

TRIPTI

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Air Curtains

Benefits of a Hidden Barrier



No Dust



No Smell



No Insects



No Cooling loss



Tripti Air Curtains one of the best in the Industry because they are manufactured with the dual Ball Bearing type, Dynamically Balanced Aluminum Blowers, Specially designed housing shroud to give you the extra air protection. Tripti Air Curtains are engineered to create an invisible wall that keeps interior environments in and adverse weather out. Air Curtains are often used in the doorways of Industrial & Commercial facilities to separate environment and to provide an invisible barrier for the protection against dust, dirt, odors, fumes, insects etc.

— Performance Records on Shut-Outs

70-90%

Unwanted Air Shut Out Rate

Smells and Dust Shut Out Rate

70-80%

Insects Shut Out Rate

— Special Features:

- ▶ Models are available in width from 24" to 108" and for door height up to 30 feet.
- ▶ Low sound level.
- ▶ High air velocity with evenly distributed laminar flow.
- ▶ Automatic thermal overload protection safeguards motor from burnout. Minimizes maintenance cost.
- ▶ Statically & dynamically balanced blowers for durability and quiet operation. Minimizes air conditioning and refrigeration system overloading.
- ▶ Creates invisible door that is able to deflect wind gust up to 45 kmph and more. Internally mounted motor eliminates need for belt guard and enables the motor to be cooled by the blower wheel.
- ▶ Prevents possibility of accidents by providing unobstructed view of passageway
- ▶ Excellent performance in all climatic conditions.



An air curtain effectively separates the smokers from non-smokers in public-areas (Such as hotel lobbies). Non-smokers can enjoy a smoke-free environment as smoke is confined to the smoking area.



The air curtain acts as an invisible barrier to prevent gas, dust, smoke, noxious odors and insects from entering, thus maintaining a pleasant environment.



Air conditioning costs are greatly decreased by the reduction of heat loss in winter and cool-air in summer.

— Technology

Tripti air curtains work by creating a 3 inches air barrier at your entrance that curtains the exchange of interior and exterior environment. The air barrier is created by discharging an air stream through a nozzle at a 20-degree (generally) angle. This discharge air is generated at a speed adequate to create a barricading force that prevents an exchange of internal and external environment.

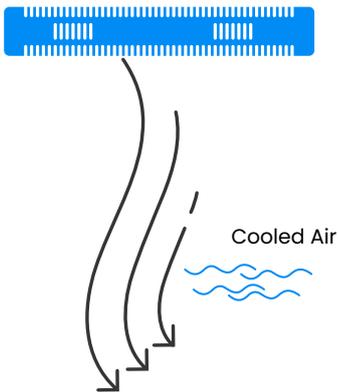
Computer Optimized Outlets

All Tripti air curtain outlets are computer optimized to create least amount of trubulence to form most energy efficient and silent air barrier.



— Air Curtains Uses

- ▶ Showrooms
- ▶ Pharmaceutical Industries
- ▶ Walk through Barriers
- ▶ Cinema & Auditorium
- ▶ Electronic Industries
- ▶ Super Markets
- ▶ Operation Theaters
- ▶ Restaurants
- ▶ Bowling Alleys
- ▶ Lounges
- ▶ Oven Openings
- ▶ Clean Air Application
- ▶ Warehouses
- ▶ Computer Rooms
- ▶ Cold Storage
- ▶ Banks
- ▶ Packing Units
- ▶ Hospitals



Prevent cooled air from escaping from the refrigerated warehouse even when the door is left open.



Access and movement of materials is also simple and trouble free, because the "door" is no more than a curtain of air



Reduces thermal differences and maintains temperatures at balanced levels

Technical specifications of the Sleek units

18-21 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm	2400 mm
Body Dimensions (L x W x H)	900 x 212 x 230	1000 x 212 x 230	1200 x 212 x 230	1500 x 212 x 230	1800 x 212 x 230	2100 x 212 x 230	2400 x 212 x 230
MOC(Chassis)	CRC/MS						
SWG	20	20	20	20	20	20	20
Blower Housing	ABS						
Paint	Powder Coating						
Motor Capacity	0.25 & 0.2 HP	0.25 & 0.2 HP	0.2 HP	0.25 & 0.2 HP	0.25 HP	0.25 & 0.2 HP	0.25 HP
RPM	2800 - 2 Speed						
PHASE	SINGLE						
No. of Motors	1 + 1	1 + 1	2	2 + 1	3	3 + 1	4
Blowers MOC	ABS						
Type	Centrifugal Forward Curve						
Size of Blower Dia x Length in inches	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5
No. of Blowers	3	3	4	5	6	7	8
Height Catered up to	7-9 ft						
CFM	1950	2120	2630	3250	3930	4600	5270

Technical specifications for Industrial Units

17-19 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm
Body Dimensions (L x W x H)	900 x 245 x 330	1000 x 245 x 330	1200 x 245 x 330	1500 x 245 x 330	1800 x 245 x 330	2100 x 245 x 330
MOC(Chassis)	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS
SWG	20	20	20	20	20	20
Blower Housing	22	22	22	22	22	22
Paint	Powder Coating					
Motor Capacity	0.25 HP					
RPM	1440	1440	1440	1440	1440	1440
PHASE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE
No. of Motors	1	1	1	2	2	2
Blowers MOC	Aluminium Annodised					
Type	Centrifugal Forward Curve					
Size of Blower Dia x Length in inches	7 x 8	7 x 8	7 x 9	7 x 8	7 x 8	7 x 8
No. of Blowers	2	2	2	3	4	4
Height Catered up to	7-8 ft					
CFM	1770	1910	2340	2940	3540	4140

20-22 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm
Body Dimensions (L x W x H)	900 x 267 x 356	1000 x 267 x 356	1200 x 267 x 356	1500 x 267 x 356	1800 x 267 x 356	2100 x 267 x 356
MOC(Chassis)	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS
SWG	20	20	20	20	20	20
Blower Housing	22	22	22	22	22	22
Paint	Powder Coating					
Motor Capacity	0.33 HP					
RPM	1440	1440	1440	1440	1440	1440
PHASE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE
No. of Motors	1	1	1	2	2	2
Blowers MOC	Aluminium Anodised					
Type	Centrifugal Forward Curve					
Size of Blower Dia x Length in inches	8 x 8	8 x 8	8 x 8	8 x 8	8 x 8	8 x 8
No. of Blowers	2	2	2	3	4	4
Height Catered up to	8-10 ft					
CFM	2066	2390	2720	3430	4130	4830

23-25 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm
Body Dimensions (L x W x H)	900 x 330 x 430	1000 x 330 x 430	1200 x 330 x 430	1500 x 330 x 430	1800 x 330 x 430	2100 x 330 x 430
MOC(Chassis)	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS
SWG	20	20	20	20	20	20
Blower Housing	22	22	22	22	22	22
Paint	Powder Coating					
Motor Capacity	0.5 HP					
RPM	1440	1440	1440	1440	1440	1440
PHASE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE
No. of Motors	1	1	1	2	2	2
Blowers MOC	Aluminium Anodised					
Type	Centrifugal Forward Curve					
Size of Blower Dia x Length in inches	9 x 8	9 x 8	9 x 8	9 x 8	9 x 8	9 x 8
No. of Blowers	2	2	2	3	4	4
Height Catered up to	10-12 ft					
CFM	2360	2740	3110	3920	4720	5530

26-28 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm
Body Dimensions (L x W x H)	900 x 356 x 483	1000 x 356 x 483	1200 x 356 x 483	1500 x 356 x 483	1800 x 356 x 483	2100 x 356 x 483
MOC(Chassis)	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS
SWG	18	18	18	18	18	18
Blower Housing	20	20	20	20	20	20
Paint	Powder Coating					
Motor Capacity	1 HP					
RPM	1440	1440	1440	1440	1440	1440
PHASE	3	3	3	3	3	3
No. of Motors	1	1	1	2	2	2
Blowers MOC	Aluminium Anodised					
Type	Centrifugal Forward Curve					
Size of Blower Dia x Length in inches	10 x 8					
No. of Blowers	2	2	2	3	4	4
Height Catered up to	12-14 ft					
CFM	2650	3080	3500	4400	5300	6210

28-30 mtrs./sec	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	2100 mm
Body Dimensions (L x W x H)	900 x 405 x 530	1000 x 405 x 530	1200 x 405 x 530	1500 x 405 x 530	1800 x 405 x 530	1800 x 405 x 530
MOC(Chassis)	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS	CRC/MS
SWG	18	18	18	18	18	18
Blower Housing	20	20	20	20	20	20
Paint	Powder Coating					
Motor Capacity	1.5 HP					
RPM	1440	1440	1440	1440	1440	1440
PHASE	3	3	3	3	3	3
No. of Motors	1	1	1	2	2	2
Blowers MOC	Aluminium Anodised					
Type	Centrifugal Forward Curve					
Size of Blower Dia x Length in inches	11 x 8					
No. of Blowers	2	2	2	3	4	4
Height Catered up to	14-18 ft					
CFM	2850	3310	3760	4740	5700	6670

— Optional Items

- ▶ Stainless Steel 304 grade Body
- ▶ Air Curtains with Filters also available
- ▶ Optional door activated micro switch for automatic ON/OFF control
- ▶ Special sizes available on demand

Velocity (Feet)	Suitable for Height	Motor (H.P)	RPM	Blowers Dia x Length (inch)	Voltage	Watts
17-19mtrs./sec	7"-8'	0.25	1440	7 x 8	225/415	200
20-22mtrs./sec	8'-10'	0.33	1440	8 x 8	220/415	350
23-25mtrs./sec	10'-12'	0.5	1440	9 x 8	220/415	375
26-28mtrs./sec	12'-14'	1.0	1440	10 x 8	220/415	750
28-30mtrs./sec	14'-18'	1.5	1440	11 x 8	220/415	1250



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