intake
- Sturdy aluminium Blowers for long life
- High torque motor delivering 2500 RPM
- SS aluminium alloy body
- High Air volume
- Limit switch compatible



- High quality bearing assembly for efficient and longer life

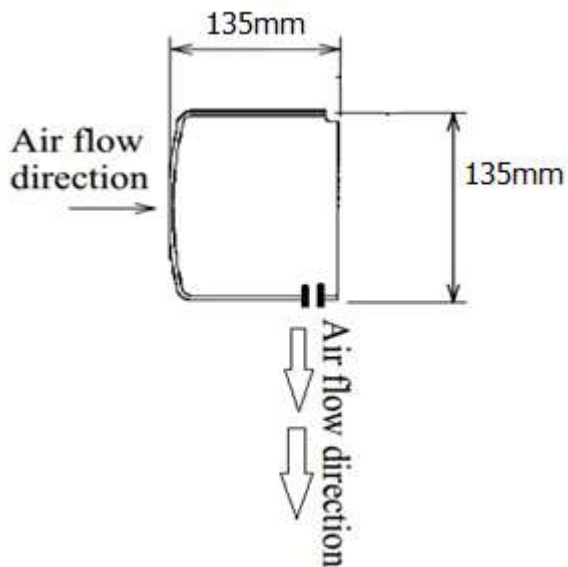
MOTO- Open Air Plasma Series



- Prevents external dusts, insects or floating materials from entering the indoor, when a passenger gets on/off.
- Minimizes the change in indoor temperature caused by incoming air in case of cooling or heating.
- Causes arbitrary air changes in the inside for efficient temperature management.
- Low level air condition operation for speedy indoor circulation and high cooling efficiency.
- Removes and kills fungus and floating germs in the air including flu germs.
- Dissolves and kills bad odours in the bus, disinfects, deodorizes, and refreshes the air.
- Helps passengers and drivers keep refreshed in a car or bus.
- You can expect that the heat loss is improved by 50%.
- Stainless material highly resistant against moisture.

Technical Details

Series	Dimension (L x B x H) mm	Voltage	Air Velocity (m/s)	Power Input (W)	RPM	Air Volume (m ³ /hr)	Weight (Kg)	Noise (dB)
DC Air-Curtain	750 x 135 x 135	12 V	10-12	100-150	1500-2000	1850	6	50-55
	900 x 135 x 135					2150	6.5	52-58
	1100 x 135 x 135					2450	7	58-62

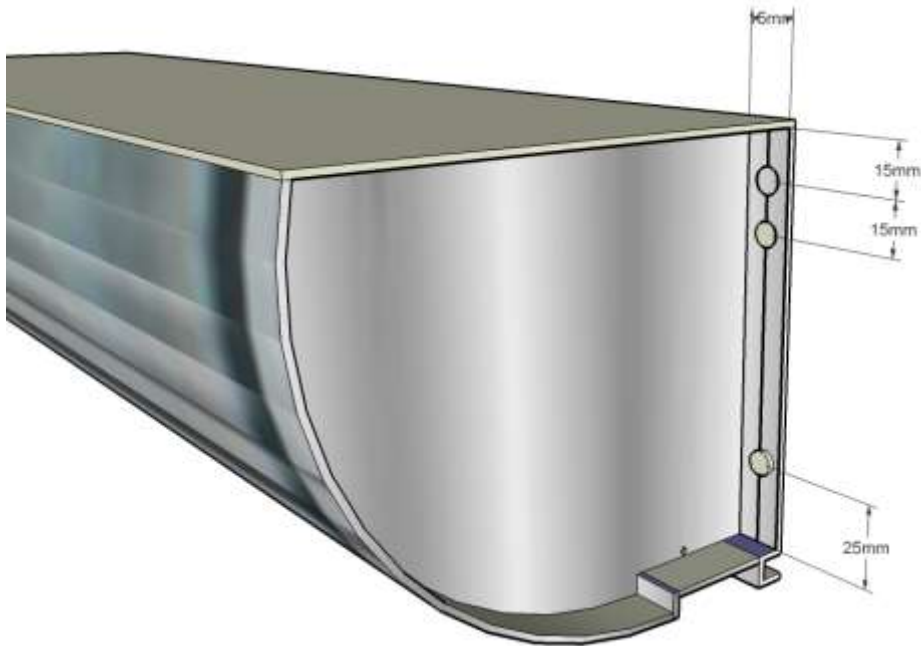


- Slim Design for maximum space utilization
- Durable Aluminium Impellers
- Two way inlet for maximum air intake
- Sturdy aluminium Blowers for long life
- High torque motor delivering 2500 RPM
- SS aluminium alloy body
- High Air volume
- Limit switch compatible



- High quality bearing assembly for efficient and longer life

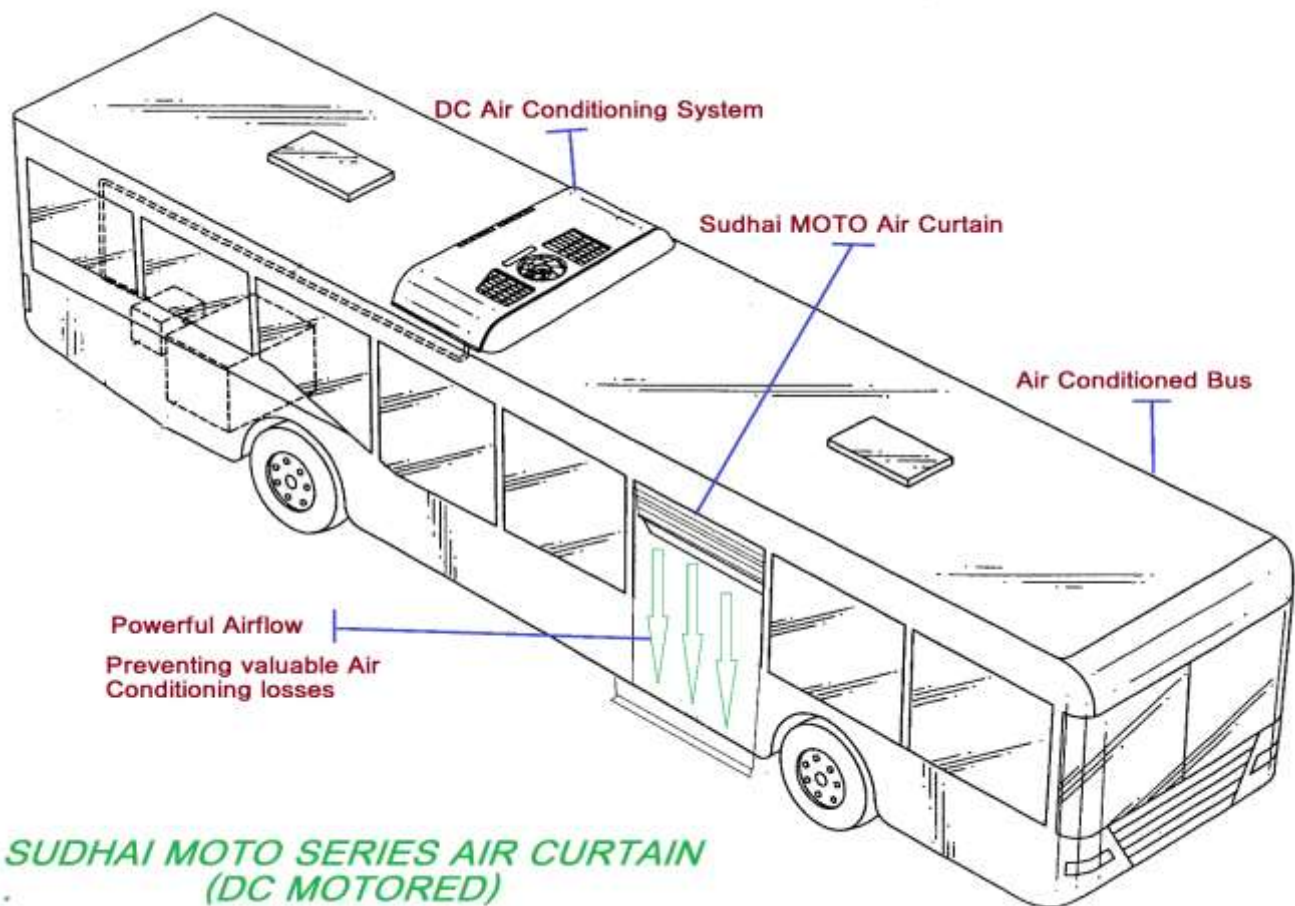
Installation Specification – Open Air Model



- Directly mounted to the surface, no back plate required
- Plate less mounting provides firm grip and avoids vibration
- Occupies less space and easy for installation
- Easy to install and uninstall for servicing purpose



MOTO - Cross Air Series



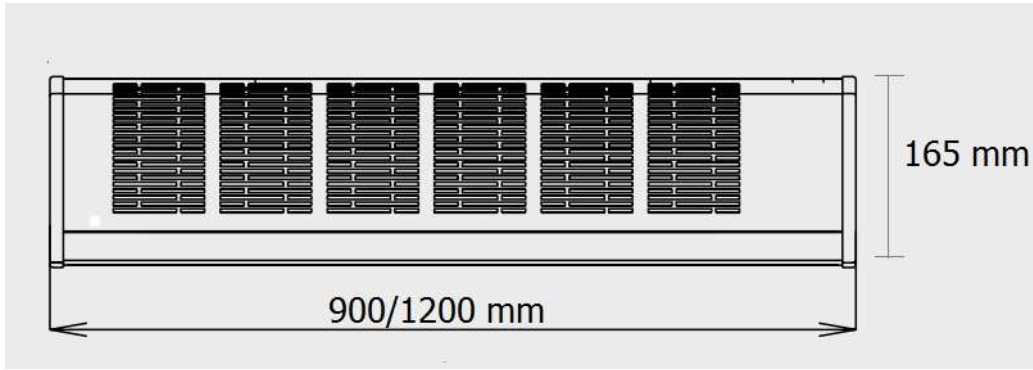
Specially configured for the DC power supply these are the most common model in the market and are sleek yet powerful machines.

12/24 volt DC motor produces an effective cross flow Air barrier. Compatible for AC buses, trains, refrigerated vans, ships etc.

Sudhai MOTO Series DC Motor Air Curtain advantages:

- 12/24 Volt DC motor produces an effective cross flow air barrier.
- Sturdy GI coated metal casing. Installation with back plate
- Suitable for AC Buses, Trains, Refrigerated vans, Ships etc.
- Low temperature control system for high humidity & low temperature areas.
- Sleek & Compact design especially suited for vehicular installation.
- High Performance with low noise & higher air volume.

Technical Details



Series	Body Breadth	Power (W)	Air Velocity (m/s)	Air Vol. (m ³ /h)	Noise (dB)	Weight (kg)
DC-CA Series	900 mm	70	10	1850	57	10.7
	1200 mm			2150	62	11.5

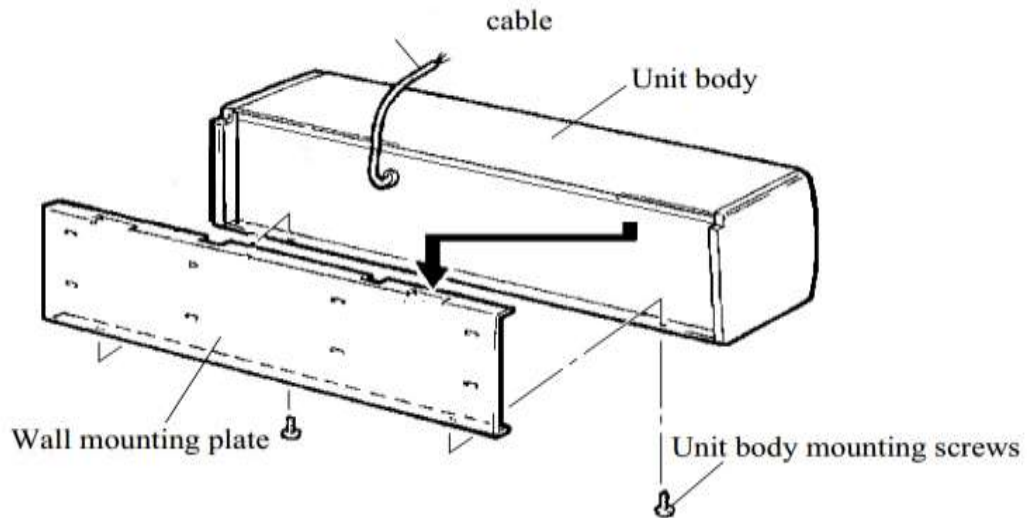
Technical Details - Motor

- High speed Micro DC motor
- Long Life
- High torque and high speed
- Internal capacitors or varister
- Low-cogging torque design
- Drip Proof specially crafted for DC Motor Air Curtains

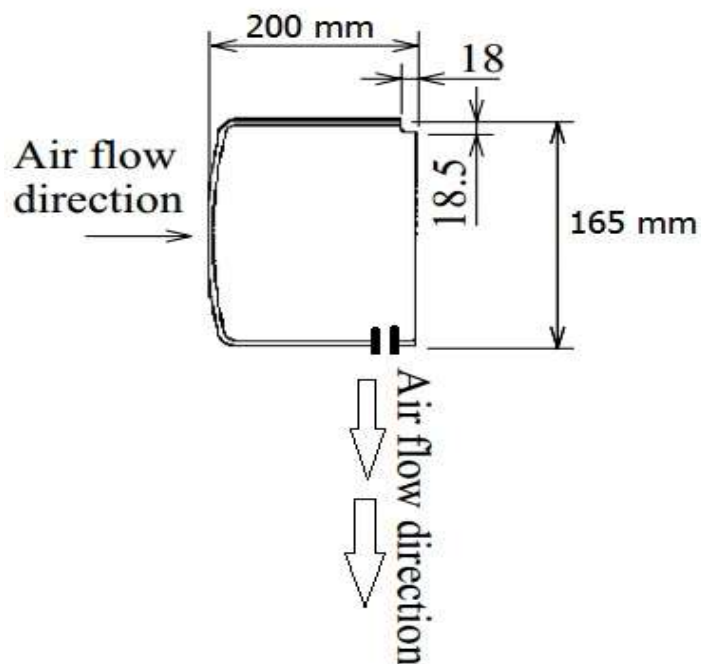


Sudhai Cross Air Model

Installation Specifications – Cross Air Model



- Install on solid place to avoid vibrations when machine is running and also for safety reason unnecessary noise caused by vibration can be prevented.
- Do not operate under:
 - Ambient temperature over 50°C or below -10°C.
 - A relative humidity over 95% at room temperature and steamy area.
 - Contains of oily smoke.
 - Materials or gases may cause explosion.



Sudhai's Range of Air Curtains

Retail



Industrial



Commercial



Drive-Thru Window

