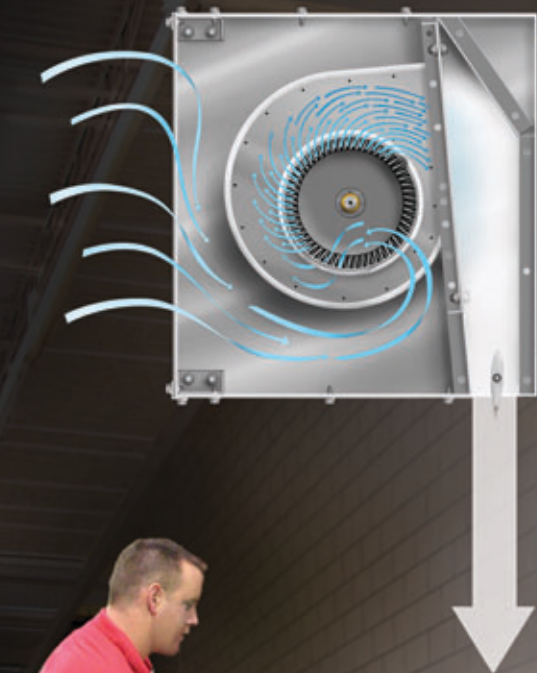


Revolutionary
Air Curtain with
AERODYNAMIC
Compression
Chamber
Generating
"COANDA EFFECT"
Air Movement

SAVE-T®

AIR CURTAINS



A Stainless Steel Air Curtain for Every Budget

TMI LLC
Managing Environments™

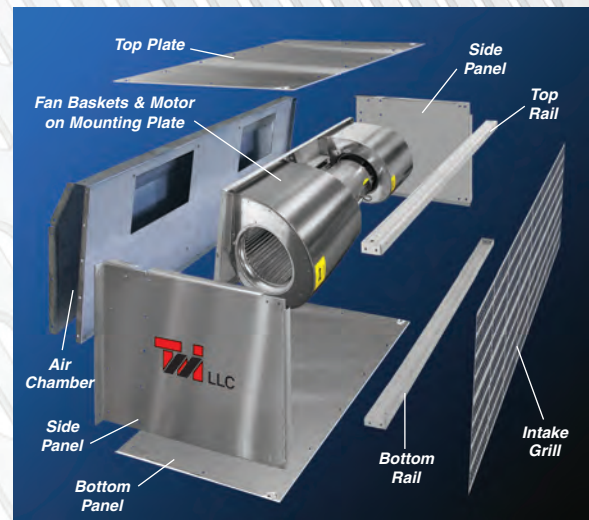
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4	Application Selection Guide
4	Choosing Your Model
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Making a Save-T Air Curtain

TMI, LLC utilizes the highest quality materials to produce its Air Curtains. The system is constructed of 100% steel components. The intake grill, side panels and top & bottom panels are produced of stainless steel. The fans and fan baskets are SG-grade galvanized steel. The unit is assembled with stainless steel hex screws so the intake grill can be easily and quickly removed for fast, easy maintenance and cleaning.



How a Save-T Air Curtain Works



The Save-T Air Curtain is mounted above a doorway opening, just above the header. Ambient air is drawn through the front intake grill (A) and into the fan baskets (B). The blower wheel (C), forces the air into an air chamber (D) and the air is forced downward through the discharge nozzle (E). An invisible "wall of air" is created that serves as the barrier preventing conditioned air from leaving the building and blocking outside air from entering, even when there is no primary door in place.

Key features:

- Air Chamber design utilizes the Coanda effect to create a more uniform air flow to maximize efficiency and reduce noise levels
- Aesthetically pleasing design

Heaters (see Optional Equipment & Accessories, pgs. 26 & 27) can be added to the units so that a comfortable environment can be maintained for customers while creating a better, more productive work area for personnel during the winter months. Heated units further increase energy savings by lowering heating and cooling costs.

When to use a Save-T Air Curtain

Air Curtains reduce energy costs while increasing employee and customer comfort. The high velocity air screen created by the Air Curtain stops outside wind, while circulating the warm air that naturally rises toward the ceiling. During the winter months, Air Curtains stop exterior cold drafts from entering through open doorways and prevent heated air from escaping. During the summer months, Air Curtains keep warm, humid air outside and prevent the loss of conditioned air.



During the cold months, the Air Curtains save on energy costs by drawing warm air from the ceiling area.



Air Curtains are capable of stopping flying insects from entering through open doorways. Dust and odors can be blocked as well.



When summer heat and humidity become a problem, Air Curtains create an invisible shield that holds the hot, humid air outside.

Matching Your Application with a Save-T Air Curtain

If your application is then you should use these Save-T Air Curtain models

	In-Ceiling Mount S-ICM	Air-Pro S-AP	Low Profile S-LP	Commercial Front Door S-CFD	Insect Back Door S-IBD	Light Industrial S-LI	Medium Duty Industrial S-MI	Heavy Duty Industrial S-HD	Extra Heavy Industrial S-XHD
Climate and Environment Control	X	X	X	X		X	X	X	X
Insect and Wind Control					X	X	X	X	X
Drive-Thru Windows and Concession Stands		X	X						
Office and Employee Entrances	X	X	X	X					
Interoffice and Commercial Separation		X	X	X					
Hospital Entrances and Hallways	X	X	X	X					
Retail and Customer Entrances	X	X	X	X					
Restaurant and Food Service Entrances	X	X	X	X					
Restaurant and Food Service Back Doors					X				
Hotel, Resort, and Casino Entrances	X	X	X	X					
Hotel, Resort, and Casino Back Doors					X				
Loading Docks						X	X	X	X
Internal Warehouse Openings						X	X	X	X
Shipping and Receiving Doors						X	X	X	X
Auto Body and Open Bays					X	X	X	X	X
Paint Booths			X		X	X	X	X	X
Walk-In Coolers and Freezers			X			X			
Railcar Openings								X	X

If you do not see your application please call 1-800-888-9750

Choosing Your Model

To select the correct Save-T Air Curtain for your application, the following factors should be determined:

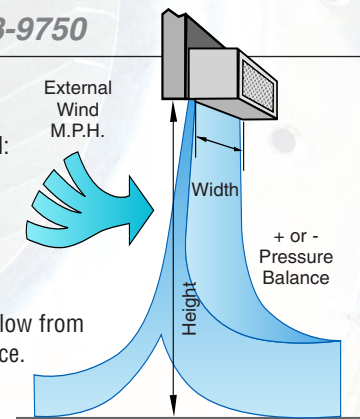
1. Type of application (See above chart)
2. Height and width of doorway opening
3. Amount of direct external wind exposure in m.p.h.
4. Pressure balance inside building
5. Heating option requirement

The entire width of the doorway must be covered by the Air Curtain.

The height of the opening and wind exposure velocity can be handled by controlling the amount of air flow from the unit. Any deficiencies in pressure balance must be remedied by adjusting the source of the imbalance.

Note: Approximately 80% of the air flow stays inside the facility, while 20% flows outside.

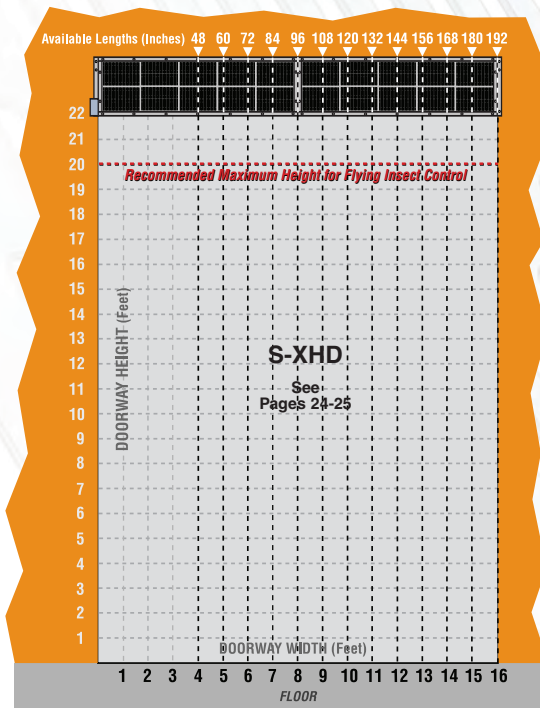
Questions about your application? Call TMI, LLC at 1-800-888-9750.



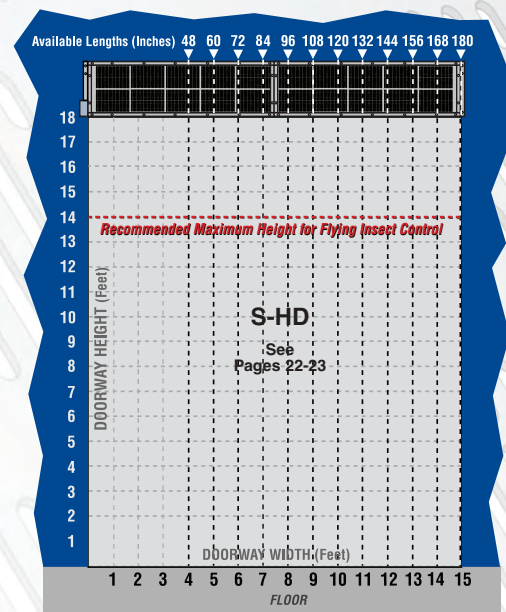
Matching Your Doorway Opening with a Save-T Air Curtain

TMI, LLC offers the largest selection of *Save-T* Air Curtains in the industry. Air Curtains can satisfy nearly every application requirement. The chart below shows maximum doorway heights and widths for each of our units.

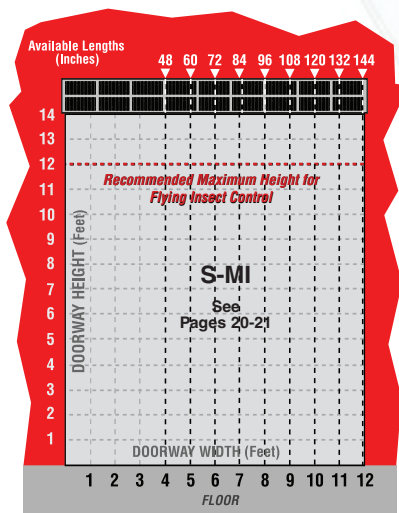
EXTRA HEAVY DUTY SERIES



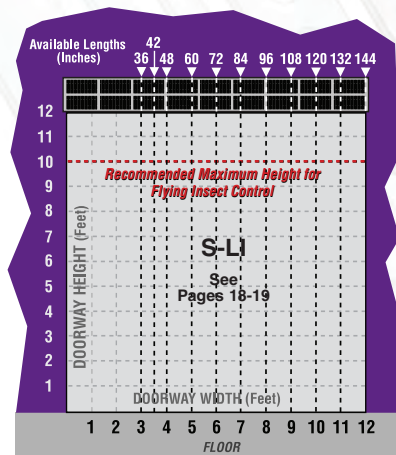
HEAVY DUTY SERIES



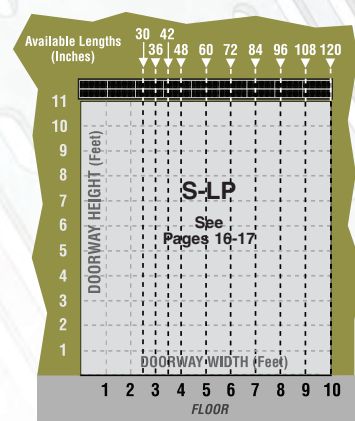
MEDIUM INDUSTRIAL SERIES



LIGHT INDUSTRIAL SERIES

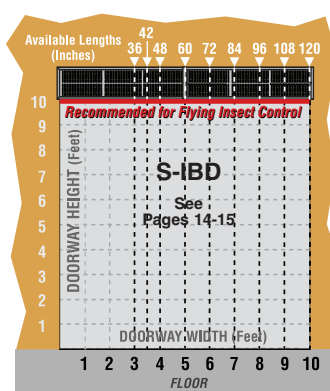


LOW PROFILE COMMERCIAL SERIES

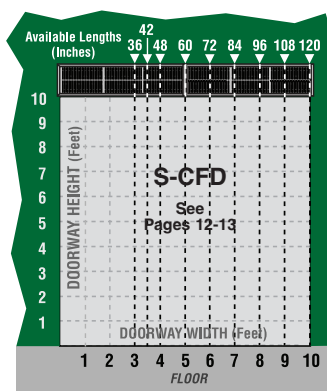


COMMERCIAL

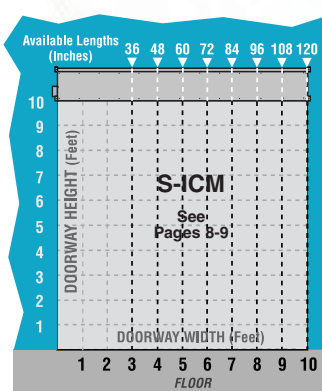
INSECT BACK DOOR SERIES



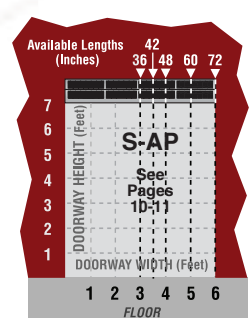
FRONT DOOR SERIES



IN-CEILING MOUNT SERIES



AIR-PRO SERIES



Let Us Do the Math!

AIR CURTAIN JUSTIFICATION ANALYSIS

Please allow TMI's engineering department to provide state-of-the-art, computer-generated energy saving calculations. Cost savings will be stated in years of payback and can be calculated for both heated buildings or air conditioned applications. The following information is required:

Heating		Example
Door height	Feet	10
Door width	Feet	10
Avg. outside temp.	°F	32
Avg. inside temp.	°F	65
Avg. wind speed @ door	MPH	10
Open time/day	HRS/Day	5
Days of operation/week	Days	5
Length of season	Weeks	26
Cost of heat	\$/MMBTU	4.25
Cost of electricity	\$/KW HR	.07

Air Conditioning

In addition to the above data, the following factors must also be provided:

1. Outside relative humidity in %
2. Inside relative humidity in %

Example output:

With no air curtain:

Heat lost:	1,585,898 BTU/HR
Cost of heat lost:	\$ 4,381.04/Season

The air curtain will save a minimum of 70% of the heat from being lost:

Heat saved:	1,110,128 BTU/HR
Cost of heat saved:	\$ 3,066.73/Season
Cost of air curtain operation:	\$ 101.83/Season
The installed cost of the air curtain is:	\$ 3,570.00
The resulting payback period will be:	1.2 years



Activation Devices

In order to regulate the operation of the Air Curtain, we offer a number of activation devices. These allow the unit to be inactive until the door needs to be opened, at which time the unit can be automatically turned on. Or, if the curtain has a heating element, a thermostat can control the amount of heat needed, depending on the season.



WALL
SWITCH



PLUNGER/ROLLER
SWITCH



VARIABLE
SPEED
ON/OFF
SWITCH



FAN/HEAT
SWITCH



REMOTE MOUNT
THERMOSTAT



MAGNETIC REED
SWITCH



DISCONNECT
SWITCH



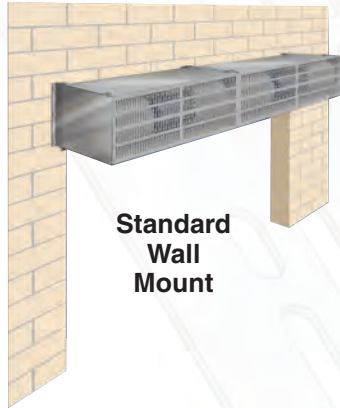
HIGH/LOW/OFF
SWITCH



MOTION SENSOR

Mounting Options

How the Air Curtain is mounted depends on your doorway opening and what equipment or obstructions are in the way. If none of the methods shown below suit your application, please call us at 1-800-888-9750. Our engineers will provide solutions to your mounting problems.

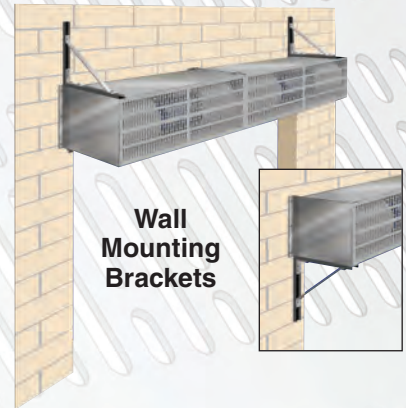


**Standard
Wall
Mount**

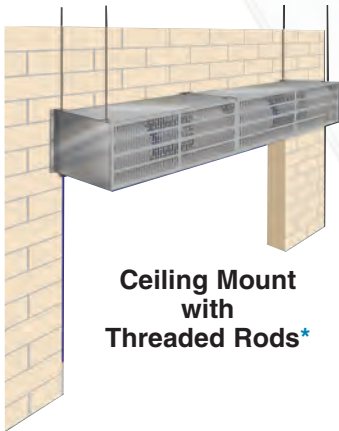


**Mounting Plate
(Optional)**

Note: A Mounting Plate is standard equipment with the Air-Pro Unit and is the only method of mounting.



**Wall
Mounting
Brackets**



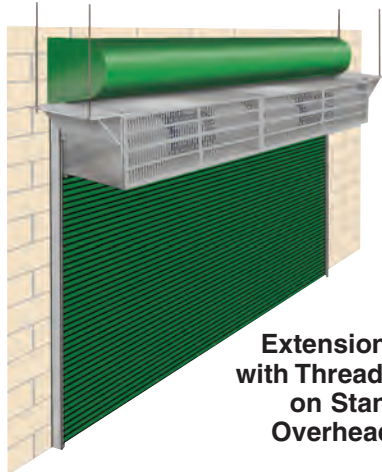
**Ceiling Mount
with
Threaded Rods***



**Extension Bars
(Optional)
with Threaded Rods*
on Standard
Roll-Up Door**



**Vertical
Mounting
for
Low Ceilings
or No Space
Above
Header**



**Extension Plates
with Threaded Rods*
on Standard
Overhead Door**



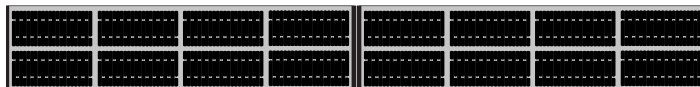
**Wall Mounting
Brackets with
Threaded Rods*
on Standard
Roll-Up Door**

**Optional
Side Baffles:**
Clear flexible
PVC material
mounted on
studded
strip door
hardware



* Threaded Rods provided by others.

TANDEM MOUNTING



If your doorway opening is wider than the desired model allows, two units can be mounted side-by-side to create a protective wall of air.

IMPORTANT: We recommend that any mounting should be performed by a professional or certified contractor to assure the unit is tightly secured and complies with all safety codes

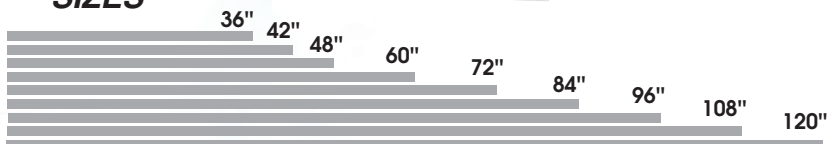
SAVE-T® IN-CEILING MOUNT SERIES – S-ICM



For environmental control and personnel comfort
for ceilings up to 10' high.



SIZES



FEATURES

- 1/2 horsepower, 2-speed motors
- One-piece construction
- Unit is concealed in the ceiling, flush with ceiling panels
- Hinged service panel for cleaning and service
- Aesthetically pleasing white or stainless steel finish blends with traditional drop ceilings (optional custom colors available)
- Includes filters for improved air quality
- Exceptionally low noise levels (51 dBA low speed)
- No additional duct work or nozzle extension required
- Electric, hot water, or steam heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

APPLICATIONS

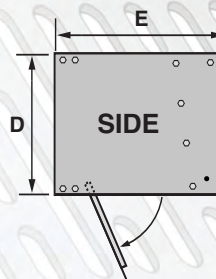
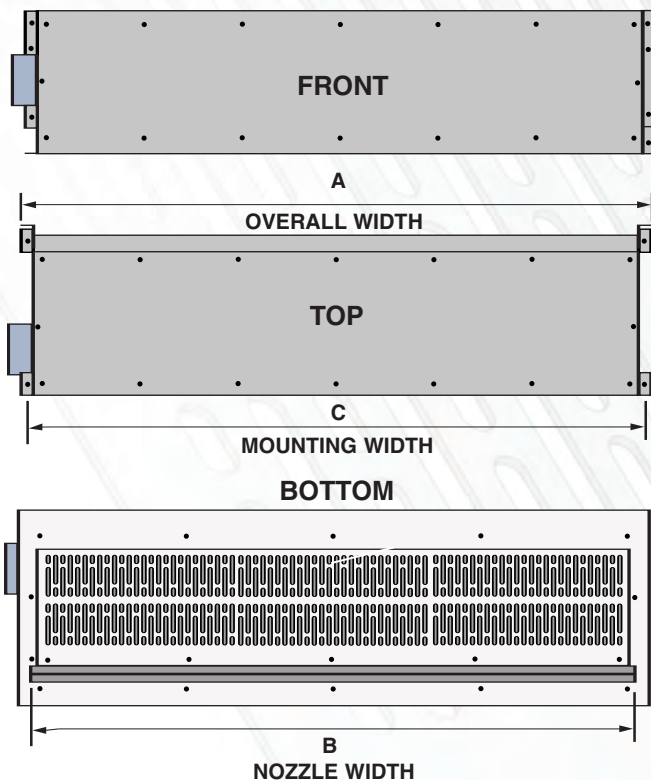
- Office Entrances
- Vestibules
- Retail and Commercial Entrances
- Hospital Entrances
- Restaurant and Food Service Entrances
- Hotels, Casinos, Resort Entrances
- Schools
- Service and Customer Entrances



IN-CEILING MOUNT SERIES – S-ICM

MODEL	S-ICM-36-1-2S		S-ICM-48-1-2S		S-ICM-60-1-2S	
Nozzle Width (in.)	36		48		60	
Number of Motors	1		1		1	
Horse Power per Motor	1/2		1/2		1/2	
Motor Speed(s)	High	Low	High	Low	High	Low
Max. FPM at Nozzle	1960	1800	1960	1800	1960	1800
Max. CFM at Nozzle	1350	1240	1795	1650	1845	1700
Avg. FPM at Nozzle.	1615	1450	1215	1085	970	870
CFM at Nozzle	1035	990	1125	1015	1115	1005
Outlet Vel. Uniformity (%)	95%		92%		91%	
Shipping Wt. Unheated (lbs.)	180		200		230	
Heater kW	10		10		10	
Temp. Rise	29/33		29/33		29/33	
Amp Draw* 208/1/60	48.1		48.1		48.1	
Amp Draw* 240/1/60	41.6		41.6		41.6	
Amp Draw* 208/3/60	27.7		27.7		27.7	
Amp Draw* 240/3/60	24		24		48	
Amp Draw* 480/3/60	12		12		24	
Shipping Wt. Heated	190		210		240	

* More than one power supply may be required.



S-ICM DIMENSIONS CHART					
Model	A	B	C	D	E
36"	39"	36"	37.5"	16.75"	20.25"
48"	51"	48"	49.5"	16.75"	20.25"
60"	63"	60"	61.5"	16.75"	20.25"
72"	75"	72"	73.5"	16.75"	20.25"
96"	99"	96"	97.5"	16.75"	20.25"
108"	111"	108"	109.5"	16.75"	20.25"
120"	123"	120"	121.5"	16.75"	20.25"

BENEFITS

- Immediate energy savings – payback in as little as two years
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Stops outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening
- Optional heated units provide supplemental heat, increasing employee comfort

Standard Motor Voltages	Amps per Motor
110, 1ø, 60 hz	2.5
208, 1ø, 60 hz	1.4
230, 1ø, 60 hz	1.4
460, 1ø, 60 hz	0.7
575, 1ø, 60 hz	0.6



S-ICM-72-2-2S									
S-ICM-84-2-2S		S-ICM-96-2-2S		S-ICM-108-3-2S		S-ICM-120-3-2S			
72	84	96	108	120					
2	2	2	3	3					
1/2	1/2	1/2	1/2	1/2					
High	Low	High	Low	High	Low	High	Low	High	Low
1960	1800	1960	1800	1960	1800	1960	1800	1960	1800
2695	2475	3145	2885	3595	3300	4045	3715	4495	4125
1615	1450	1385	1245	1215	1085	1615	1450	1465	1315
2225	1995	2155	1950	2235	2000	3335	2990	3325	2925
95%	93%	92%	92%	95%					
350	370	380	525	540					
20	20	20	30	30					
29/33	29/33	29/33	29/33	29/33					
N/A	N/A	N/A	N/A	N/A					
N/A	N/A	N/A	N/A	N/A					
55.4	55.4	55.4	83.1	83.1					
48	48	48	72	72					
24	24	24	36	36					
360	380	395	535	560					

ACTIVATION DEVICES

OPTIONAL

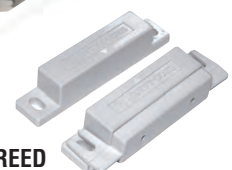
WALL SWITCH



FAN/HEAT SWITCH



MAGNETIC REED SWITCH

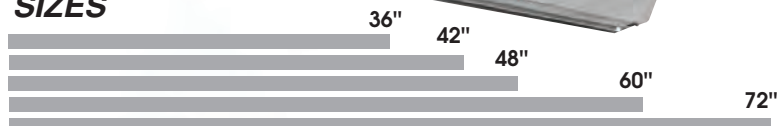




For interior mounting only with door heights up to 7'



SIZES



FEATURES

- 1/3 horsepower motors
- Housing, grill and nozzle are 304 series stainless steel
- Aluminum blower wheels
- Built-in high/low switch for 2-speed motors
- Heavy-duty directional vane
- Voltage: 120V, single-phase, plug-in unit
- NSF certified up to 7' interior mounting height
- One-year warranty on parts
- Low noise levels (67 dBA)
- Separate mounting plate for easy installation

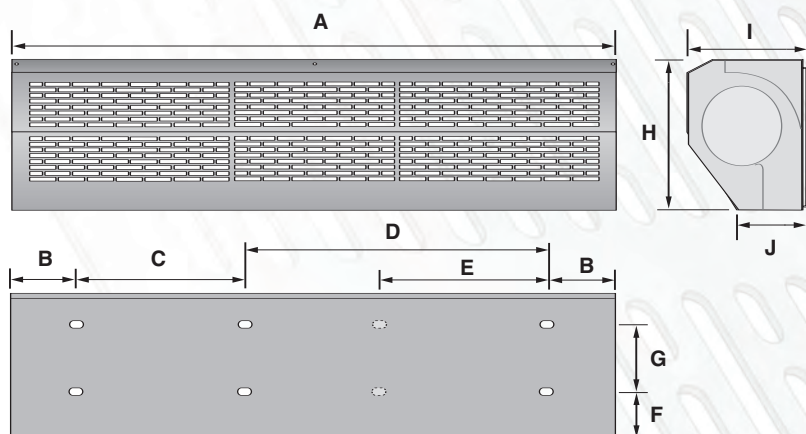
BENEFITS

- Substantially reduces energy costs
- Blocks outside drafts, flying insects and airborne pollutants
- Re-circulates warm air inside the building
- Smaller units perfect for take-out service windows

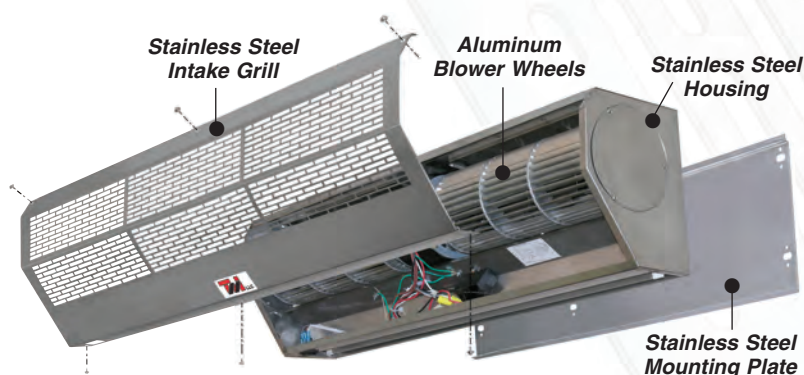
APPLICATIONS

- Bakeries
- Breweries
- Cafeterias
- Restaurants
- Supermarkets
- Warehouses
- Hotels/Motels
- Cold Storage Facilities
- Convenience Stores
- Commercial Kitchens
- Distribution Centers
- Fast Food Restaurants
- Food Processing Plants
- Employee Entrances

AIR-PRO SERIES – S-AP										
MODEL	AP-2-36-1-SS		AP-2-42-1-SS		AP-2-48-1-SS		AP-2-60-1-SS		AP-4-72-2-SS	
Nozzle Width (in.)	34.50		38.50		46.25		58.00		69.50	
Diameter of Wheel (in.)	5.5		5.5		5.5		5.5		5.5	
Voltage	110-120		110-120		110-120		110-120		110-120	
Frequency (Hz)	60		60		60		60		60	
Net Weight. (lbs.)	43		47		62		75		86	
No. of Motor(s)	1		1		1		1		2	
Motor Speeds	High	Low	High	Low	High	Low	High	Low	High	Low
Capacity (kw)	.500	.495	.650	.645	.650	.645	.800	.795	1.00	0.99
Maximum Air Speed (fpm)	3150	2560	3150	2560	3150	2560	3150	2560	3150	2560
Air Volume (cfm)	1220	990	1360	1100	1860	1520	2330	1890	2440	1980
Sound Level (dBA)	69	67	71	69	73	71	75	73	75	73



S-AP DIMENSIONS CHART									
Model	A	B	C	D	E	F	G	H	J
AP-2-36-1-SS	35.5"	1.0"	11.5"	22"	—	2"	5.75"	10"	8.5"
AP-2-42-1-SS	39.5"	1.0"	11.5"	22"	—	2"	5.75"	10"	8.5"
AP-2-48-1-SS	47.25"	1.0"	17.0"	28"	17.5"	2"	5.75"	10"	8.5"
AP-2-60-1-SS	59"	1.0"	22.5"	33.5"	22.5"	2"	5.75"	10"	8.5"
AP-2-72-2-SS	69.5"	1.5"	22.0"	46.0"	22.0"	2"	5.75"	10"	8.5"

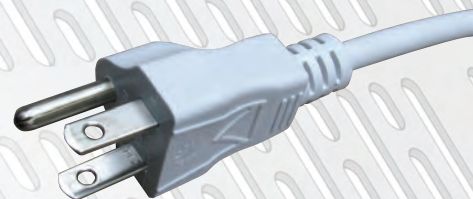


Easy Adjustments

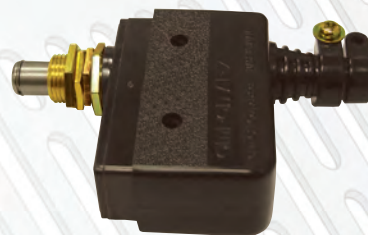
The Air-Pro Series Air Curtains are easy to operate. Each unit has a 2-speed motor with a built-in high/low rocker switch. There is also an adjustable directional vane that allows you to regulate the direction of the air flow.



STANDARD EQUIPMENT



All Air-Pro Air Curtains run on 120 volts and have single-phase motors, which means they plug into a regular grounded wall outlet for quick and easy installation.



An Automatic Door Plunger Switch is supplied with every unit. This switch allows the air curtain to be instantly turned on when the door is opened.

QUICK SHIP
STOCKING PROGRAM

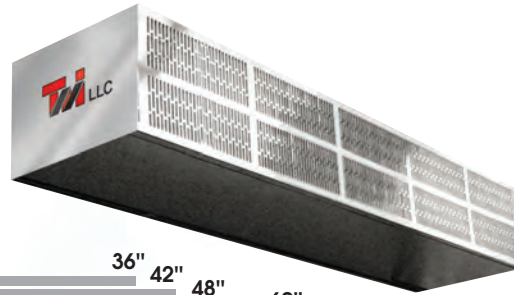
All models of our Air-Pro Air Curtains are listed in our Quick Ship Stocking Program, which means the item will ship the same day the order is placed.



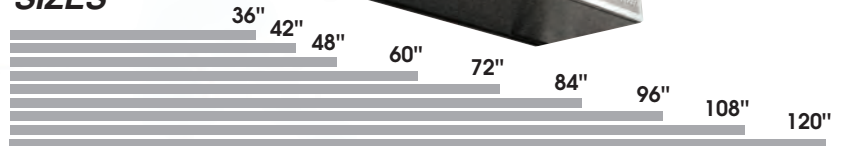
CERTIFIED

SAVET® COMMERCIAL FRONT DOOR SERIES – S-CFD

For environmental control up to 10' high



SIZES



FEATURES

- 1/2 horsepower, 2-speed motors
- Aluminized steel, one-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Exceptionally low noise levels (53/51 dBA)
- Electric, hot water, or steam heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

APPLICATIONS

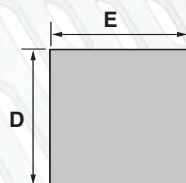
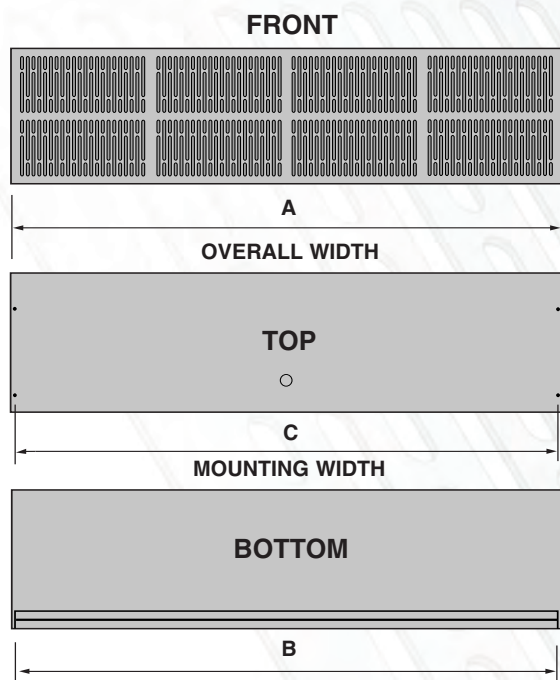
- Climate and Environmental Control
- Office and Employee Entrances
- Interoffice and Commercial Separation
- Hospital Entrances and Hallways
- Retail and Commercial Entrances
- Restaurant and Food Service Entrances
- Hotel, Resort, and Casino Entrances



COMMERCIAL FRONT DOOR SERIES – S-CFD

MODEL	S-CFD-36-1-2S		S-CFD-42-1-2S		S-CFD-48-1-2S	
Nozzle Width (in.)	36		42		48	
Number of Motors	1		1		1	
Horse Power per Motor	1/2		1/2		1/2	
Motor Speed(s)	High	Low	High	Low	High	Low
Max. FPM at Nozzle	1960	1800	1960	1800	1960	1800
Max. CFM at Nozzle	1350	1240	1575	1445	1795	1651
Avg. FPM at Nozzle	1615	1450	1385	1245	1215	1085
CFM at Nozzle	1035	990	1110	995	1125	1010
Outlet Vel. Uniformity (%)	95%		93%		92%	
Shipping Wt. Unheated (lbs.)	90		100		110	
Heater kW	10		10		10	
Temp. Rise	29/33		29/33		29/33	
Amp Draw* 208/1/60	48.1		48.1		48.1	
Amp Draw* 240/1/60	41.6		41.6		41.6	
Amp Draw* 208/3/60	27.7		27.7		27.7	
Amp Draw* 240/3/60	24		24		24	
Amp Draw* 480/3/60	12		12		12	
Shipping Wt. Heated	95		105		115	

* More than one power supply may be required.



S-CFD DIMENSIONS CHART					
Model	A	B	C	D	E
36"	37"	36"	36.0625"	15"	15.375"
42"	43"	42"	42.0625"	15"	15.375"
48"	49"	48"	48.0625"	15"	15.375"
60"	61"	60"	60.0625"	15"	15.375"
72"	73"	72"	72.0625"	15"	15.375"
84"	85"	84"	84.0625"	15"	15.375"
96"	97"	96"	96.0625"	15"	15.375"
108"	109"	108"	108.0625"	15"	15.375"
120"	119"	118"	120.0625"	15"	15.375"

NOZZLE WIDTH	
Standard Motor Voltages	Amps per Motor
110, 1ø, 60 hz	2.5
208, 1ø, 60 hz	1.4
230, 1ø, 60 hz	1.4
460, 1ø, 60 hz	0.7
575, 1ø, 60 hz	0.6



QUICK SHIP
STOCKING PROGRAM

BENEFITS

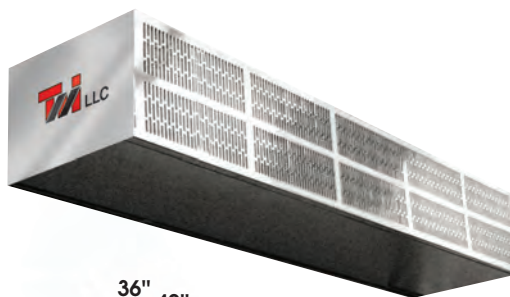
- Immediate energy savings – payback period as little as two years
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening

S-CFD-60-2-2S											
60		72		84		96		108		118	
2		2		2		2		3		3	
1/2		1/2		1/2		1/2		1/2		1/2	
High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1960	1800	1960	1800	1960	1800	1960	1800	1960	1800	1960	1800
2400	2320	2700	2475	3145	2885	3595	3300	4045	3710	4495	4125
1455	1305	1615	1450	1385	1245	1215	1085	1615	1450	1465	1305
1665	1495	2220	1995	2155	1950	2235	2000	3335	2990	3325	2985
95%		95%		93%		92%		92%		95%	
145		170		190		200		250		275	
15		20		20		20		30		30	
29/33		29/33		29/33		29/33		29/33		29/33	
N/A		N/A		N/A		N/A		N/A		N/A	
N/A		N/A		N/A		N/A		N/A		N/A	
41.6		55.4		55.4		55.4		83.1		83.1	
36		48		48		48		72		72	
18		24		24		24		36		36	
150		180		200		210		265		290	

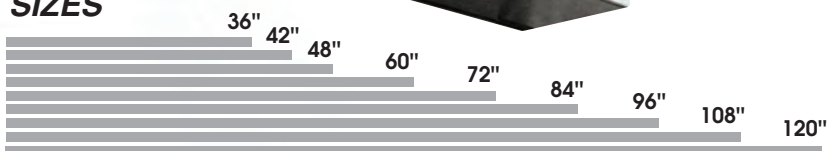
SAVE-T® INSECT BACK DOOR SERIES – S-IBD



For insect control up to 10' high



SIZES



APPLICATIONS

- Insect and Wind Control
- Restaurant and Food Service Back Doors
- Hotel, Resort, and Casino Back Doors
- Auto Body and Open Bays
- Paint Booths

FEATURES

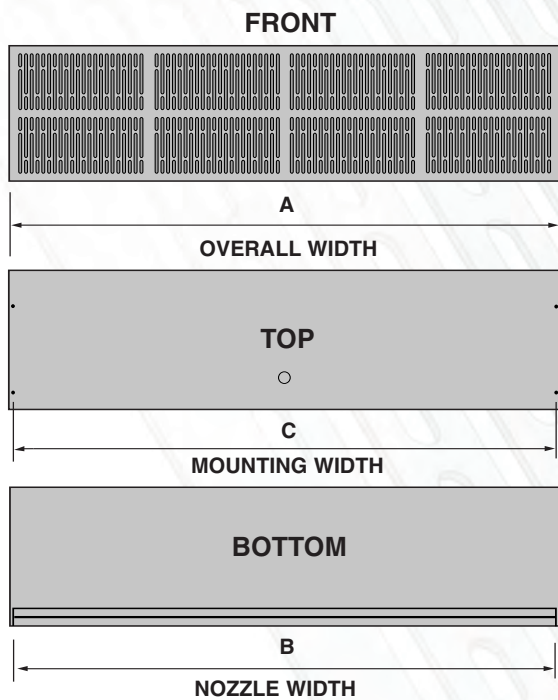
- 3/4 horsepower motors
- Aluminized steel, one-piece construction
- Optional filters for improved air quality
- Unmatched air flow uniformity
- Exceptionally low noise levels (63 dBA low speed)
- Electric, hot water, steam heat, or indirect gas heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)



INSECT BACK DOOR SERIES – S-IBD

MODEL	S-IBD-36-1	S-IBD-42-1	S-IBD-48-1
Nozzle Width (in.)	36	42	48
Number of Motors	1	1	1
Horse Power per Motor	3/4	3/4	3/4
Max. FPM at Nozzle	4345	4345	4345
Max. CFM at Nozzle	2985	3485	3980
Avg. FPM at Nozzle.	3805	3265	2855
CFM at Nozzle	2615	2610	2635
Outlet Vel. Uniformity (%)	95%	93%	92%
Shipping Wt. Unheated (lbs.)	95	100	110

- Consult factory for electric heat



S-IBD DIMENSIONS CHART					
Model	A	B	C	D	E
36"	37"	36"	36.0625"	15"	15.375"
42"	43"	42"	42.0625"	15"	15.375"
48"	49"	48"	48.0625"	15"	15.375"
60"	61"	60"	60.0625"	15"	15.375"
72"	73"	72"	72.0625"	15"	15.375"
84"	85"	84"	84.0625"	15"	15.375"
96"	97"	96"	96.0625"	15"	15.375"
108"	109"	108"	108.0625"	15"	15.375"
120"	119"	118"	120.0625"	15"	15.375"

Standard Motor Voltages	Amps per Motor
110, 1ø, 60 hz	8.0
208, 1ø, 60 hz	3.6
230, 1ø, 60 hz	3.6
460, 1ø, 60 hz	2.0
575, 1ø, 60 hz	1.5



BENEFITS

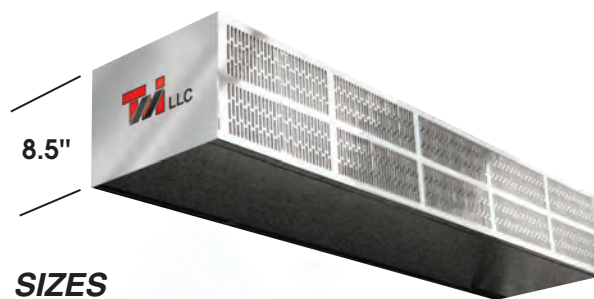
- Immediate energy savings – payback period as little as two years
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Stops outside drafts, flying insects, and airborne pollutants
- Increase visibility – no physical barrier in the opening

S-IBD-60-2	S-IBD-72-2	S-IBD-84-2	S-IBD-96-2	S-IBD-108-3	S-IBD-120-3
60	72	84	96	108	118
2	2	2	2	3	3
3/4	3/4	3/4	3/4	3/4	3/4
4345	4345	4345	4345	4345	4345
5200	5975	6965	7965	8965	9960
3415	3800	3265	2855	3815	3270
3925	5235	5215	5235	7850	7845
95%	95%	93%	92%	95%	94%
155	175	195	210	260	285

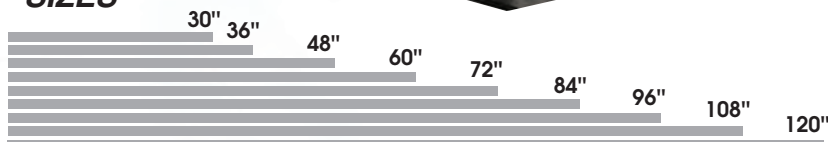
SAVE-T® LOW PROFILE COMMERCIAL SERIES – S-LP



For environmental control and personnel comfort up to 10' high.



SIZES



FEATURES

- 1/5 horsepower, variable-speed motors
- Stainless steel, one-piece construction
- Low profile design – only 8.5" high
- Unmatched air flow uniformity
- Includes filters for improved air quality
- Exceptionally low noise levels (53 dBA low speed)
- Electric, hot water, or steam heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)
- Includes threaded inserts for top mounting

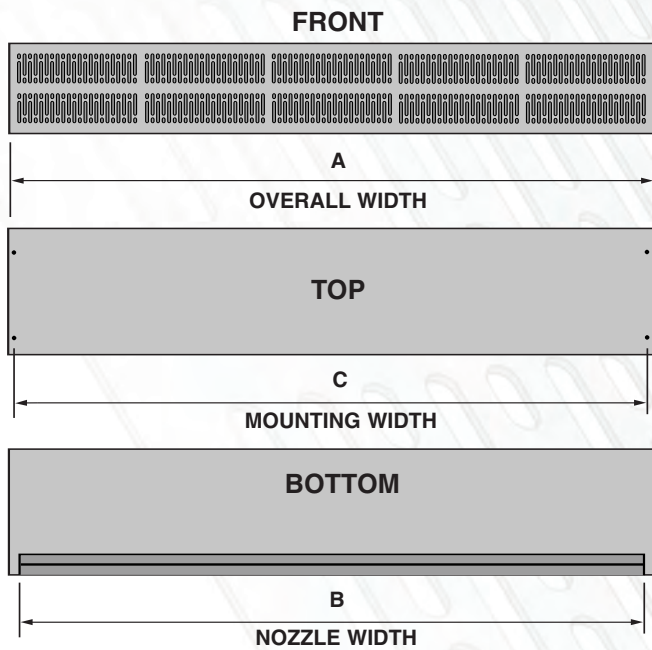
APPLICATIONS

- Drive-Thru Windows
- Concession Stands
- Patios
- Office and Employee Entrances
- Interoffice and Commercial Separation
- Hospital Entrances and Hallways
- Retail and Commercial Entrances
- Restaurant and Food Service Entrances
- Restaurant Smoking Areas
- Hotels, Casinos, Resort Entrances
- Walk-in Coolers
- Paint Booths
- Schools



LOW PROFILE COMMERCIAL SERIES – S-LP			
MODEL	S-LP-30-1-VS	S-LP-36-1-VS	S-LP-42-1-VS
Nozzle Width (in.)	29	35	41
Number of Motors	1	1	1
Horse Power per Motor	1/5	1/5	1/5
Max. FPM at Nozzle	3100	3100	3100
Avg. FPM at Nozzle	2100	2200	2150
CFM at Nozzle	925	1215	1380
Outlet Vel. Uniformity (%)	92%	95%	95%
Shipping Wt. Unheated (lbs.)	45	55	65
Heater kW	8	8	8
Temp. Rise	24	22	20
Amp Draw* 208/1/60	38.5	38.5	38.5
Amp Draw* 240/1/60	33.3	33.3	33.3
Amp Draw* 208/3/60	22.2	22.2	22.2
Amp Draw* 240/3/60	19.3	19.3	19.3
Amp Draw* 480/3/60	9.6	9.6	9.6
Shipping Wt. Heated	50	60	70

* More than one power supply may be required.



S-LP DIMENSIONS CHART					
Model	A	B	C	D	E
30"	31"	29"	30"	8.5"	11.875"
36"	37"	35"	36"	8.5"	11.875"
42"	43"	41"	42"	8.5"	11.875"
48"	49"	47"	48"	8.5"	11.875"
60"	61"	59"	60"	8.5"	11.875"
72"	73"	71"	72"	8.5"	11.875"
84"	85"	83"	84"	8.5"	11.875"
96"	97"	95"	96"	8.5"	11.875"
108"	109"	107"	108"	8.5"	11.875"
120"	121"	119"	120"	8.5"	11.875"

Standard Motor Voltages	Amps per Motor
110, 1ø, 60 hz	4.4
208, 1ø, 60 hz	2.0
230, 1ø, 60 hz	2.0
460, 1ø, 60 hz	1.1
575, 1ø, 60 hz	0.9



BENEFITS

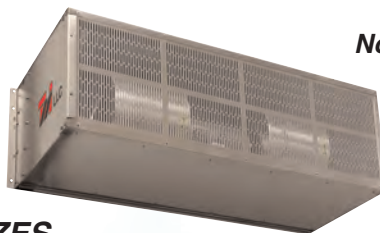
- Immediate energy savings – payback period as little as two years
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening
- Heated units provide supplemental heat, increasing employee comfort

S-LP-48-1-VS	S-LP-60-1-VS	S-LP-72-2-VS	S-LP-84-2-VS	S-LP-96-2-VS	S-LP-108-2-VS	S-LP-120-2-VS
47	59	71	83	95	107	119
1	1	2	2	2	2	2
1/5	1/5	1/5	1/5	1/5	1/5	1/5
3100	3100	3100	3100	3100	3100	3100
2100	1985	2200	2150	2100	2200	2175
1545	1820	2425	2760	3095	3640	3970
92%	92%	95%	95%	95%	95%	95%
70	90	100	115	120	140	150
16	16	16	24	32	32	32
33	29	22	29	33	29	27
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
44.5	44.5	44.5	66.7	88.9	88.9	88.9
38.5	38.5	38.5	57.8	77.1	77.1	77.1
19.3	19.3	19.3	28.9	38.5	38.5	38.5
85	95	105	120	125	145	160

SAVE-T® LIGHT INDUSTRIAL SERIES – S-LI

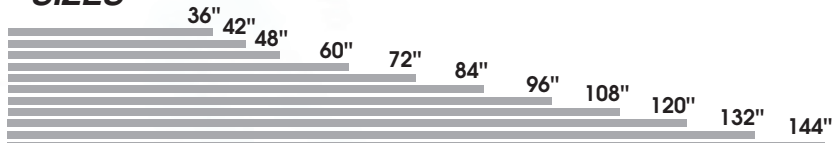


For environmental control up to 12' high and insect control on industrial openings up to 10' high.



Note: One piece units for 14' and 16' wide openings available.
For specifications consult factory.

SIZES



FEATURES

- 3/4 horsepower dual-speed motors
- Stainless steel, one-piece construction
- Optional filters for improved air quality
- Unmatched air flow uniformity
- Exceptionally low noise levels (56 dBA low speed)
- Electric, hot water, steam heat or indirect gas heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

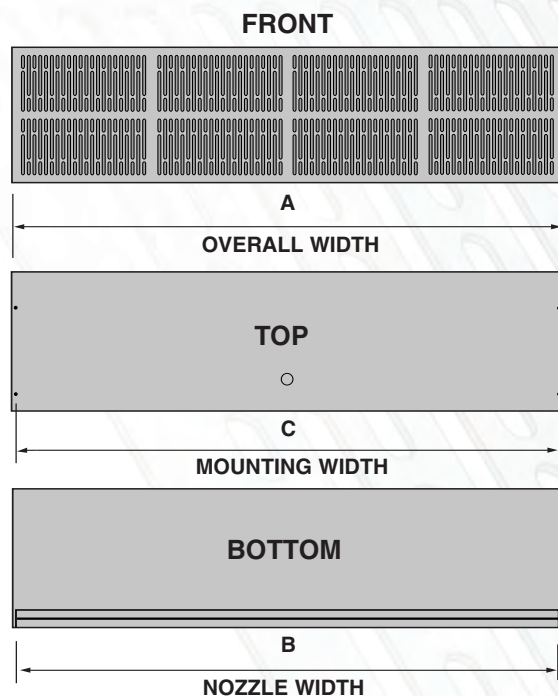


APPLICATIONS

- Loading Docks
- Internal Warehouse Openings
- Shipping and Receiving Doors
- Distribution Centers
- Food Processing
- Paint Booths
- Meat Processing
- Car Washes
- Auto Body and Open Bays
- Walk-In Coolers
- Conveyor Openings

LIGHT INDUSTRIAL SERIES – S-LI										
MODEL	S-LI-36-1-2S		S-LI-42-1-2S		S-LI-48-1-2S		S-LI-60-1-2S		S-LI-60-2-2S	
Nozzle Width (in.)	36		42		48		60		60	
Number of Motors	1		1		1		1		2	
Horse Power per Motor	3/4		3/4		3/4		3/4		3/4	
Motor Speed(s)	High	Low	High	Low	High	Low	High	Low	High	Low
Max. FPM at Nozzle	4345	2920	4345	2920	4345	2920	4345	2920	4345	2920
Max. CFM at Nozzle	2985	2005	3485	2345	3985	2680	4505	2875	5200	3350
Avg. FPM at Nozzle.	3805	2560	3260	2195	2855	1920	2285	1535	3415	2295
CFM at Nozzle	2620	1760	2605	1745	2635	1770	2603	1755	3925	2640
Outlet Vel. Uniformity (%)	95%		93%		92%		91%		94%	
Shipping Wt. Unheated (lbs.)	95		100		110		120		155	
Heater kW	10		10		10		10		15	
Temp. Rise	13/19		13/19		13/19		13/19		13/19	
Amp Draw 208/1/60	48.1		48.1		48.1		48.1		N/A	
Amp Draw 240/1/60	41.6		41.6		41.6		41.6		N/A	
Amp Draw 208/3/60	27.7		27.7		27.7		27.7		41.6	
Amp Draw 240/3/60	24		24		24		24		36	
Amp Draw 480/3/60	12		12		12		12		18	
Shipping Wt. Heated	100		105		115		125		165	

• Heated units are for interior mounting only



S-LI DIMENSIONS CHART					
Model	A	B	C	D	E
36"	37"	36"	36.0625"	15"	15.375"
42"	43"	42"	42.0625"	15"	15.375"
48"	49"	48"	48.0625"	15"	15.375"
60"	61"	60"	60.0625"	15"	15.375"
72"	73"	72"	72.0625"	15"	15.375"
84"	85"	84"	84.0625"	15"	15.375"
96"	97"	96"	96.0625"	15"	15.375"
108"	109"	108"	108.0625"	15"	15.375"
120"	119"	118"	120.0625"	15"	15.375"
132"	134"	133"	133.0625"	15"	15.375"
144"	146"	145"	145.0625"	15"	15.375"

BENEFITS

- Immediate energy savings – payback in as little as two years
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening
- Heated units provide supplemental heat, increasing employee comfort

Motor Voltages in Amps/Motor			
Voltage	Amps/Motor	Phase	Hz
110	8.0	1	60
208/230	3.6		
460	2.0		
575	1.5		

VELOCITY PROFILE		
Model	Distance from Nozzle	Avg. Core Velocity(fpm)
S-LI-96-2-2S	3'	2304
	6'	1679
	10'	1762

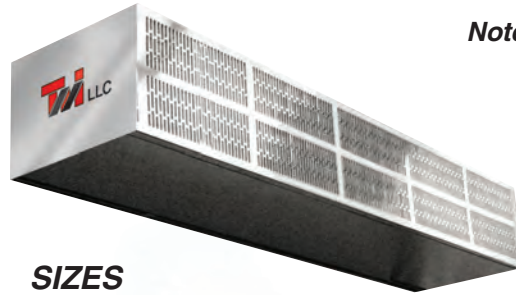


S-LI-72-2-2S		S-LI-84-2-2S		S-LI-96-2-2S		S-LI-108-3-2S		S-LI-120-3-2S		S-LI-132-3-2S		S-LI-144-4-2S	
72		84		96		108		118		133		145	
2		2		2		3		3		3		4	
3/4		3/4		3/4		3/4		3/4		3/4		3/4	
High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
4345	2920	4345	2920	4345	2920	4345	2920	4345	2920	4345	2920	4345	2920
5975	4020	6970	4690	7975	5360	8965	6030	9960	6695	11175	7370	11955	8040
3800	2560	3265	2240	2855	1920	3810	2560	3270	2195	2880	1940	3810	2560
5235	3520	5215	3485	5235	3529	7850	5285	7840	5280	7815	5255	10470	7045
95%		93%		92%		95%		94%		94%		95%	
180		195		210		255		290		300		350	
20		20		20		30		30		30		40	
13/19		13/19		13/19		13/19		13/19		13/19		13/19	
N/A		N/A		N/A		N/A		N/A		N/A		N/A	
N/A		N/A		N/A		N/A		N/A		N/A		N/A	
41.6		55.4		55.4		83.1		83.1		83.1		110.80	
48		48		48		72		72		72		96	
24		24		24		36		36		36		48	
190		205		225		270		300		310		370	

SAVE-T® MEDIUM INDUSTRIAL SERIES – S-MI

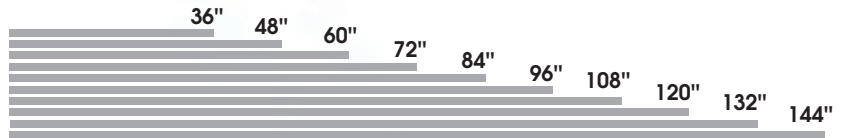


For environmental control up to 14' high and insect control on industrial openings up to 12' high.



Note: One piece units for 14' and 16' wide openings available.
For specifications consult factory.

SIZES

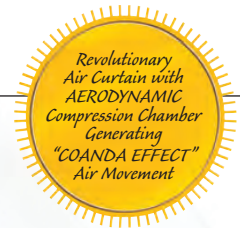


APPLICATIONS

- Loading Docks
- Internal Warehouse Openings
- Shipping and Receiving Doors
- Distribution Centers
- Food Processing
- Meat Processing
- Auto Body and Open Bays
- Paint Booths
- Car Washes
- Walk-In Coolers
- Industrial Ovens
- Conveyor Openings

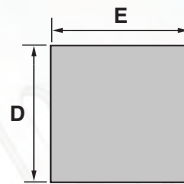
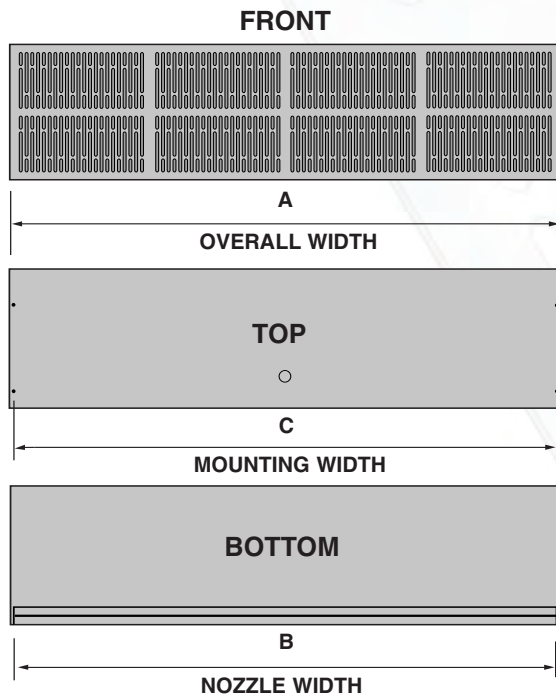
FEATURES

- 1 horsepower motors
- Stainless steel, one-piece construction
- Exceptionally low noise levels (64 dBA)
- Unmatched air flow uniformity
- Electric, hot water, steam heat or indirect gas heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)



MEDIUM DUTY INDUSTRIAL SERIES – S-MI

MODEL	S-MI-36-1	S-MI-42-1	S-MI-48-1	S-MI-60-1	S-MI-60-2
Nozzle Width (in.)	36	42	48	60	60
Number of Motors	1	1	1	1	2
Horse Power per Motor	1	1	1	1	1
Max. FPM at Nozzle	5085	5085	5085	5085	5085
Max. CFM at Nozzle	3500	4075	4665	5275	6090
Avg. FPM at Nozzle	4450	3815	3340	2675	3995
CFM at Nozzle	3065	3065	3065	3065	5375
Outlet Vel. Uniformity (%)	95%	93%	92%	91%	94%
Shipping Wt. Unheated (lbs.)	120	125	130	140	170



S-MI DIMENSIONS CHART					
Model	A	B	C	D	E
36"	37"	36"	36.0625"	15"	15.375"
42"	43"	42"	42.0625"	15"	15.375"
48"	49"	48"	48.0625"	15"	15.375"
60"	61"	60"	60.0625"	15"	15.375"
72"	73"	72"	72.0625"	15"	15.375"
84"	85"	84"	84.0625"	15"	15.375"
96"	97"	96"	96.0625"	15"	15.375"
108"	109"	108"	108.0625"	15"	15.375"
120"	119"	118"	120.0625"	15"	15.375"
132"	134"	133"	133.0625"	15"	15.375"
144"	146"	145"	145.0625"	15"	15.375"

Motor Voltages in Amps/Motor			
Voltage	Amps/Motor	Phase	Hz
110	9.3	1	60
208/230	4.2		
460	2.4		
575	1.8		

VELOCITY PROFILE		
Model	Distance from Nozzle	Avg. Core Velocity(fpm)
S-MI-48-1	3'	4226
	6'	2988
	10'	2314

BENEFITS

- Immediate energy savings – quick payback period
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening

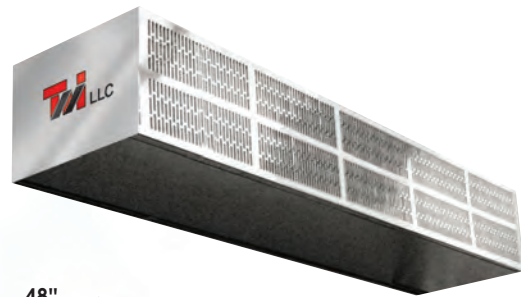


S-MI-72-2	S-MI-84-2	S-MI-96-2	S-MI-108-3	S-MI-120-3	S-MI-132-3	S-MI-144-4
72	84	96	108	118	133	145
2	2	2	3	3	3	4
1	1	1	1	1	1	1
5085	5085	5085	5085	5085	5085	5085
6990	8160	9325	10500	11675	13075	13990
4445	3825	3345	4460	3830	3375	4460
7165	7165	7165	10750	10750	10750	14335
95%	93%	92%	95%	94%	94%	95%
195	210	230	275	300	325	360

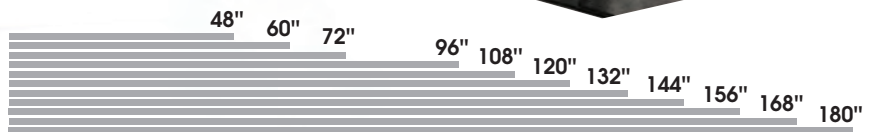
SAVE-T® HEAVY DUTY INDUSTRIAL SERIES – S-HD



For environmental control up to 18' high and insect control on industrial openings up to 14' high.



SIZES



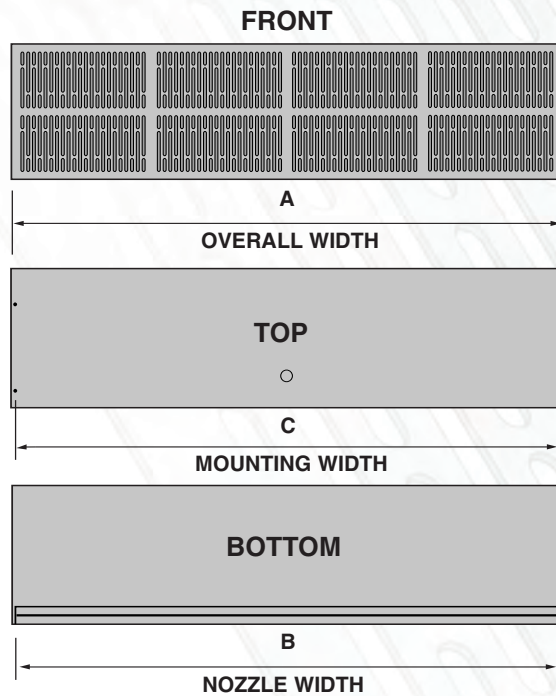
APPLICATIONS

- Loading Docks
- Internal Warehouse Openings
- Shipping and Receiving Doors
- Auto Body and Open Bays
- Paint Booths
- Automotive Openings

FEATURES

- 3 horsepower totally enclosed air over motors
- Stainless steel, one-piece construction
- Exceptionally low noise levels (72 dBA)
- Electric, hot water, steam heat or indirect gas heat optional
- Three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

HEAVY DUTY INDUSTRIAL SERIES – S-HD					
MODEL	S-HD-36-1	S-HD-48-1	S-HD-60-1	S-HD-72-2	S-HD-84-2
Nozzle Width (in.)	36	48	60	72	84
Number of Motors	1	1	1	2	2
Horse Power per Motor	3	3	3	3	3
Power Rating (kW)	2.0	2.0	2.0	4.0	4.0
Max. FPM at Nozzle	5750	5750	5750	5750	5750
Avg. Outlet Velocity FPM	4652	3496	2798	4651	3991
CFM at Nozzle	3198	3205	3206	6396	6402
Outlet Vel. Uniformity (%)	95%	92%	91%	95%	93%
Shipping Wt. Unheated (lbs.)	95	109	122	174	192



Motor Voltages in Amps/Motor							
S-HD	HP	Standard Voltages					
		208	230	460	575	Phase	Hz
	3	7.8	7.4	3.7	3.1	3	60

S-HD DIMENSIONS CHART					
Model	A	B	C	D	E
36"	37"	36"	36.0625"	15"	15.375"
48"	49"	48"	48.0625"	15"	15.375"
60"	61"	60"	60.0625"	15"	15.375"
72"	73"	72"	72.0625"	15"	15.375"
84"	85"	84"	84.0625"	15"	15.375"
96"	97"	96"	96.0625"	15"	15.375"
108"	109"	108"	108.0625"	15"	15.375"
120"	119"	118"	120.0625"	15"	15.375"
132"	134"	133"	133.0625"	15"	15.375"
144"	146"	145"	145.0625"	15"	15.375"
156"	158"	157"	157.0625"	15"	15.375"
168"	170"	169"	169.0625"	15"	15.375"

VELOCITY PROFILE		
Model	Distance from Nozzle	Avg. Core Velocity (fpm)
S-HD	3'	4778
	8'	2926
	12'	2389



BENEFITS

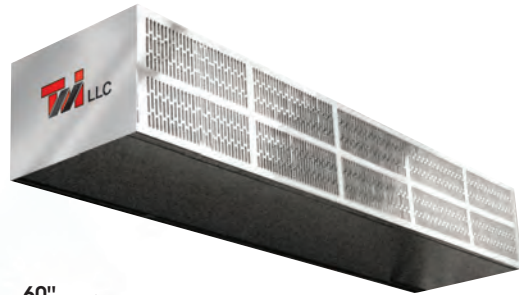
- Immediate energy savings – quick payback period
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening
- Heated units provide supplemental heat, increasing employee comfort

S-HD-96-2	S-HD-108-3	S-HD-120-3	S-HD-132-3	S-HD-144-4	S-HD-156-4	S-HD-168-4
96	108	118	133	145	157	169
2	3	3	3	4	4	4
3	3	3	3	3	3	3
4.0	6.0	6.0	6.0	8.0	8.0	8.0
5750	5750	5750	5750	5750	5750	5750
3496	4651	4259	3838	4651	4321	3991
6410	9594	9598	9602	12792	12798	12804
92%	95%	94%	94%	95%	94%	93%
208	250	279	285	353	366	384

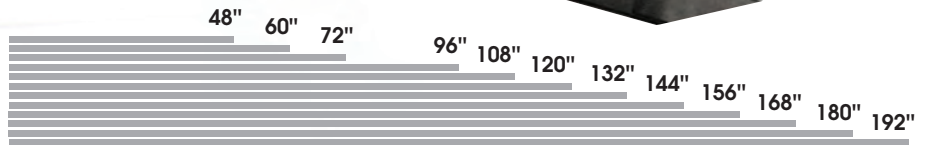
SAVE-T® EXTRA HEAVY DUTY INDUSTRIAL SERIES – S-XHD



For environmental control up to 22' high and insect control on industrial openings up to 20' high.



SIZES



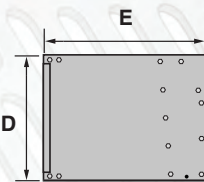
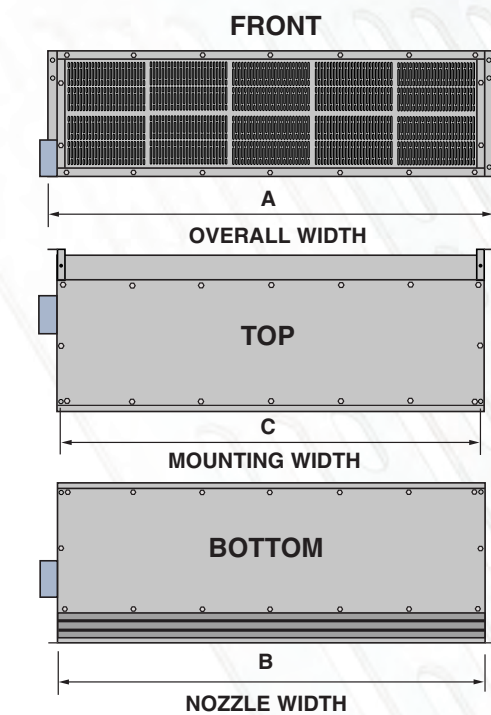
APPLICATIONS

- Loading Docks
- Internal Warehouse Openings
- Shipping and Receiving Doors
- Auto Body and Open Bays
- Paint Booths
- Automotive Openings

FEATURES

- 5 horsepower totally enclosed air over motors
- Stainless steel, one-piece construction
- Exceptionally low noise levels (71 dBA)
- Electric, hot water, steam heat or indirect gas heat optional
- Three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

EXTRA HEAVY DUTY INDUSTRIAL SERIES – S-XHD					
MODEL	S-XHD-48-1	S-XHD-60-1	S-XHD-72-1	S-XHD-96-2	S-XHD-108-2
Nozzle Width (in.)	48	60	72	96	108
Number of Motors	1	1	1	2	2
Horse Power	5	5	5	5	5
Max. FPM at Nozzle	6770	6770	6770	6770	6770
Avg. FPM at Nozzle	5665	4490	5285	4990	4745
CFM at Nozzle	6495	7700	9535	13365	14185
Outlet Vel. Uniformity (%)	92%	91%	95%	92%	95%
Shipping Wt. Unheated (lbs.)	400	435	450	765	795



S-XHD DIMENSIONS CHART					
Model	A	B	C	D	E
48"	51"	48"	47"	21"	27.25"
60"	63"	60"	59"	21"	27.25"
72"	75"	72"	71"	21"	27.25"
96"	99.12"	96.12"	95.12"	21"	27.25"
108"	111.12"	108.12"	107.12"	21"	27.25"
120"	123.12"	120.12"	119.12"	21"	27.25"
132"	135.12"	132.12"	131.12"	21"	27.25"
144"	147.12"	144.14"	143.14"	21"	27.25"
156"	159.24"	156.24"	155.24"	21"	27.25"
168"	171.24"	168.24"	167.24"	21"	27.25"
180"	183.24"	180.24"	179.24"	21"	27.25"
192"	195.24"	192.24"	191.24"	21"	27.25"

Motor Voltages in Amps / Motor							
		Standard Voltages					
S-XHD	HP	208	230	460	575	Phase	Hz
	3	17.1	15.8	7.9	6.3	3	60

VELOCITY PROFILE		
Model	Distance from Nozzle	Avg. Core Velocity (fpm)
S-XHD	4'	3783
	12'	2184
	18'	1783



BENEFITS

- Immediate energy savings – quick payback period
- Prevents infiltration of cold or warm air, increasing employee and customer comfort
- Blocks outside drafts, flying insects and airborne pollutants
- Increased visibility – no physical barrier in the opening
- Heated units provide supplemental heat, increasing employee comfort

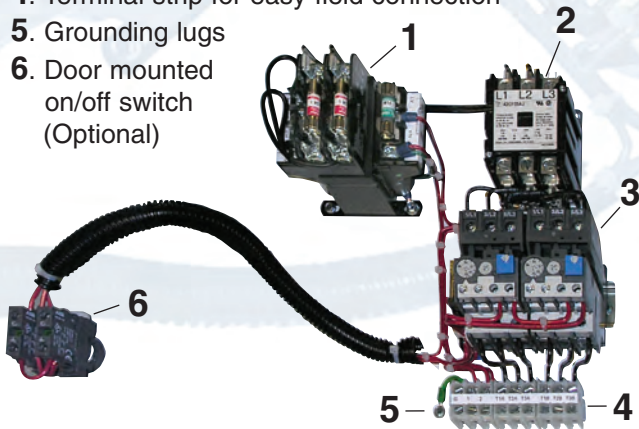
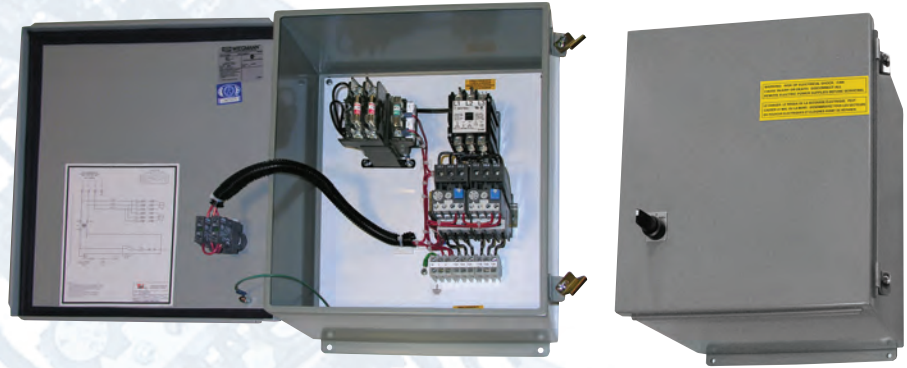
S-XHD-120-2	S-XHD-132-2	S-XHD-144-2	S-XHD-156-3	S-XHD-168-3	S-XHD-180-3	S-XHD-192-3
120	132	144	144	156	168	180
2	2	2	3	3	3	3
5	5	5	5	5	5	5
6770	6770	6770	6770	6770	6770	6770
4490	4490	4490	4820	4660	4490	4990
16225	16605	19745	20865	23510	23695	24035
94%	94%	95%	94%	93%	94%	93%
825	850	865	1155	1190	1220	1240

Optional Equipment and Accessories

Control Panels NEMA 4

Motor control panels include the following components:

1. Transformer with fused primary and secondary, providing 120 volts for control circuit
2. Three-phase contactor
3. Overload blocks for each motor (3 phase motors only)
4. Terminal strip for easy field connection
5. Grounding lugs
6. Door mounted on/off switch (Optional)



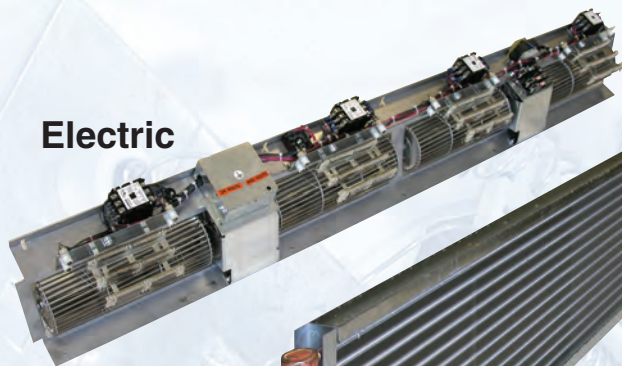
To minimize field wiring, *Save-T* Air Curtains can be ordered with a pre-mounted control panel, located on either side of the housing. Due to space restrictions, remote-mounted control panels may be optional. Wires from each motor are run to a single junction box, eliminating the need for field motor wiring.

Motor control panels substantially reduce field wiring. The control panels are recommended for all three-phase units. Fused disconnects can be included in the panel or supplied by others.

Heaters

Both industrial and commercial units can be ordered with either electric or hot water/steam heaters. In addition, industrial units are available with indirect gas-fired heaters. Heating coils warm the intake air to improve employee and customer comfort.

Electric

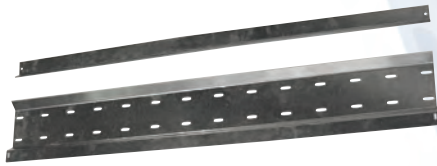


**Hot Water
and
Steam**



Indirect Gas-Fired

Mounting Options



WALL MOUNTING PLATE

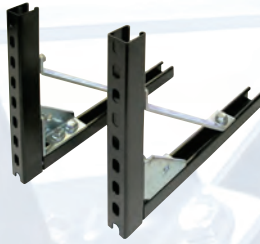
(Designed for S-AP, S-CFD, S-IBD, S-LI, and S-MI Units)

This mounting method can be used when the base (large plate) can be securely attached to a wall made of wooden studs and dry wall material. The smaller bar is attached to the Air Curtain and lifted onto the base plate.



MOUNTING BARS

These “C” channel bars are used when obstructions interfere with normal wall mounting methods. (i.e. overhead door and roll-up door guide rails)



WALL BRACKETS

Wall brackets are required when a unit needs to be mounted away from the wall to clear obstacles or when the existing security door travels between the wall and the Air Curtain.



EXTENSION PLATES

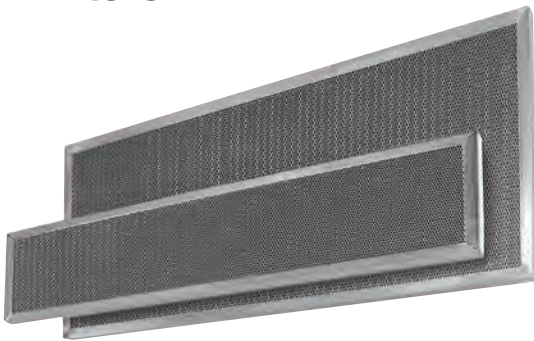
Extension plates are recommended when the pre-drilled top mounting holes are too narrow for a ceiling suspension mount or wall bracket mount (not applicable for electric heated units).



VERTICAL MOUNTING BRACES

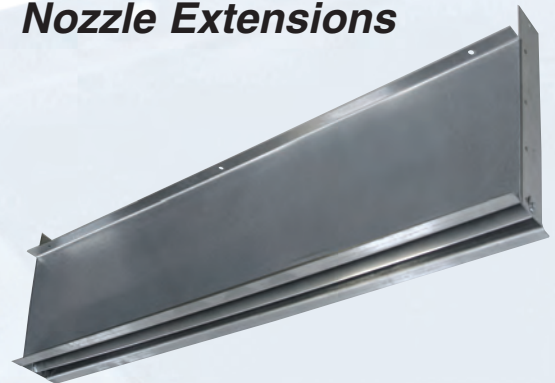
These braces allow Air Curtains to be mounted vertically, creating a more efficient and effective air flow. This is common for refrigeration openings.

Filters



In environments where the intake air must be clear of dust or grease, air filters should be used. Our filters are made of aluminum mesh and are washable with detergent and water.

Nozzle Extensions



Nozzle extensions are typically used when the air curtain is recessed above a ceiling. Each extension is built with an adjustable vane that regulates the direction of the air flow.

OTHER QUALITY *SAVE-T*[®] PRODUCTS



Mega-Pro Swinging Doors



Save-T Roll-Up Bug Screens



Save-T Vinyl Roll-Up Doors



Motorized Accordion Strip Doors



Service-Pro Traffic Doors



Polar-Pro Swinging Doors



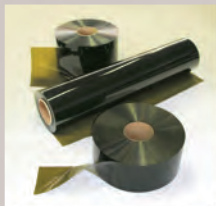
Strip Door Mounted on Overhead Door Bracket



Flexible PVC Strip Doors



Industrial Curtains and Enclosures



Bulk Flexible PVC



M-Series Strip Doors



RIP-A-STRIP™ Ready-to-Hang Replacement Strips on a Roll

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and
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Web: www.tmi-pvc.com

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Dock Accessories



Bakery Rack Covers