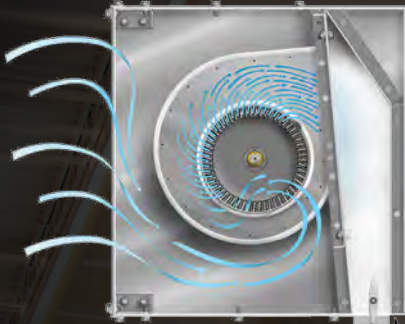




SAVE-T[®] AIR CURTAINS



AIR CHAMBER DESIGN



Pittsburgh, PA

Akron, OH

Atlanta, GA

Los Angeles, CA

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SAVE-T® Air Curtain Models

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CFD: Commercial Front Door	12-13
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LI: Light Industrial	18-19
MI: Medium Industrial	20-21
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Air curtains are ideal for separating environments when physical barriers such as doors would get in the way



HOW AN AIR CURTAIN WORKS



TMI's *SAVET* 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 to prevent conditioned air from leaving the building and outside air from entering, even when there is no primary door in place.

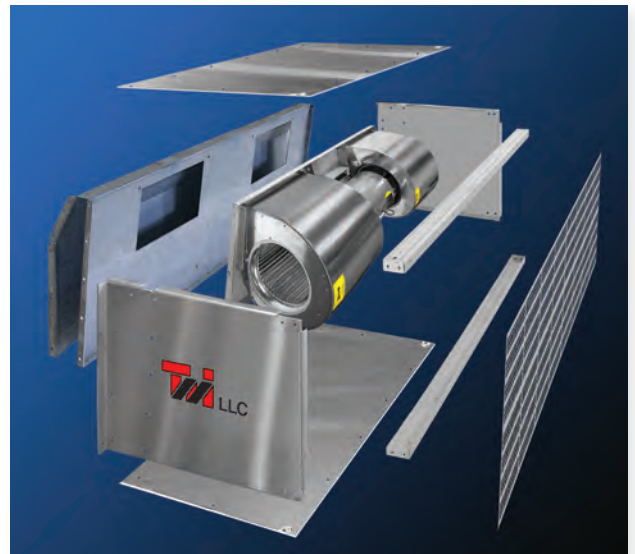
TMI's air compression chamber creates a more uniform air flow to maximize efficiency and reduce noise levels.

Heaters (see Optional Equipment & Accessories on pages 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 colder months. Heated units further increase energy savings by lowering heating and cooling costs.

MAKING AN AIR CURTAIN

TMI International, LLC utilizes the highest quality materials for its air curtains. Each unit is constructed of 100% steel components.

- Intake grill, side panels and top & bottom panels are stainless steel
- Fans and baskets are SG-grade galvanized steel
- The unit is assembled with stainless steel hex screws so the intake grill can be easily removed for regular maintenance and cleaning



CHOOSING THE RIGHT AIR CURTAIN

SAVET® Air Curtains reduce energy costs while increasing employee and customer comfort. The high velocity curtain of air created by the unit stops outside wind from entering the building while circulating warm air inside.

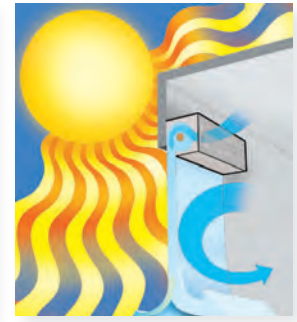
During the winter months, air curtains stop exterior cold drafts from entering through open doorways and prevent heated air from escaping. In summer months, air curtains keep warm, humid air out and cool, conditioned air in.



COLD & WIND CONTROL



BUG & DUST CONTROL



HEAT & HUMIDITY CONTROL

AIR CURTAIN APPLICATIONS

	In-Ceiling	Drive-Through Window	Air-Pro®	Commercial Front Door	Insect Back Door	Low Profile	Light Industrial	Medium Industrial	Heavy Duty Industrial	Extra Heavy Duty Industrial
	ICM	DT	AP	CFD	IBD	LP	LI	MI	HD	XHD
Climate Control	X		X	X		X	X	X	X	X
Environmental Control	X		X	X		X	X	X	X	X
Insect Control			X		X		X	X	X	X
Wind Control					X		X	X	X	X
Drive-Up Windows		X	X			X				
Concession Stands		X	X			X				
Office Entrances	X		X	X		X				
Interoffice Separation			X	X		X				
Commercial Separation			X	X		X				
Hospital Entrances and Hallways	X		X	X		X				
Retail Customer Entrances	X		X	X		X				
Foodservice Entrances	X		X	X		X				
Foodservice 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 Open Bays					X		X	X	X	X
Paint Booths					X	X	X	X	X	X
Walk-In Coolers and Freezers						X	X			
Rail Car Openings									X	X

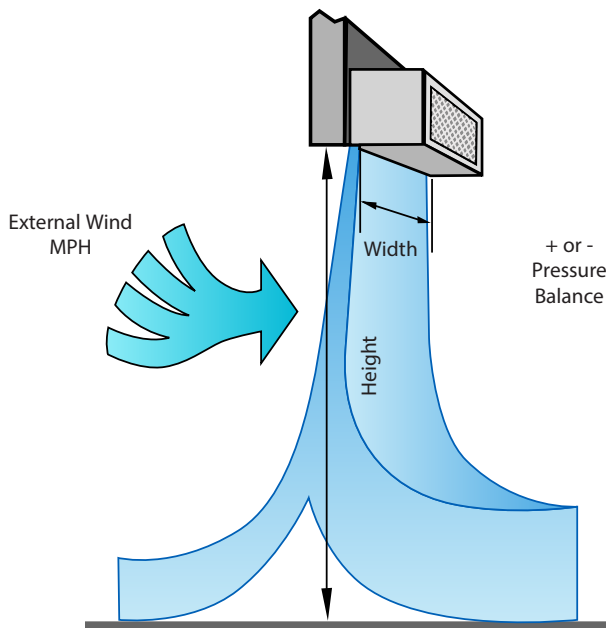
When selecting a **SAVET** Air Curtain, consider all facility and environmental factors that will affect performance and installation:

- Type of Application
- Height & Width of the Opening
- Amount of Direct External Wind Exposure
- Pressure Balance Inside the Building
- Any Heating Option Requirement

The entire opening width must be covered by the air curtain. Height and wind exposure velocity can be managed by adjusting air flow. Deficiencies in pressure balance must be remedied by adjusting the source of the imbalance.

Maximum Installation Heights

MODEL	MAX HEIGHT FOR CLIMATE CONTROL	MAX HEIGHT FOR INSECT CONTROL CONTROL
Air-Pro	7'	7'
S-CFD	10'	n/a
S-IBD	10'	10'
S-LP	11'	n/a
S-LI	12'	10'
S-MI	14'	12'
S-HD	16'	14'
S-XHD	22'	20'



Approximately 80% of a curtains air flow stays inside the facility, while 20% will flow outside

Installation Information Required

Installation Details

- Width of Opening _____ in.
- Height of Opening _____ in.

Purpose of Air Curtain

- Insect Control
- Environment/Climate Control
- Both

Opening Type

- Retail Entry
- Commercial Entry
- Loading Dock
- Interior Opening
- Drive-Up Window
- Service Entry
- Walk In Cooler
- Other

Opening Location

- Opening Between Two Interior Spaces
- Opening Between Interior and Exterior
 - Mounted Inside
 - Mounted Outside

Wind Speed

- 5-10 mph
- 10-15 mph
- Other _____

Negative Pressure

- Yes (amount in FPM) _____
- No

Voltage Available

- 120/1/60
- 208/1/60
- 240/1/60
- 208/3/60
- 240/3/60
- 600/3/60
- 480/3/60

Heating Option

- Electric
- Steam
- Water
- Indirect Gas
- Direct Gas
- None

Activation Type

- Automatic Door Switch
- Manual On / Off
- Remote Hand / Off / Auto Switch
- Other Need _____

ENERGY SAVING & RETURN ON INVESTMENT

TMI's engineering department can provide computer-generated energy saving calculations to show cost savings in years of payback for either heated or air conditioned applications.

Sample Report

• Opening Height	<input type="text" value="10"/>	Feet
• Opening Width	<input type="text" value="10"/>	Feet
• Average Outside Temperature	<input type="text" value="32"/>	° F
• Average Inside Temperature	<input type="text" value="65"/>	° F
• Average Wind Speed at Opening	<input type="text" value="10"/>	MPH
• Time a Day Open	<input type="text" value="5"/>	HRS/Day
• Days of Air Curtain Operation	<input type="text" value="5"/>	Days
• Length of Season	<input type="text" value="26"/>	Weeks
• Cost of Heat	<input type="text" value="4.25"/>	\$/MMBTU
• Cost of Electricity	<input type="text" value="0.07"/>	\$/KW HR

With Air Curtain

Save 70% of Heat Losses

Heat Saved:
1,110,128 BTU/HR

Cost of Heat Saved:
\$3,066.73/Season

Cost of Air Curtain Operation:
\$101.83/Season

Installed Air Curtain Cost:
\$3,570.00

Payback Period:
1.2 Years

Without Air Curtain:

Heat Loss:
1,585,898 BTU/HR

Cost of Heat Loss:
\$4,381.04/Season

ACTIVATION DEVICES

To regulate operation of *SAVE-T* Air Curtains, TMI offers a number of activation devices. These allow units to be inactive until the door is opened, or if the curtain has a heating element, a thermostat can control the amount of heat needed.



WALL SWITCH



VARIABLE SPEED ON/OFF SWITCH



REMOTE MOUNT THERMOSTAT



DISCONNECT SWITCH



FAN/HEAT SWITCH



MAGNETIC DOOR SWITCH



PLUNGER/ROLLER DOOR SWITCH



MOTION SENSOR



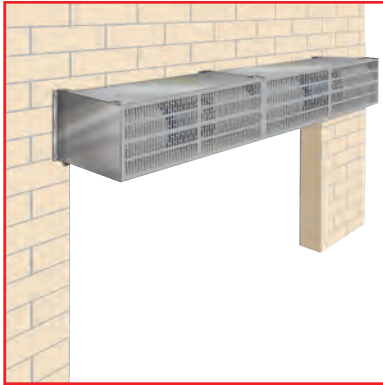
HIGH/LOW/OFF SWITCH



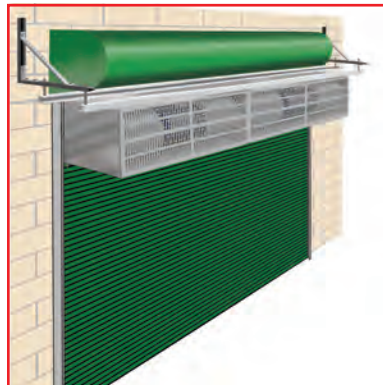
HAND/OFF/AUTO SWITCH

MOUNTING OPTIONS

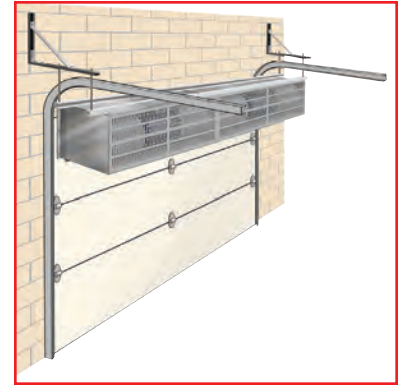
How a *SAVE-T*® Air Curtain is mounted depends on the doorway opening and what obstructions are present. TMI's trained staff can provide custom solutions to overcome almost any mounting problem.



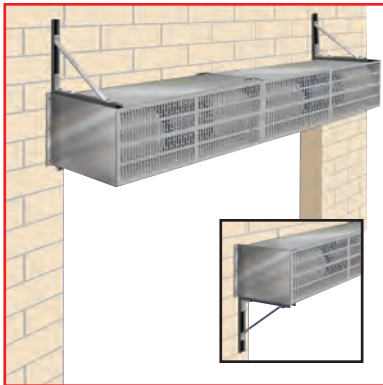
STANDARD WALL MOUNT



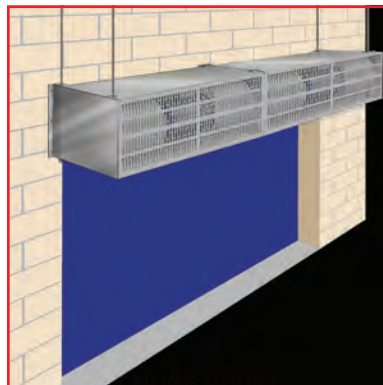
STRUT CHANNEL EXTENSIONS, THREADED RODS AND WALL MOUNTING BRACKETS*



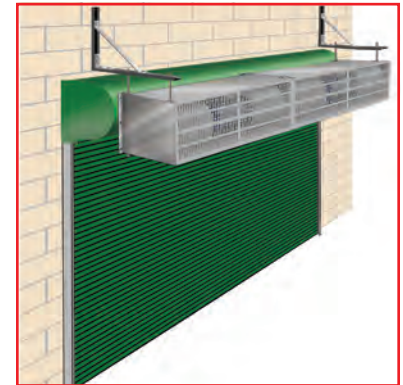
STRUT CHANNEL EXTENSIONS, THREADED RODS AND WALL MOUNTING BRACKETS*



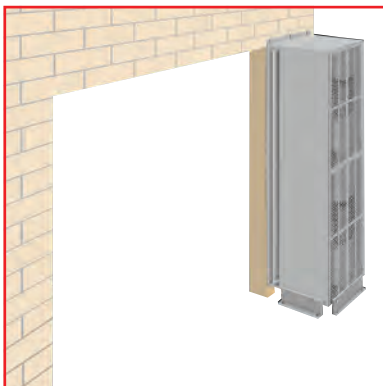
WALL MOUNTING BRACKETS



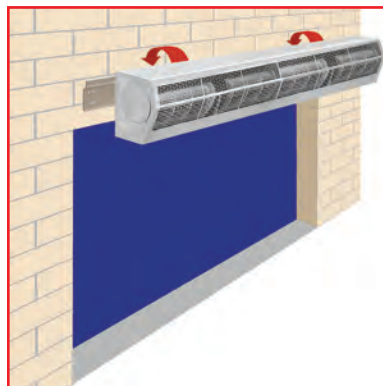
THREADED ROD MOUNT*



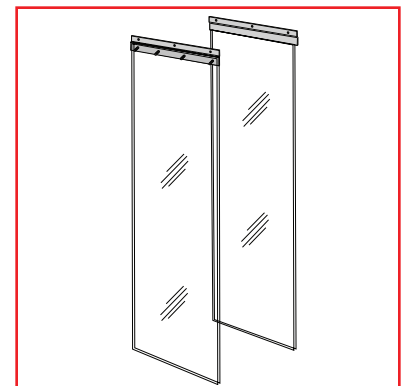
WALL MOUNTING BRACKETS AND THREADED RODS*



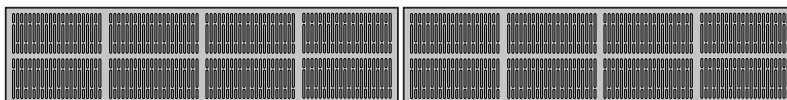
VERTICAL MOUNTING FOR LOW CEILINGS OR NO HEADER SPACE



MOUNTING PLATE (OPTIONAL)‡



SIDE BAFFLES (OPTIONAL)§



TANDEM MOUNTING
Two units can be mounted side-by-side for larger openings.

* Strut channel extensions optional, threaded rods provided by others.

‡ Mounting plates are standard equipment with Air-Pro® units and are the only method for mounting. (Mounting plates are not available on LP, HD, or XHD units.)

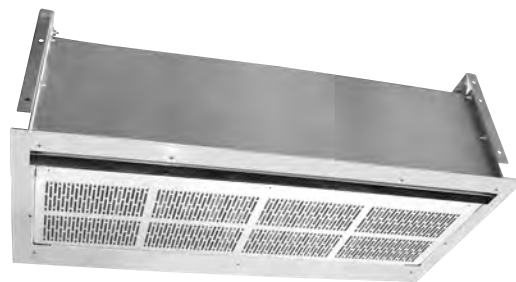
§ Side baffles are clear flexible PVC material mounted on studded strip door hardware.

IMPORTANT: TMI RECOMMENDS ALL MOUNTING BE PERFORMED BY A CERTIFIED CONTRACTOR TO ASSURE THE UNIT IS TIGHTLY SECURED AND COMPLIES WITH ALL SAFETY CODES.

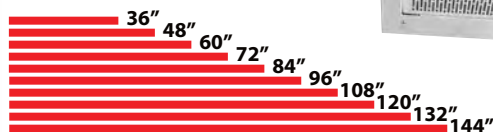
ICM: IN-CEILING MOUNT



ENVIRONMENTAL CONTROL AND PERSONNEL COMFORT FOR CEILINGS UP TO 10' (120") HIGH



SIZES



PERFECT FOR

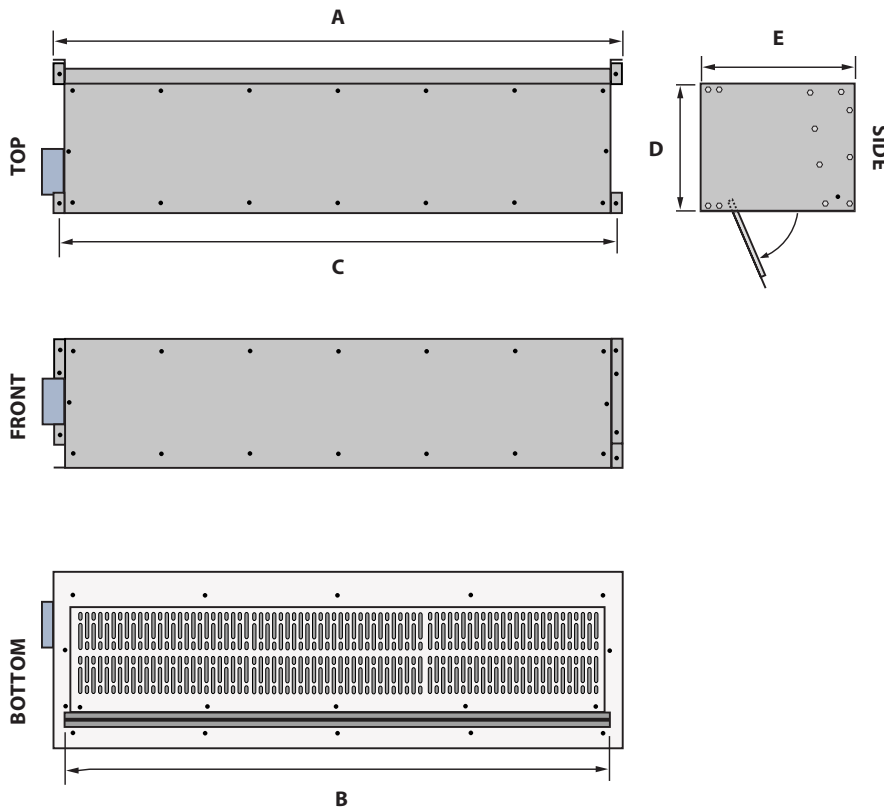
- Office Entrances and Vestibules
- Retail and Commercial Entrances
- Hospital Entrances
- Foodservice Doors
- Hotel and Casino Entrances
- School Entrances

FEATURES

- ½ Horsepower, two-speed motors
- Single-piece construction
- Unit is concealed in the ceiling, flush with ceiling panels
- Hinged service panel for cleaning and service
- White or optional stainless steel
- Includes filters for improved air quality
- Low noise levels (51 dBA low speed)
- No additional duct work or nozzle extension required
- Optional electric, water or steam heat available
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months heated)

MODEL		S-ICM-36-1		S-ICM-48-1		S-ICM-60-1		S-ICM-72-2		S-ICM-84-2		S-ICM-96-2	
Nozzle Width		36"		48"		60"		72"		84"		96"	
Number of Motors		1		1		1		2		2		2	
Horsepower per Motor		½		½		½		½		½		½	
Amp Draw	120/1/60	2.5		2.5		2.5		5		5		5	
	208/1/60 or 230/1/60	1.4		1.4		1.4		2.8		2.8		2.8	
	480/1/60	0.7		0.7		0.7		1.4		1.4		1.4	
	575/1/60**	0.6		0.6		0.6		1.2		1.2		1.2	
Motor Speed		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Maximum FPM at Nozzle		1904	1748	1960	1800	1960	1800	1960	1800	1960	1800	1960	1800
Average FPM		1570	1408	1178	1056	942	845	1570	1408	1346	1207	1178	1056
Maximum CFM		1309	1202	1745	1603	1790	1650	2618	2404	3054	2804	3490	3204
CFM at Nozzle		1005	961	1094	983	1084	977	2159	1936	2093	1896	2170	1942
Outlet Velocity Uniformity		95%		92%		91%		95%		93%		92%	
Unheated Weight (lbs)		171		189		220		342		355		370	
Heater kW		10		10		10		20		20		20	
Temperature Rise		29°	33°	29°	33°	29°	33°	29°	33°	29°	33°	29°	33°
Electric Heater Amp Draw*	208/1/60	49.4		49.4		49.4		N/A		N/A		N/A	
	240/1/60	43.1		43.1		43.1		N/A		N/A		N/A	
	208/3/60	29.2		29.2		29.2		58.4		58.4		58.4	
	240/3/60	25.5		25.5		25.5		51		51		51	
	480/3/60	12.7		12.7		12.7		25.6		25.6		25.6	
Heated Weight (lbs)		174		196		224		348		36		379	

* More than one power supply may be required. **Transformed to 120v.



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-ICM-36-1	39"	36"	37.50"	16.75"	20.25"
S-ICM-42-1	51"	42"	49.50"	16.75"	20.25"
S-ICM-48-1	63"	48"	61.50"	16.75"	20.25"
S-ICM-60-2	75.07"	60"	73.57"	16.75"	20.25"
S-ICM-72-2	87.07"	72.07"	85.57"	16.75"	20.25"
S-ICM-84-2	99.07"	84.07"	97.57"	16.75"	20.25"
S-ICM-96-2	111.07"	96.07"	109.57"	16.75"	20.25"
S-ICM-108-3	111.15"	108.07"	109.65"	16.75"	20.25"
S-ICM-120-3	123.15"	120.15"	121.65"	16.75"	20.25"
S-ICM-132-3	135.15"	132.15"	133.65"	16.75"	20.25"
S-ICM-144-4	147.22"	144.22"	145.72"	16.75"	20.25"



BENEFITS

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

RECOMMENDED ACCESSORIES

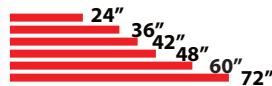
- Door Switch
- High / Low Speed Switch
(remote mount)
- Time Delay

MODEL	S-ICM-108-3		S-ICM-120-3		S-ICM-132-3		S-ICM-144-4		
Nozzle Width	108"		120"		132"		144"		
Number of Motors	3		3		3		4		
Horsepower per Motor	½		½		½		½		
Amp Draw	120/1/60	7.5	7.5	7.5	7.5	7.5	10	10	
	208/1/60 or 230/1/60	4.2	4.2	4.2	4.2	4.2	5.6	5.6	
	480/1/60	2.1	2.1	2.1	2.1	2.1	2.8	2.8	
	575/1/60	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
Motor Speed	High	Low	High	Low	High	Low	High	Low	
Maximum FPM at Nozzle	1904	1748	1904	1748	1904	1748	1904	1748	
Average FPM	1570	1408	1421	1274	1178	1056	1570	1408	
Maximum CFM	3928	3606	4364	4006	4950	4658	5236	4808	
CFM at Nozzle	3239	2905	3230	2900	3247	2912	4318	3872	
Outlet Velocity Uniformity	92%		95%		95%		95%		
Unheated Weight (lbs)	513		530		545		684		
Heater kW	30		30		30		40		
Temperature Rise	29°	33°	29°	33°	29°	33°	29°	33°	
Electric Heater Amp Draw*	208/1/60	N/A		N/A		N/A		N/A	
	240/1/60	N/A		N/A		N/A		N/A	
	208/3/60	87.4		87.4		87.4		N/A	
	240/3/60	76.4		76.4		76.4		N/A	
	480/3/60	38.2		38.2		38.2		51	
Heated Weight (lbs)	522		547		559		696		

ENVIRONMENTAL CONTROL AND PERSONNEL COMFORT FOR INTERIOR OPENING HEIGHTS UP TO 7' (84") HIGH



SIZES

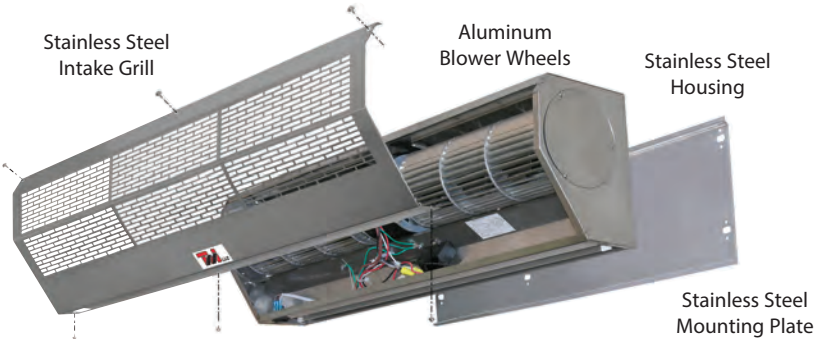


FEATURES

- 1/3 Horsepower, two-speed motors
- Built in high/low/off switch
- Housing, grill and nozzle are 304 series stainless steel
- Aluminum blower wheels
- Housing finish is available in stainless steel or powder coated white (36" and 42" only)
- Heavy duty directional vane
- All units are 120 V, single-phase, and can be plugged into a standard Type-B outlet
- Stainless steel (-SS) units up to 60" wide are NSF listed for interior use on openings up to 84" high
- One-year parts warranty
- Low noise levels (67 dBA low speed)
- Separate mounting plate for easy installation

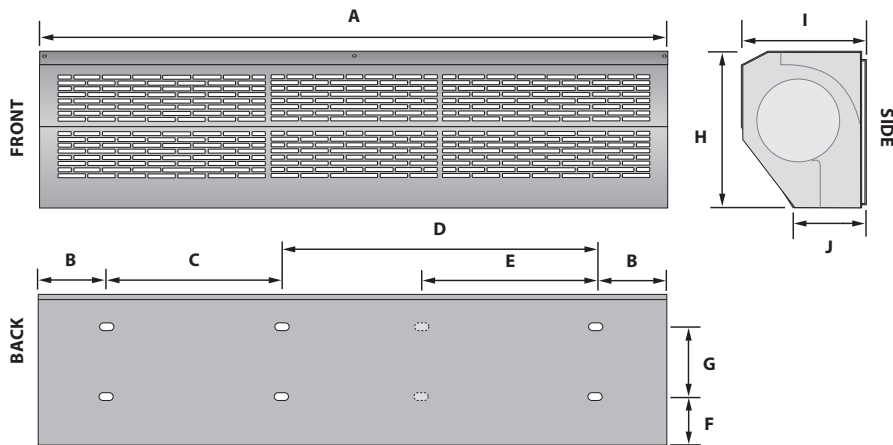
PERFECT FOR

- Foodservice Doors
- Hotel Entrances
- Convenience Store Doors
- Food Manufacturing Entrances
- Retail Food Store Doors
- Commercial Kitchen Entrances



MODEL	AP-2-24-1		AP-2-36-1		AP-2-42-1		AP-2-48-1*		AP-2-60-1*		AP-4-72-2*	
Nozzle Width	22.50"		34.50"		38.50"		46.25"		58.00"		69.50"	
Number of Motors	1		1		1		1		1		2	
Horsepower per Motor	1/3		1/3		1/3		1/3		1/3		1/3	
Motor Speed	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Amp Draw	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	6.4	6.4
Capacity	.500 kW	.495 kW	.500 kW	.495 kW	.650 kW	.645 kW	.650 kW	.645 kW	.800 kW	.795 kW	1.000 kW	.990 kW
Maximum FPM at Nozzle	3150	2560	3150	2560	3150	2560	3150	2560	3150	2560	3150	2560
CFM at Nozzle	810	660	1220	990	1360	1100	1860	1520	2330	1890	2440	1980
Weight (lbs)	30		43		47		62		75		86	

* Only available in stainless steel.



MODEL	A: OVERALL WIDTH	H: HEIGHT	I: OVERALL DEPTH	J: DEPTH
AP-2-24-1	23.50"	10.00"	8.50"	5.00"
AP-2-36-1	35.50"	10.00"	8.50"	5.00"
AP-2-42-1	39.50"	10.00"	8.50"	5.00"
AP-2-48-1	47.25"	10.00"	8.50"	5.00"
AP-2-60-1	59.00"	10.00"	8.50"	5.00"
AP-4-72-2	69.50"	10.00"	8.50"	5.00"

MODEL	B: MOUNTING HOLE WIDTH 1	C: MOUNTING HOLE WIDTH 2	D: MOUNTING HOLE WIDTH 3	E: MOUNTING HOLE WIDTH 4	F: MOUNTING HOLE HEIGHT 1	G: MOUNTING HOLE HEIGHT 2
AP-2-24-1	0.75"	21.75"	N/A	N/A	2.00"	5.75"
AP-2-36-1	1.00"	11.50"	22.00"	N/A	2.00"	5.75"
AP-2-42-1	1.00"	11.50"	22.00"	N/A	2.00"	5.75"
AP-2-48-1	1.00"	17.00"	28.00"	17.50"	2.00"	5.75"
AP-2-60-1	1.00"	22.50"	33.50"	22.50"	2.00"	5.75"
AP-4-72-2	1.50"	22.00"	46.00"	22.00"	2.00"	5.75"

BENEFITS

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

STANDARD AIR-PRO® EQUIPMENT



All Air-Pro® air curtains run on 120 volts and have single-phase motors, which means they plug into standard Type-B grounded wall outlets for a quick and easy installation.



The Air-Pro® is easy to operate. Each unit has a two-speed motor with a built in high/low/off rocker switch. There is also an adjustable directional vane that allows regulation of the air flow direction.



An automatic door plunger switch is supplied with every Air-Pro® unit. This switch allows the air curtain to be instantly turned on when the door is opened and turned off when the door is closed.

A heavy-duty roller switch is also available as an option.

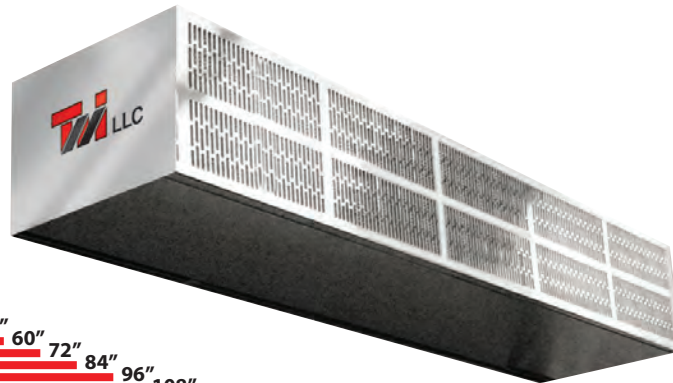


CFD: COMMERCIAL FRONT DOOR

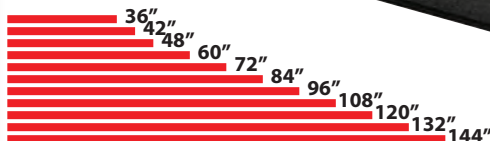
CLIMATE AND ENVIRONMENTAL CONTROL FOR OPENING HEIGHTS UP TO 10' (120") HIGH



E-CFD Unit Pictured



SIZES



FEATURES

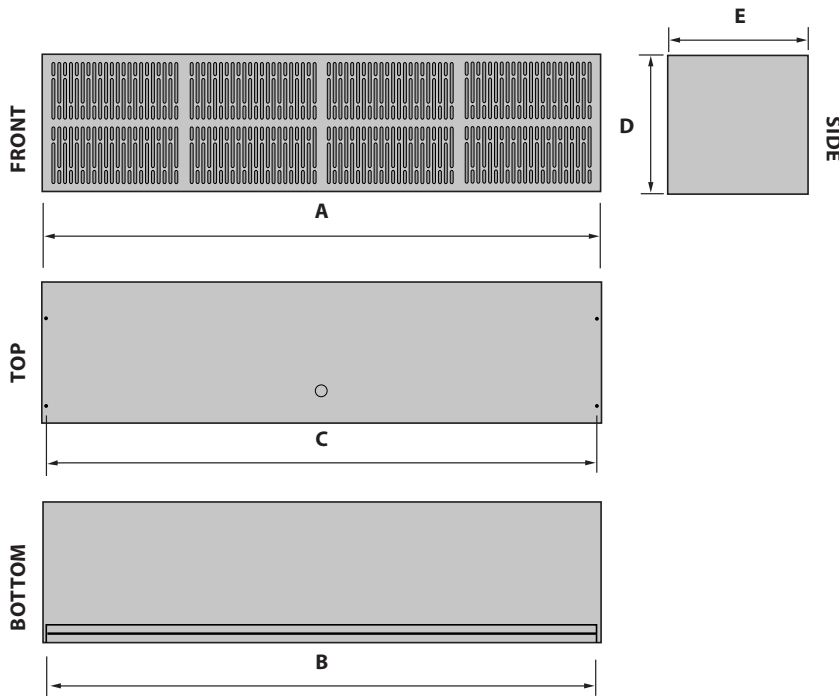
- ½ Horsepower, two-speed motors
- Aluminized steel or stainless steel single-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (51 dBA low speed)
- Electric, hot water or steam heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)
- Available economy option replaces front intake grill with front intake filter (E-CFD)

PERFECT FOR

- Office Entrances
- Inter-Office Separation
- Commercial Separation
- Hospital Entrances and Hallways
- Retail and Commercial Entrances
- Foodservice Doors
- Hotel and Casino Entrances

MODEL		S-CFD-36-1		S-CFD-42-1		S-CFD-48-1		S-CFD-60-2		S-CFD-72-2		S-CFD-84-2‡	
Nozzle Width		36"		42"		48"		60"		72"		84"	
Number of Motors		1		1		1		2		2		2	
Horsepower per Motor		½		½		½		½		½		½	
Amp Draw	120/1/60	2.5		2.5		2.5		5		5		5	
	208/1/60 or 230/1/60	1.4		1.4		1.4		2.8		2.8		2.8	
	480/1/60	0.7		0.7		0.7		1.4		1.4		1.4	
	575/1/60**	0.6		0.6		0.6		1.2		1.2		1.2	
Motor Speed		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Maximum FPM at Nozzle		1904	1748	1904	1748	1904	1748	1904	1748	1904	1748	1904	1748
Average FPM		1570	1408	1346	1207	1178	1056	1413	1268	1570	1408	1570	1408
Maximum CFM		1309	1202	1527	1402	1745	1603	2332	2254	2618	2404	3054	2804
CFM at Nozzle		1005	961	1079	968	1094	983	1620	1453	2159	1936	2093	1896
Outlet Velocity Uniformity		95%		93%		92%		95%		95%		93%	
Unheated Weight (lbs)		83		90		97		140		162		182	
Heater kW		10		10		10		15		20		20	
Temperature Rise		29°	33°	29°	33°	29°	33°	29°	33°	29°	33°	29°	33°
Electric Heater Amp Draw*	208/1/60	49.4		49.4		49.4		N/A		N/A		N/A	
	240/1/60	43.1		43.1		43.1		N/A		N/A		N/A	
	208/3/60	29.2		29.2		29.2		44.4		58.4		58.4	
	240/3/60	25.5		25.5		25.5		38.9		51		51	
	480/3/60	12.7		12.7		12.7		19.4		25.6		25.6	
Heated Weight (lbs)		88		95		102		150		172		192	

* More than one power supply may be required. **Transformed to 120v. †Not Available as an E-CFD



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-CFD-36-1	37"	36"	37.0625"	15"	15.375"
S-CFD-42-1	43"	42"	42.0625"	15"	15.375"
S-CFD-48-1	49"	48"	48.0625"	15"	15.375"
S-CFD-60-2	61"	60"	60.0625"	15"	15.375"
S-CFD-72-2	73"	72"	72.065"	15"	15.375"
S-CFD-84-2	85"	84"	84.0625"	15"	15.375"
S-CFD-96-2	97"	96"	96.0625"	15"	15.375"
S-CFD-108-3	109"	108"	108.0625"	15"	15.375"
S-CFD-120-3	119"	1185"	118.0625"	15"	15.375"
S-CFD-132-3	134"	133"	133.0625"	15"	15.375"
S-CFD-144-4	146"	145"	145.065"	15"	15.375"



BENEFITS

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

RECOMMENDED ACCESSORIES

- Door Switch
- High / Low Speed Switch
(remote mount)
- Time Delay

MODEL	S-CFD-96-2‡		S-CFD-108-3‡		S-CFD-120-3‡		S-CFD-132-3‡		S-CFD-144-4‡	
Nozzle Width	96"		108"		118"		133"		145"	
Number of Motors	2		3		3		3		4	
Horsepower per Motor	½		½		½		½		½	
Amp Draw	120/1/60		5		7.5		7.5		10	
	208/1/60 or 230/1/60		2.8		4.2		4.2		5.6	
	480/1/60		1.4		2.1		2.1		2.8	
	575/1/60		1.2		1.8		1.8		1.8	
Motor Speed	High	Low	High	Low	High	Low	High	Low	High	Low
Maximum FPM at Nozzle	1904	1748	1904	1748	1904	1748	1904	1748	1904	1748
Average FPM at Nozzle	1178	1056	1570	1408	1421	1274	1778	1056	1570	1408
Maximum CFM	3490	3204	3928	3606	4364	4006	4950	4658	5236	4808
CFM at Nozzle	2170	1942	3239	2905	3230	2900	3247	2912	4318	3872
Outlet Velocity Uniformity	92%		92%		95%		95%		95%	
Unheated Weight (lbs)	196		239		267		276		324	
Heater kW	20		30		30		30		30	
Temperature Rise	29°	33°	29°	33°	29°	33°	29°	33°	29°	33°
Electric Heater Amp Draw*	208/1/60		N/A		N/A		N/A		N/A	
	240/1/60		N/A		N/A		N/A		N/A	
	208/3/60		58.4		87.4		87.4		87.4	
	240/3/60		51		76.4		76.4		76.4	
	480/3/60		25.6		38.2		38.2		38.2	
Heated Weight (lbs)	206		244		272		285		344	

IBD: INSECT BACK DOOR

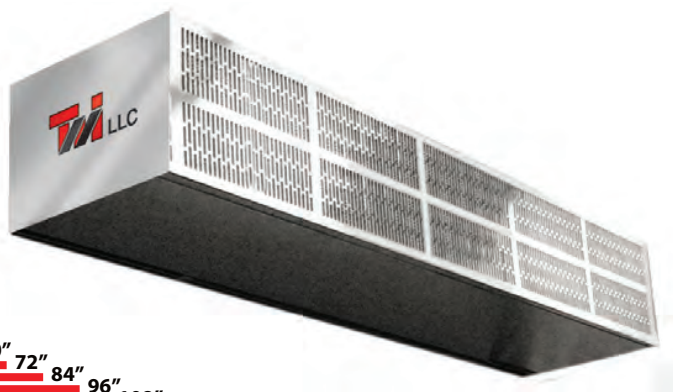


E-IBD Unit Pictured

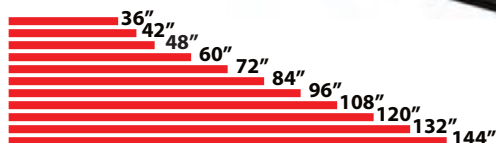
PERFECT FOR

- Foodservice Doors
- Hotel and Casino Entrances
- Body shop Bays
- Paint Booths
- Retail and Commercial Doors

CLIMATE, ENVIRONMENTAL AND INSECT CONTROL FOR OPENINGS UP TO 10' (120") HIGH



SIZES

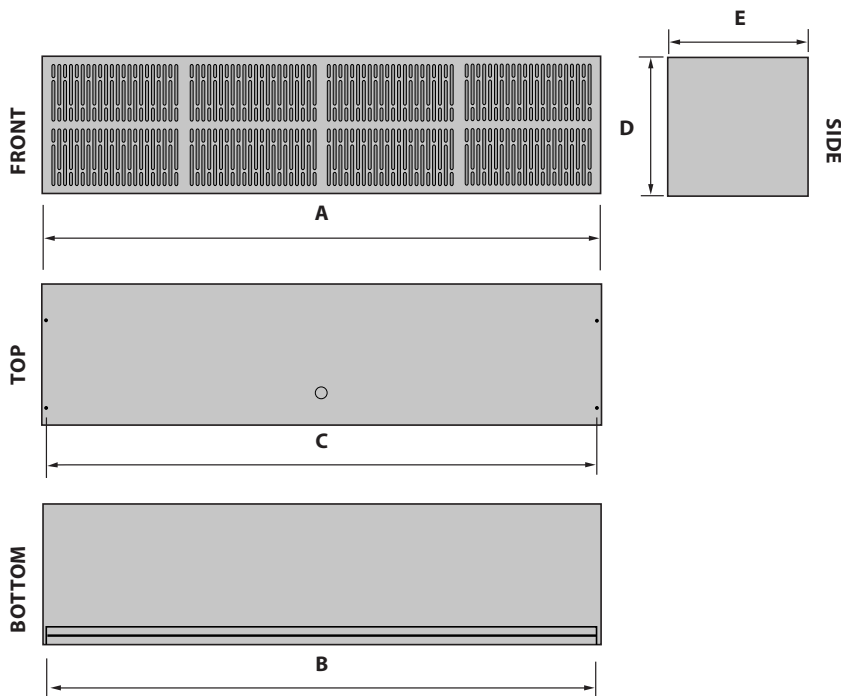


FEATURES

- ¾ Horsepower motors
- Aluminized steel or stainless steel single-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (63 dBA)
- Single-phase or three-phase power
- Two-year parts warranty
- Electric, hot water or steam heat optional
- Available economy option replaces front intake grill with front intake filter (E-IBD)

MODEL		S-IBD-36-1	S-IBD-42-1	S-IBD-48-1	S-IBD-60-2	S-IBD-72-2	S-IBD-84-2‡
Nozzle Width		36"	42"	48"	60"	72"	84"
Number of Motors		1	1	1	2	2	2
Horsepower per Motor		¾	¾	¾	¾	¾	¾
Amp Draw	120/1/60	8.0	8.0	8.0	16.0	16.0	16.0
	208/1/60 or 230/1/60	3.6	3.6	3.6	7.2	7.2	7.2
	480/1/60	2.0	2.0	2.0	4.0	4.0	4.0
	575/1/60	1.5	1.5	1.5	3.0	3.0	3.0
Maximum FPM at Nozzle		4218	4218	4218	4218	4218	4218
Average FPM		3695	3169	2771	3315	3696	3169
Maximum CFM		2899	3384	3867	5050	5803	6766
CFM at Nozzle		2541	2532	2559	3812	5082	5063
Outlet Velocity Uniformity		95%	93%	92%	95%	95%	93%
Weight (lbs)		90	97	104	147	169	187

* More than one power supply may be required. ‡ Not available as an E-IBD unit.



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-IBD-36-1	37"	36"	36.0625"	15"	15.375"
S-IBD-42-1	43"	42"	42.0625"	15"	15.375"
S-IBD-48-1	49"	48"	48.0625"	15"	15.375"
S-IBD-60-2	61"	60"	60.0625"	15"	15.375"
S-IBD-72-2	73"	72"	72.0625"	15"	15.375"
S-IBD-84-2	85"	84"	84.0625"	15"	15.375"
S-IBD-96-2	97"	96"	96.0625"	15"	15.375"
S-IBD-108-3	109"	108"	108.0625"	15"	15.375"
S-IBD-120-3	119"	118"	118.0625"	15"	15.375"
S-IBD-132-3	134"	133"	133.0625"	15"	15.375"
S-IBD-144-4	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 comfort
- Stops outside drafts, flying insects and airborne pollutants
- Increased visibility—no physical barrier in the opening
- Optional supplemental heat increases comfort

NOTE

All Air Curtains are designed to be mounted inside as standard. If used strictly for insect control, the IBD can be mounted outside if optional motors covers are supplied.

RECOMMENDED ACCESSORIES

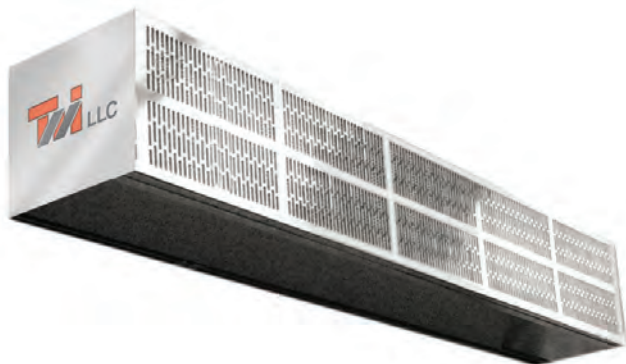
- Door Switch
- Hand / Off / Auto Switch
(remote mount)

MODEL	S-IBD-96-2‡	S-IBD-108-3‡	S-IBD-120-3‡	S-IBD-132-3‡	S-IBD-144-4‡
Nozzle Width	96"	108"	118"	133"	145"
Number of Motors	2	3	3	3	4
Horsepower per Motor	¾	¾	¾	¾	¾
Amp Draw	120/1/60	16.0	24.0	24.0	32.0
	208/1/60 or 230/1/60	7.2	10.8	10.8	14.4
	480/1/60	4.0	6.0	6.0	8
	575/1/60	3.0	4.5	4.5	6
Maximum FPM at Nozzle	4218	4218	4218	4218	4218
Average FPM	2773	3702	3174	2792	3969
Maximum CFM	7732	8702	9668	10853	11606
CFM at Nozzle	5081	7623	7614	7589	10164
Outlet Velocity Uniformity	92%	95%	94%	95%	95%
Weight	203	245	274	290	338

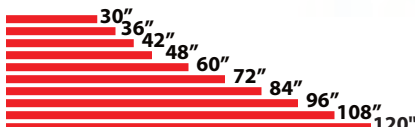
LP: LOW PROFILE



FOR ENVIRONMENTAL CONTROL AND PERSONNEL COMFORT FOR OPENINGS UP TO 10' (120") HIGH



SIZES



PERFECT FOR

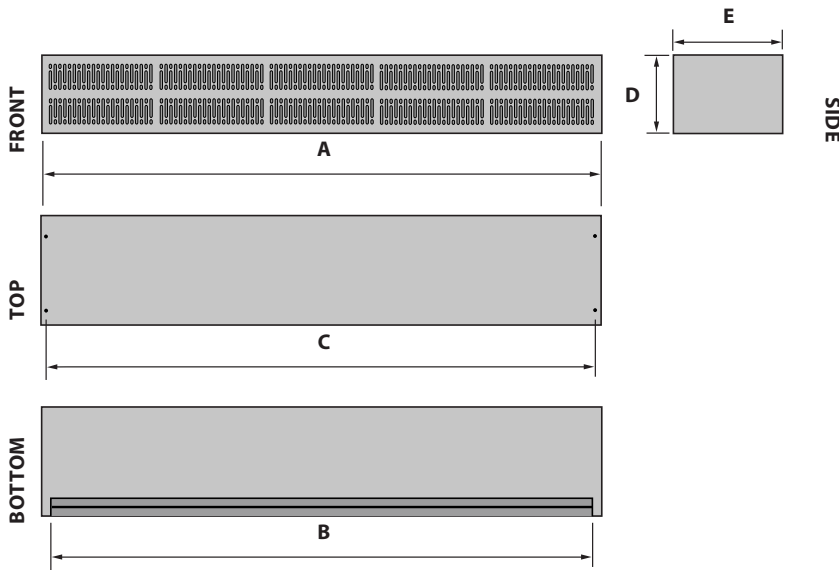
- Drive-Through Windows
- Concession Stands
- Patios and Smoking Areas
- Office Entrances
- Inter-Office Separation
- Hospital Entrances and Hallways
- Retail and Commercial Doors
- Foodservice Doors
- Walk-In Coolers
- Hotel and Casino Entrances

FEATURES

- $\frac{1}{5}$ Horsepower, variable-speed motors
- Stainless steel, single-piece construction
- Low profile design: Only 8.5" high
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (53 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)
- Includes threaded inserts for top mounting

MODEL		S-LP-30-1	S-LP-36-1	S-LP-42-1	S-LP-48-1	S-LP-60-1	S-LP-72-2
Nozzle Width		29"	35"	41"	47"	59"	71"
Number of Motors		1	1	1	1	1	2
Horsepower per Motor		$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
Amp Draw	120/1/60	4.4	4.4	4.4	4.4	4.4	8.8
	208/1/60 or 230/1/60	2.0	2.0	2.0	2.0	2.0	4.0
	480/1/60	1.1	1.1	1.1	1.1	1.1	2.2
	575/1/60**	0.9	0.9	0.9	0.9	0.9	1.8
Maximum FPM at Nozzle		3050	3050	3050	3050	3050	3050
Average FPM		2045	2142	2086	2045	1928	2142
CFM at Nozzle		897	1178	1339	1500	1767	2356
Outlet Velocity Uniformity		92%	95%	95%	92%	92%	95%
Unheated Weight (lbs)		42	53	60	67	85	94
Heater kW		8	8	8	16	16	16
Temperature Rise		24°	22°	20°	33°	29°	22°
Electric Heater Amp Draw*	208/1/60	40.5	40.5	40.5	N/A	N/A	N/A
	240/1/60	35.3	35.3	35.3	N/A	N/A	N/A
	208/3/60	24.2	24.2	24.2	46.4	46.4	46.4
	240/3/60	21.2	21.2	21.2	40.5	40.5	42.5
	480/3/60	10.7	10.7	10.7	20.3	20.3	21.4
Heated Weight (lbs)		47	59	69	77	91	102

**Transformed to 120v.



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-LP-30-1	31"	29"	30"	8.5"	13.5"
S-LP-36-1	37"	35"	36"	8.5"	13.5"
S-LP-42-1	43"	41"	42"	8.5"	13.5"
S-LP-48-1	49"	47"	48"	8.5"	13.5"
S-LP-60-1	61"	59"	60"	8.5"	13.5"
S-LP-72-2	73"	71"	72"	8.5"	13.5"
S-LP-84-2	85"	83"	84"	8.5"	13.5"
S-LP-96-2	97"	95"	96"	8.5"	13.5"
S-LP-108-2	109"	107"	108"	8.5"	13.5"
S-LP-120-2	119"	117"	118"	8.5"	13.5"



BENEFITS

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

RECOMMENDED ACCESSORIES

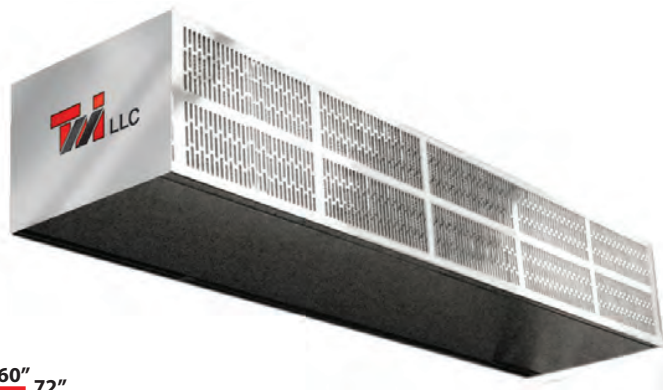
- Variable Speed On / Off Switch
(built-in or remote mount)
- Door Switch
- Time Delay

MODEL	S-LP-84-2	S-LP-96-2	S-LP-108-2	S-LP-120-2	
Nozzle Width	83"	95"	107"	119"	
Number of Motors	2	2	2	2	
Horsepower per Motor	1/5	1/5	1/5	1/5	
Amp Draw	120/1/60	8.8	8.8	8.8	
	208/1/60 or 230/1/60	4.0	4.0	4.0	
	480/1/60	2.2	2.2	2.2	
	575/1/60	1.8	1.8	1.8	
Maximum FPM at Nozzle	3050	3050	3050	3050	
Average FPM at Nozzle	2087	2045	2142	2103	
CFM at Nozzle	2678	3005	3534	3856	
Outlet Velocity Uniformity	95%	95%	95%	95%	
Unheated Weight	105	114	130	141	
Heater kW	24	32	32	32	
Temperature Rise	29°	33°	29°	27°	
Electric Heater Amp Draw*	208/1/60	N/A	N/A	N/A	
	240/1/60	N/A	N/A	N/A	
	208/3/60	70.6	40.6	90.6	90.6
	240/3/60	61.7	81	81	81
	480/3/60	31.1	40.7	40.7	40.7
Heated Weight	115	123	139	152	

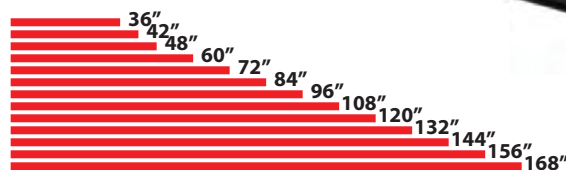
* More than one power supply may be required.



CLIMATE AND ENVIRONMENTAL CONTROL FOR OPENINGS UP TO 12' (144") HIGH AND INSECT CONTROL UP TO 10' (120") HIGH



SIZES



PERFECT FOR

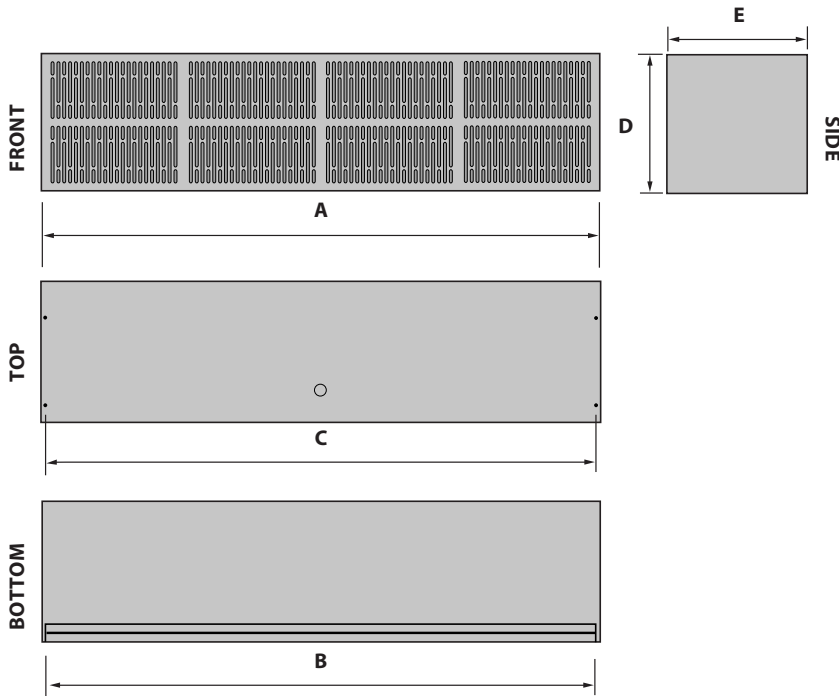
- Loading Docks
- Shipping and Receiving Doors
- Internal Warehouse Openings
- Distribution Center Docks
- Bodyshop Bays
- Conveyor Openings
- Cold Storage Entrances

FEATURES

- ¾ Horsepower, two-speed motors
- Stainless steel single-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (56 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)

MODEL		S-LI-36-1		S-LI-42-1		S-LI-48-1		S-LI-60-2		S-LI-72-2		S-LI-84-2		S-LI-96-2	
Nozzle Width		36"		42"		48"		60"		72"		84"		96"	
Number of Motors		1		1		1		2		2		2		2	
Horsepower per Motor		¾		¾		¾		¾		¾		¾		¾	
Amp Draw	120/1/60	8.0		8.0		8.0		16.0		16.0		16.0		16.0	
	208/1/60 or 230/1/60	3.6		3.6		3.6		7.2		7.2		7.2		7.2	
	480/1/60	2.0		2.0		2.0		4.0		4.0		4.0		4.0	
	575/1/60	1.5		1.5		1.5		3.0		3.0		3.0		3.0	
Motor Speed		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Maximum FPM at Nozzle		4218	2837	4218	2837	4218	2837	4218	2837	4218	2837	4218	2837	4218	2837
Average FPM		3695	2487	3169	2133	2771	1865	3315	2231	3696	2488	3169	2133	2773	1866
Maximum CFM		2899	1950	3384	2276	3867	2601	5050	3252	5803	3903	6766	4551	7732	5201
CFM at Nozzle		2541	1710	2532	1696	2559	1721	3812	2565	5082	3420	5063	3382	8081	3417
Outlet Velocity Uniformity		95%		93%		92%		94%		95%		93%		92%	
Unheated Weight		90		97		104		147		169		187		203	
Heater kW		10		10		10		15		20		20		20	
Temperature Rise		13°	19°	13°	19°	13°	19°	13°	19°	13°	19°	13°	19°	13°	19°
Electric Heater Amp Draw*	208/1/60	51.6		51.6		51.6		N/A		N/A		N/A		N/A	
	240/1/60	45.3		45.3		45.3		N/A		N/A		N/A		N/A	
	208/3/60	31.4		31.4		31.4		47		62.7		62.7		62.7	
	240/3/60	27.2		27.2		27.2		41.55		55.4		55.4		55.4	
	480/3/60	14		14		14		21.07		28.1		28.1		28.1	
Heated Weight		95		102		109		155		177		195		210	

* More than one power supply may be required.



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-LI-36-1	37"	36"	36.0625"	15"	15.375"
S-LI-42-1	43"	42"	42.0625"	15"	15.375"
S-LI-48-1	49"	48"	48.0625"	15"	15.375"
S-LI-60-2	61"	60"	60.0625"	15"	15.375"
S-LI-72-2	73"	72"	72.0625"	15"	15.375"
S-LI-84-2	85"	84"	84.0625"	15"	15.375"
S-LI-96-2	97"	96"	96.0625"	15"	15.375"
S-LI-108-3	109"	108"	108.0625"	15"	15.375"
S-LI-120-3	119"	118"	120.0625"	15"	15.375"
S-LI-132-3	134"	133"	133.0625"	15"	15.375"
S-LI-144-4	146"	145"	145.0625"	15"	15.375"
S-LI-156-4	158"	157"	157.0600"	15"	15.375"
S-LI-168-4	170"	169"	169.0600"	15"	15.375"



BENEFITS

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

RECOMMENDED ACCESSORIES

- High / Low / Off Switch
(built-in or remote mount)
- Door Switch
- Hand / Off / Auto Switch
(remote mount)

MODEL	S-LI-108-3		S-LI-120-3		S-LI-132-3		S-LI-144-4		S-LI-156-4		S-LI-168-4	
Nozzle Width	108"		118"		133"		145"		157"		169"	
Number of Motors	3		3		3		4		4		4	
Horsepower per Motor	¾		¾		¾		¾		¾		¾	
Amp Draw	120/1/60	24.0	24.0	24.0	24.0	24.0	32.0	32.0	32.0	32.0	32.0	32.0
	208/1/60 or 230/1/60	10.8	10.8	10.8	10.8	10.8	14.4	14.4	14.4	14.4	14.4	14.4
	480/1/60	6.0	6.0	6.0	6.0	6.0	8	8	8	8	8	8
	575/1/60	4.5	4.5	4.5	4.5	4.5	6	6	6	6	6	6
Motor Speed	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Maximum FPM at Nozzle	4218	2837	4218	2837	4218	2837	4218	2837	4218	2837	4218	2837
Average FPM	3702	2486	3174	2134	2792	1885	3696	2488	3412	2297	3169	2133
Maximum CFM	8702	5853	9668	6503	10853	7155	11606	7806	12569	8454	13532	9102
CFM at Nozzle	7623	5130	7614	5127	7589	5104	10164	6840	10145	6802	10126	6764
Outlet Velocity Uniformity	95%		94%		94%		95%		93%		92%	
Unheated Weight	245		274		290		338		356		374	
Heater kW	30		30		30		40		40		40	
Temperature Rise	13°	19°	13°	19°	13°	19°	13°	19°	13°	19°	13°	19°
Electric Heater Amp Draw*	208/1/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	240/1/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	208/3/60	94	94	94	94	94	94	94	94	94	94	94
	240/3/60	83	83	83	83	83	83	83	83	83	83	83
	480/3/60	42	42	42	42	42	42	52	52	52	52	52
Heated Weight	255		284		301		354		366		384	

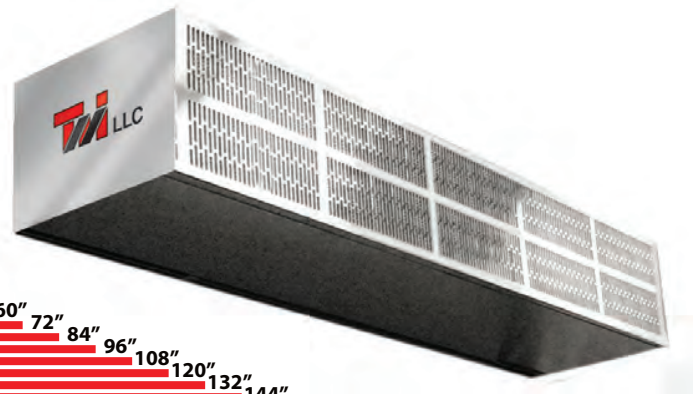
For larger sizes, please contact TMI.

Call: **800.888.9750** Online: **tmi-pvc.com**

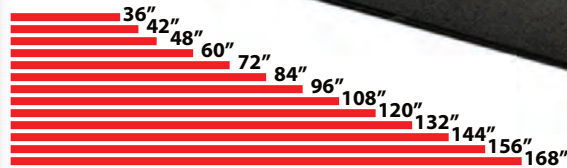
MI: MEDIUM INDUSTRIAL



CLIMATE AND ENVIRONMENTAL CONTROL FOR OPENINGS UP TO 14' (168") HIGH AND FOR INSECT CONTROL UP TO 12' (144") HIGH



SIZES



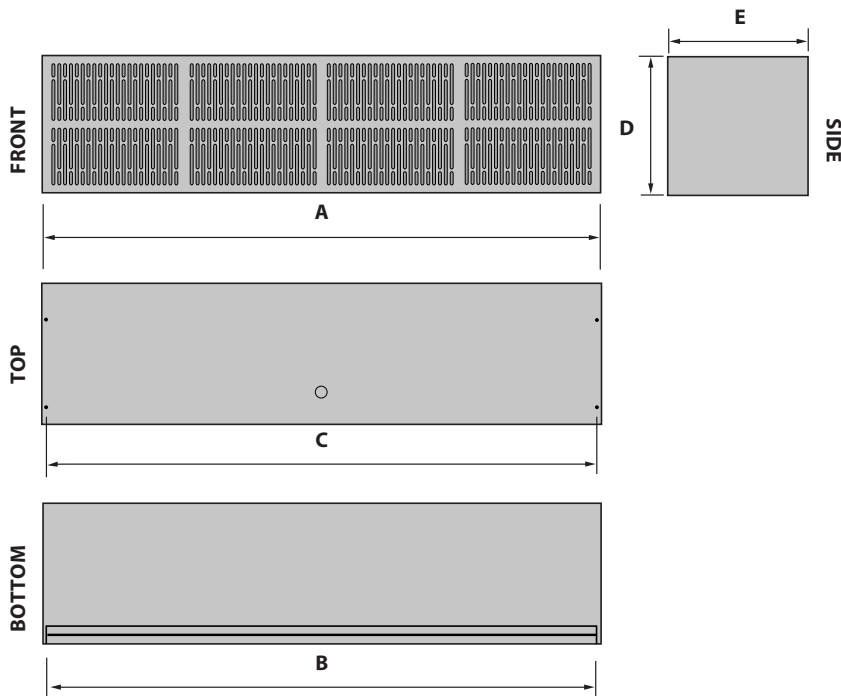
PERFECT FOR

- Loading Docks
- Shipping and Receiving Doors
- Internal Warehouse Openings
- Distribution Center Docks
- Bodyshop Bays
- Paint Booths
- Car Washes
- Conveyor Openings
- Cold Storage Entrances
- Walk-In Coolers
- Industrial Ovens

FEATURES

- 1 Horsepower motors
- Stainless steel single-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (64 dBA)
- Electric, hot water, steam and indirect gas heat optional
- Single-phase or three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

MODEL		S-MI-36-1	S-MI-42-1	S-MI-48-1	S-MI-60-1	S-MI-60-2	S-MI-72-2	S-MI-84-2
Nozzle Width		36"	42"	48"	60"	60"	72"	84"
Number of Motors		1	1	1	1	2	2	2
Horsepower per Motor		1	1	1	1	1	1	1
Amp Draw	120/1/60	9.3	9.3	9.3	9.3	18.6	18.6	18.6
	208/1/60 or 230/1/60	4.2	4.2	4.2	4.2	8.4	8.4	8.4
	480/1/60	2.4	2.4	2.4	2.4	4.8	4.8	4.8
	575/1/60	1.8	1.8	1.8	1.8	3.6	3.6	3.6
Maximum FPM at Nozzle		5000	5000	5000	5000	5000	5000	5000
Average FPM		4450	3815	3340	2675	3995	4445	3825
Max CFM		3065	3065	3065	3065	5375	7165	7165
CFM at Nozzle		3500	4075	4665	5275	6090	6990	8160
Outlet Velocity Uniformity		95%	93%	92%	91%	94%	95%	93%
Weight (lbs)		120	125	130	140	170	195	210



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-MI-36-1	37"	36"	36.0625"	15"	15.375"
S-MI-42-1	43"	42"	42.0625"	15"	15.375"
S-MI-48-1	49"	48"	48.0625"	15"	15.375"
S-MI-60-2	61"	60"	60.0625"	15"	15.375"
S-MI-72-2	73"	72"	72.0625"	15"	15.375"
S-MI-84-2	85"	84"	84.0625"	15"	15.375"
S-MI-96-2	97"	96"	96.0625"	15"	15.375"
S-MI-108-3	109"	108"	108.0625"	15"	15.375"
S-MI-120-3	119"	118"	120.0625"	15"	15.375"
S-MI-132-3	134"	133"	133.0625"	15"	15.375"
S-MI-144-4	146"	145"	145.0625"	15"	15.375"
S-MI-156-4	158"	157"	157.0600"	15"	15.375"
S-MI-168-4	170"	169"	169.0600"	15"	15.375"



BENEFITS

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

RECOMMENDED ACCESSORIES

- Door Switch
- Hand / Off / Auto Switch
(remote mount)

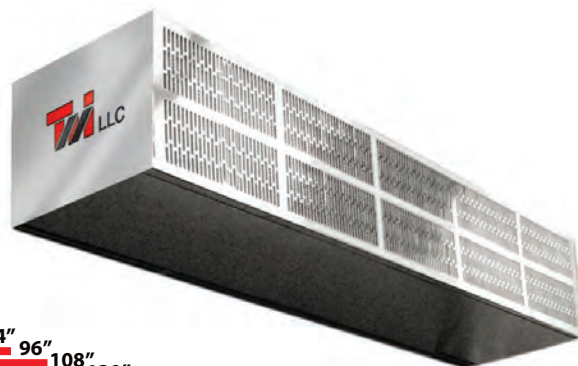
	S-MI-96-2	S-LI-108-3	S-MI-120-3	S-MI-132-3	S-MI-144-4	S-MI-156-4	S-MI-168-4
Nozzle Width	96"	108"	118"	133"	145"	157"	169"
Number of Motors	2	3	3	3	4	4	4
Horsepower per Motor	1	1	1	1	1	1	1
Amp Draw	120/1/60	18.6	27.9	27.9	37.2	37.2	37.2
	208/1/60 or 230/1/60	8.4	12.6	12.6	16.8	16.8	16.8
	480/1/60	4.8	7.2	7.2	9.6	9.6	9.6
	575/1/60	3.6	5.4	5.4	7.2	7.2	7.2
Maximum FEM at Nozzle	5000	5000	5000	5000	5000	5000	5000
Average FPM	3345	4460	3830	3375	4460	7165	7695
Max CFM	7165	10750	10750	10750	14335	15150	16320
CFM at Nozzle	9325	10500	11675	13075	13990	14330	14330
Outlet Velocity Uniformity	92%	95%	94%	94%	95%	93%	92%
Weight (lbs)	230	275	300	325	360	370	380

For larger sizes, please contact TMI.

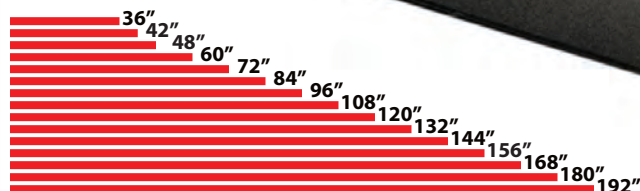
HD: HEAVY DUTY INDUSTRIAL



CLIMATE AND ENVIRONMENTAL CONTROL FOR OPENINGS UP TO 16' (192") HIGH AND INSECT CONTROL UP TO 14' (168") HIGH



SIZES



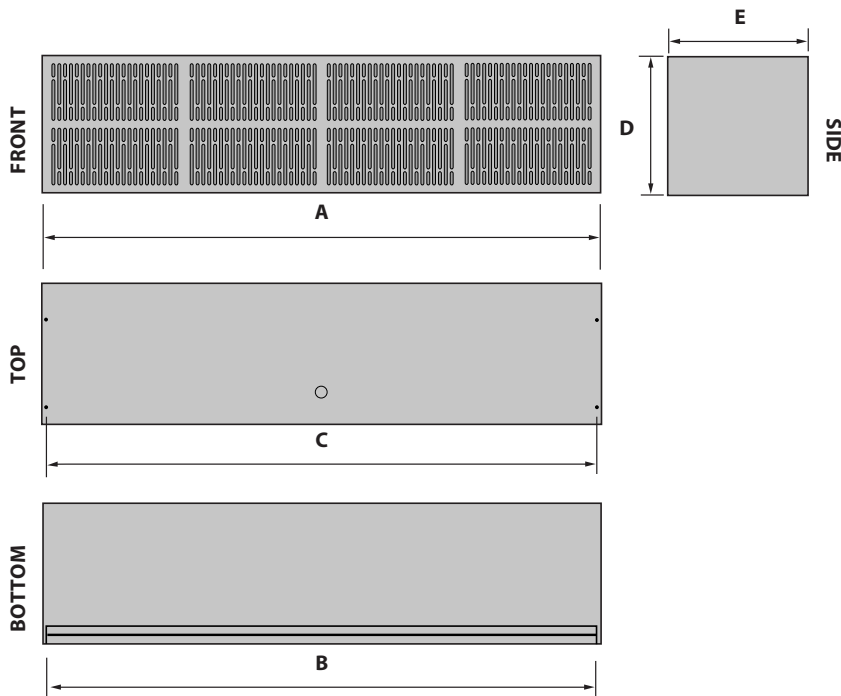
PERFECT FOR

- Loading Docks
- Shipping and Receiving Doors
- Internal Warehouse Openings
- Bodyshop Bays
- Paint Booths

FEATURES

- 1½ Horsepower motors
- Stainless steel single-piece construction
- Unmatched air flow uniformity
- Optional filters for improved air quality
- Low noise levels (66 dBA)
- Electric, hot water, steam and indirect gas heat optional
- Three-phase power
- Two-year parts warranty for unheated units (18 months for heated units)

MODEL		S-HD-36-1	S-HD-48-1	S-HD-60-1	S-HD-72-2	S-HD-84-2	S-HD-96-2
Nozzle Width		36"	48"	60"	72"	84"	96"
Number of Motors		1	1	1	2	2	2
Horsepower per Motor		1½	1½	1½	1½	1½	1½
Amp Draw	208/3/60	4.8	4.8	4.8	9.6	9.6	9.6
	230/3/60	4.8	4.8	4.8	9.6	9.6	9.6
	460/3/60	2.6	2.6	2.6	5.2	5.2	5.2
	575/3/60	1.9	1.9	1.9	3.8	3.8	3.8
Maximum FPM at Nozzle		4800	4800	4800	4800	4800	4800
Average FPM		4047	3048	2478	4047	3476	3048
Maximum CFM at Nozzle		4214	4232	4301	8246	8445	8463
Average CFM		3541	3556	3614	7082	7097	7112
Outlet Velocity Uniformity		95%	93%	92%	95%	93%	92%
Weight (lbs)		120	155	190	260	290	320



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH	D: HEIGHT	E: LENGTH
S-HD-36-1	39"	36"	37.5"	16.75"	21.25"
S-HD-48-1	51"	48"	49.5"	16.75"	21.25"
S-HD-60-1	63"	60"	61.5"	16.75"	21.25"
S-HD-72-2	75.07"	72.07"	73.57"	16.75"	21.25"
S-HD-84-2	87.07"	84.07"	85.57"	16.75"	21.25"
S-HD-96-2	99.07"	96.07"	97.57"	16.75"	21.25"
S-HD-108-3	111.15"	108.15"	109.65"	16.75"	21.25"
S-HD-120-3	123.15"	120.15"	121.65"	16.75"	21.25"
S-HD-132-3	135.15"	132.15"	133.65"	16.75"	21.25"
S-HD-144-4	147.22"	144.22"	145.72"	16.75"	21.25"
S-HD-156-4	159.22"	156.22"	157.72"	16.75"	21.25"
S-HD-168-4	171.22"	168.22"	169.72"	16.75"	21.25"



BENEFITS

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

RECOMMENDED ACCESSORIES

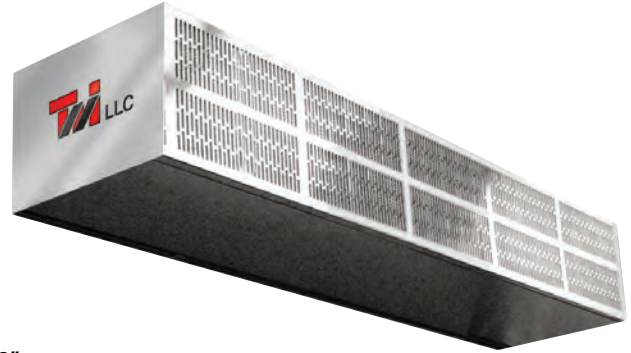
- Door Switch
- Hand / Off / Auto Switch
(remote mount)

MODEL		S-HD-108-3	S-HD-120-3	S-HD-132-3	S-HD-144-4	S-HD-156-4	S-HD-168-4
Nozzle Width		108"	120"	132"	144"	156"	168"
Number of Motors		3	3	3	4	4	4
Horsepower per Motor		1½	1½	1½	1½	1½	1½
Amp Draw	208/3/60	14.4	14.4	14.4	19.2	19.2	19.2
	230/3/60	14.4	14.4	14.4	19.2	19.2	19.2
	460/3/60	7.8	7.8	7.8	10.4	10.4	10.4
	575/3/60	5.7	5.7	5.7	7.6	7.6	7.6
Maximum FPM at Nozzle		4800	4800	4800	4800	4800	4800
Average FPM		4046	3647	3320	4047	3740	3476
Maximum CFM at Nozzle		12641	12659	12677	16855	16873	16891
Average CFM		10623	10638	10653	14164	14179	14194
Outlet Velocity Uniformity		95%	94%	95%	95%	94%	95%
Weight (lbs)		380	420	490	510	525	535

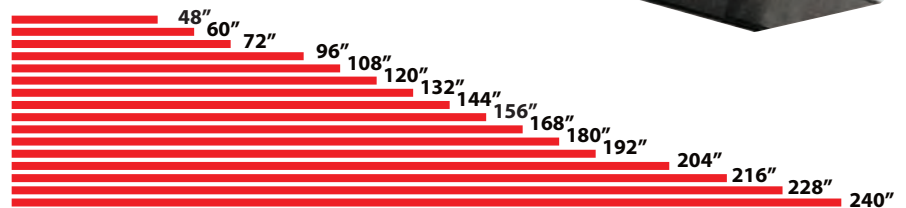
For larger sizes, please contact TMI.

XHD: EXTRA HEAVY DUTY INDUSTRIAL

ENVIRONMENTAL CONTROL FOR OPENINGS UP TO 20' (240") HIGH AND INSECT CONTROL FOR OPENINGS UP TO 18' (216") HIGH



SIZES



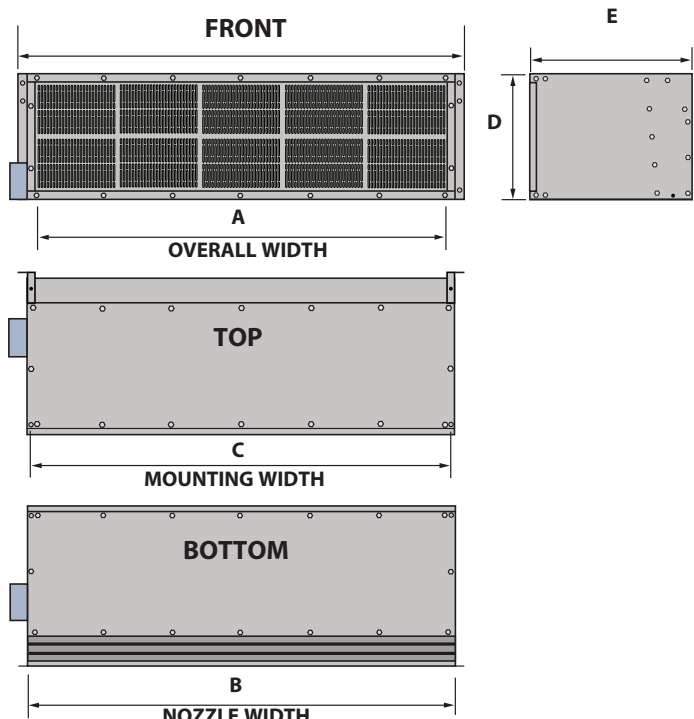
PERFECT FOR

- Loading Docks
- Shipping and Receiving Doors
- Internal Warehouse Openings
- Bodyshop Bays
- Paint Booths
- Distribution Center Docks

FEATURES

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

MODEL		S-XHD-48-1	S-XHD-60-1	S-XHD-72-1	S-XHD-96-2	S-XHD-108-2	S-XHD-120-2	S-XHD-132-2	S-XHD-144-2
Nozzle Width		48"	60"	72"	84"	108"	120"	132"	144"
Number of Motors		1	1	1	2	2	2	2	2
Horsepower		5	5	5	5	5	5	5	5
Amp Draw	208/3/60	17	17	17	34	34	34	34	34
	230/3/60	15.8	15.8	15.8	31.6	31.6	31.6	31.6	31.6
	460/3/60	7.9	7.9	7.9	15.8	15.8	15.8	15.8	15.8
	575/3/60	6.3	6.3	6.3	12.6	12.6	12.6	12.6	12.6
Maximum FPM at Nozzle		6572	6572	6572	6572	6572	6572	6572	6572
Average FPM		5499	4358	5128	4842	4600	4358	4842	4842
Maximum CFM at Nozzle		6994	9924	12854	15926	17888	19848	21291	23891
Average CFM		6305	7480	9256	12977	13769	15750	16120	19168
Outlet Velocity Uniformity		95%	94%	94%	95%	94%	94%	95%	95%
Weight (lbs)		387	420	440	748	781	814	834	854



MODEL	A: OVERALL WIDTH	B: NOZZLE WIDTH	C: MOUNTING WIDTH TOP	D: MOUNTING WIDTH REAR	D: HEIGHT	E: LENGTH
S-XHD-48-1	51"	48"	47"	49.5	21"	27.25"
S-XHD-60-1	63"	60"	59"	61.5	21"	27.25"
S-XHD-72-1	75"	72"	71"	73.5	21"	27.25"
S-XHD-96-2	99.12"	96.12"	95.12"	97.62	21"	27.25"
S-XHD-108-2	111.12"	108.12"	107.12"	109.62	21"	27.25"
S-XHD-120-2	123.12"	120.12"	119.12"	121.62	21"	27.25"
S-XHD-132-2	135.12"	132.12"	131.12"	133.62	21"	27.25"
S-XHD-144-2	147.12"	144.14"	143.14"	145.62	21"	27.25"
S-XHD-156-3	159.24"	156.24"	155.24"	157.74	21"	27.25"
S-XHD-168-3	171.24"	168.24"	167.24"	169.74	21"	27.25"
S-XHD-180-3	183.24"	180.24"	179.24"	181.74	21"	27.25"
S-XHD-192-3	195.24"	192.24"	191.24"	193.74	21"	27.25"
S-XHD-204-3	207.24"	204.24"	205.24"	205.74	21"	27.25"
S-XHD-216-3	219.24"	216.24"	215.24"	217.74	21"	27.25"
S-XHD-228-4	231.36"	228.86"	227.36"	229.86	21"	27.25"
S-XHD-240-4	243.36"	240.36"	239.36"	241.86	21"	27.25"



BENEFITS

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

RECOMMENDED ACCESSORIES

- Door Switch
- Hand / Off / Auto Switch
(remote mount)

MODEL		S-XHD-156-3	S-XHD-168-3	S-XHD-180-3	S-XHD-192-3	S-XHD-204-3	S-XHD-216-3	S-XHD-228-4	S-XHD-240-4
Nozzle Width		156"	168"	180"	192"	204	216	228	240
Number of Motors		3	3	3	3	3	3	4	4
Horsepower		5	5	5	5	5	5	5	5
Amp Draw	208/3/60	51	51	51	51	51	51	68	68
	230/3/60	47.4	47.4	47.4	47.4	47.4	47.4	63.2	63.2
	460/3/60	23.7	23.7	23.7	23.7	23.7	23.7	31.6	31.6
	575/3/60**	18.9	18.9	18.9	18.9	18.9	18.9	25.2	25.2
Maximum FPM at Nozzle		6572	6572	6572	6572	6572	6572	6572	6572
Average FPM		4681	4520	4358	4842	4358	4600	4842	4358
Maximum CFM at Nozzle		25850	27812	29772	30355	31114	31850	37736	39696
Average CFM		20257	22825	23004	23335	23400	24570	28329	29120
Outlet Velocity Uniformity		94%	94%	94%	95%	94%	95%	94%	95%
Weight (lbs)		1145	1180	1210	1227	1248	1268	1615	1645

For larger sizes, please contact TMI.

OPTIONAL EQUIPMENT AND ACCESSORIES

CONTROL PANELS: NEMA 4

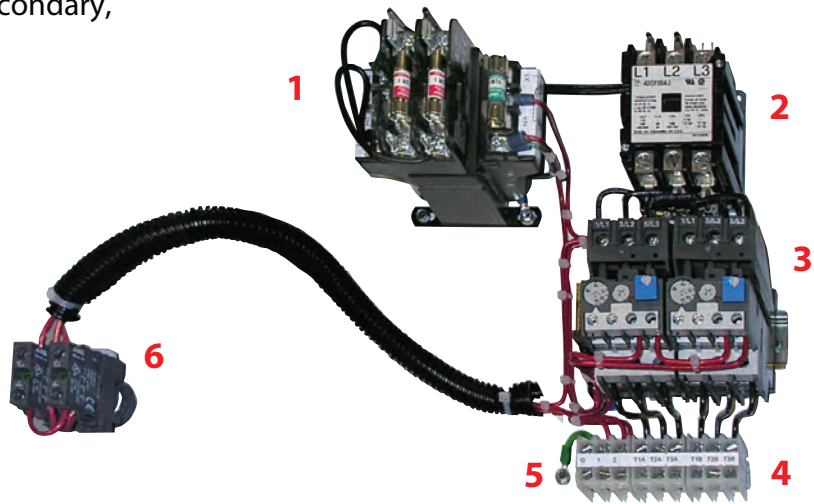
To minimize field wiring, *SAVE-T* Air Curtains can be ordered with a pre-mounted control panel, located on either side of the housing. Due to space restrictions, remote-mounted control panels may be optional. Wires from each motor are run to a single junction box, eliminating the need for field motor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



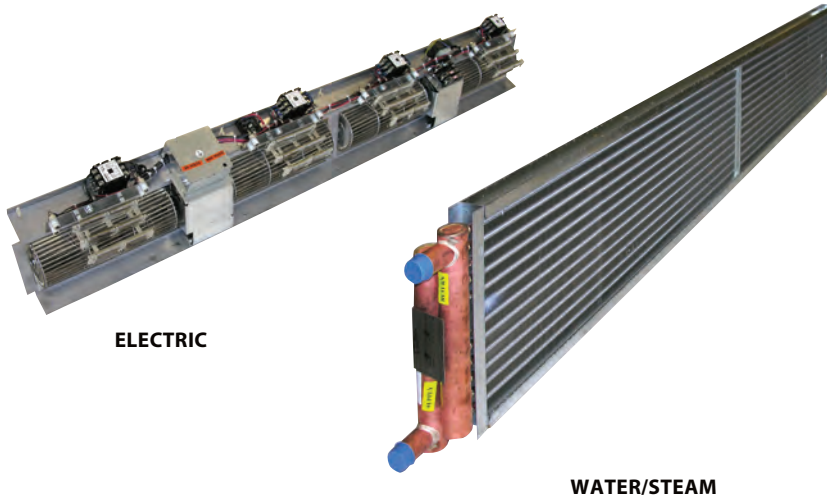
Motor control panels include the following components:

- 1 Transformer with fused primary and secondary, providing 120 volts for control circuit
- 2 Three-phase connector
- 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)



HEATERS

Most *SAVE-T* Air Curtains have the option of an integral heater. Electric, hot water, steam and indirect gas-fired heaters (model dependent) warm the intake air, improving comfort for employees and customers.



ELECTRIC

WATER/STEAM



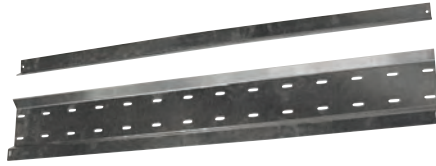
INDIRECT GAS-FIRED

MOUNTING BRACKETS AND PLATES



WALL BRACKETS

Wall brackets are used when the unit must clear obstacles or when a security door travels between the wall and air curtain.



WALL MOUNTING PLATE*

A base plate, securely attached to wall studs, mates to a small bar attached to the air curtain. This allows the unit to be hung quickly.

**AP, CFD, IBD, LI and MI models*

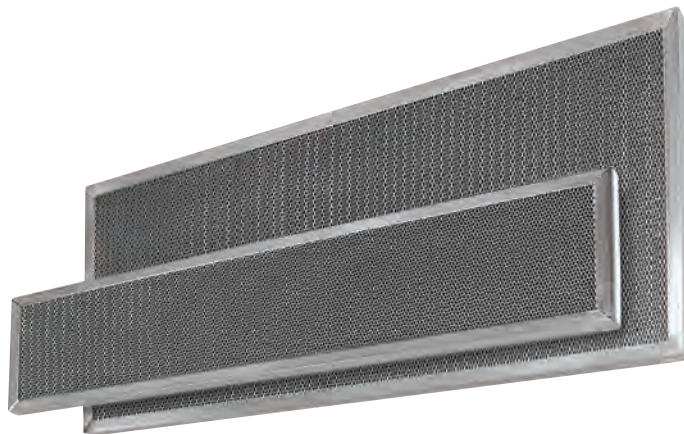


STRUT CHANNEL EXTENSION BRACKETS

To mount around obstructions such as door tracks, metal strut channels can be secured to the air curtain to extend the curtain past the obstruction. C-channel and 2x4 tubing are also available.

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.



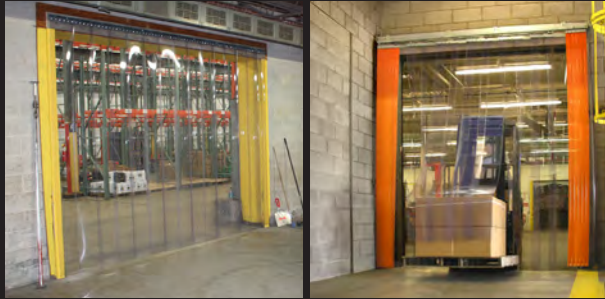
EXTENSIONS

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.



See the full line of TMI products at tmi-pvc.com

STRIP DOORS



CURTAINS AND ENCLOSURES



ROLL-UP DOORS & SCREENS



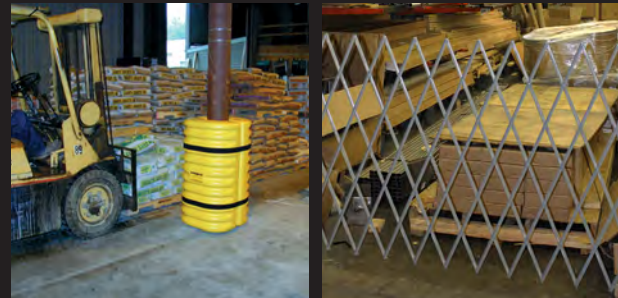
IMPACT DOORS



LOADING DOCK SAFETY



WAREHOUSE SAFETY



FLEXIBLE PVC MATERIALS



FOODSERVICE PRODUCTS



TMI International, LLC
5350 Campbells Run Road
Pittsburgh, PA 15205

tmi-pvc.com
800.888.9750
info@tmi-pvc.com

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