

8500 Series Commercial Slope Top Wall Convactor

28



- Front In/Top Out or Bottom In/Top Out air pattern.
- 16 gauge steel housing powder coated with beige finish.
- Tubular pre-wired wireway with 40 Amp capacity.
- Connection boxes for right or left hand wiring with combination 1/2" - 3/4" knockouts at back and bottom.
- Stainless steel element with Aluminum fins.
- Linear limit type thermal overload with automatic reset.
- Limited by max amp draw of 25 Amps (with no controls).
- Made in U.S.A.

HOW TO DESIGNATE A MODEL:

85	2	5	125	H	B	DST1
Series Number	Cabinet Size 1=10"H x 3"D 2=14"H x 5"D 3=20"H x 5"D	Unit Length (feet) 2, 3, 4, 5, 6, 7, 8, 9, 0 (enter 0 for 10')	Watts per Foot Selectable in 1 watt increments up to max per model series 8510= 250 max 8520=500 max 8530=750 max	Voltage E=120V F=208V G=277V H=240V	Air Flow B=Bottom in F=Front in	Factory Installed Options blank=none T1 or T2=Thermostat R1, R2, or R9=Relay DS=Disconnect (see control option chart)
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7

- Pencil proof louver design.
 - Custom colors available, consult factory.
- Note: Not for residential applications.
Note: Disconnect limits amperage to 20 Amps.

Product Specifications

CABINET:

Rugged 16 gauge front cover with discharge louvers in sloped top design. Pencil proof louver design for sloped outlet and front inlet grill. The finish shall be durable powder coated paint. Air flow available as bottom in - top out, or front in - top out.

ELEMENT:

All steel high mass element construction with Nickel-Chromium resistance wire embedded in compacted efficient dielectric to ensure proper heat transfer. Aluminum fins mechanically bonded to steel tube allows for increased surface area and even heat transfer.

LIMIT CONTROLS:

Automatic reset hydraulic thermal overload covers full length of heating element and shuts down heater when safe operating temperatures are exceeded.

WIRING:

Connection boxes in either end with 1/2 inch to 3/4 inch knockouts at back and bottom. Tubular prewired wire way with 40 Amp capacity.

CONTROLS:

Optional built in tamper resistant thermostat and disconnect.

MOUNTING:

Heater shall be surface mounted to wall or mullion. Bottom inlet units must be mounted a minimum of 4 inches above finished floor front inlet.

Voltage & Wattage Specification

Voltage	Standard Wattages Per Foot	Heater Lengths
120-277	100,125,150,165,187,200,250	2' through 10'

8500 Series Commercial Slope Top Wall Convector

Standard Models

29

HEATER LENGTH	WATTS per FOOT	8510 SERIES	8520 SERIES	8530 SERIES
		3" Depth x 10" Height Max watts per foot = 250	5" Depth x 14" Height Max watts per foot = 500	5" Depth x 20" Height Max watts per foot = 750
		MFG MODEL NUMBER	MFG MODEL NUMBER	MFG MODEL NUMBER
2'	100-250	8512	8522	8532
	333-750			
3'	100-250	8513	8523	8533
	333-750			
4'	100-250	8514	8524	8534
	333-750			
5'	100-250	8515	8525	8535
	333-750			
6'	100-250	8516	8526	8536
	333-750			
7'	100-250	8517	8527	8537
	333-750			
8'	100-250	8518	8528	8538
	333-750			
9'	100-250	8519	8529	8539
	333-750			
10'	100-250	8510	8520	8530
	333-750			

Note: All models qualify for international use

Note: Products listed in this section are custom built and subject to 100% cancellation/restocking charges.

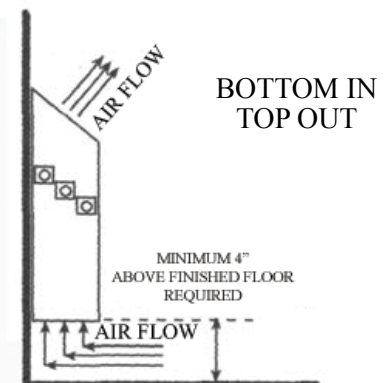
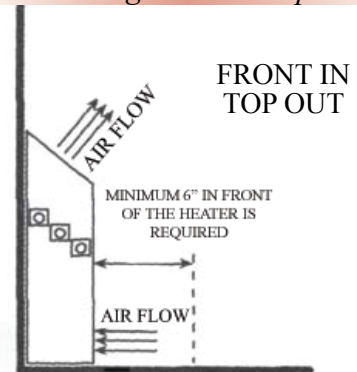
In-Built Control Options

SUFFIX	DESCRIPTION
T1	In-Built Tamper Proof, Single Pole, Bimetal Thermostat (0°-110°F temp. range, 25 Amp)
T2	In-Built Tamper Proof, Double Pole, Bimetal Thermostat (0°-110°F temp. range, 25 Amp)
DS	Double Pole Disconnect Switch, 20 Amp

Note: Due to size limitations, 8510 series convectors can only have thermostats as In-Built control options.

SUFFIX	DESCRIPTION
R1	DPST Relay, 30 Amps, up to 277V, 120V coil
R2	SPST Relay, 18 Amps @ 277V (max), 24V coil
R9	24V Transformer and SPST Relay 22 Amps @ 240V, 18 Amps @ 277V (max), 24V coil (cannot be used in conjunction with T2 option)

Mounting/Air Flow Options



8800 Series Institutional Wall Convactor

30

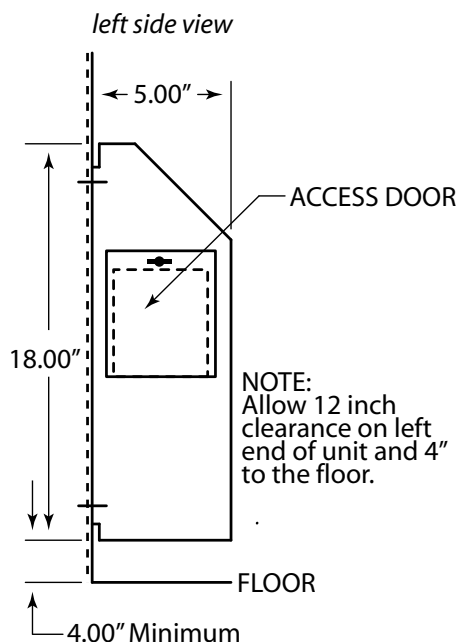


- Single phase heaters available in all common voltages from 120V to 600V.
- 11 gauge perforated steel housing powder coated with textured ivory finish.
- Tamper proof left side control panel houses built-in single pole thermostat - range 40°F-110°F and disconnect switch. Thermostat on 120V-277V units is line voltage and low voltage (24V) on 346V-600V units.
- Linear limit type thermal overload with automatic reset.
- Tamper proof fasteners
- Stainless steel element with Aluminum fins.
- Made in U.S.A.

Note: Not for residential applications.

HOW TO DESIGNATE A MODEL:

H	880	3	100
Element Voltage E=120 F=208 G=277 H=240 L=346 P=480 U=600	Series Number	Unit Length 1=18" 2=28" 3=36" 4=48" 5=60" 6=72"	Unit Wattage 050=500 075=750 100=1000 125=1250 150=1500 200=2000



Product Specifications

CABINET:

Institutional enclosure 11 gauge perforated steel with sloped top design. Heavy duty end caps welded to the enclosure. Control compartment for housing thermostat and disconnect switch is accessible by use of security type fastener. The entire enclosure is protected by epoxy powder coated paint finish.

ELEMENT:

All steel high mass element construction with Nickel-Chromium resistance wire embedded in compacted efficient dielectric to ensure proper heat transfer. Aluminum fins mechanically bonded to steel tube allows for increased surface area and even heat transfer.

LIMIT CONTROLS:

Automatic reset hydraulic thermal overload covers full length of heating element and shuts down heater when safe operating temperatures are exceeded.

WIRING:

Wiring connections shall be made in left end of cabinet enclosure. Wiring must enter into control enclosure behind perforated steel grill.

CONTROLS:

All controls are accessible only through control enclosure door. Security type fasteners restrict access to controls. Built in thermostat and disconnect switch with manual adjustment are located in control enclosure.

Optional In-Built Controls

SUFFIX	DESCRIPTION
T2	Tamperproof, Hydraulic, Double pole In-Built thermostat range 40°-110°F, 25 Amp
24V*	24 Volt In-Built single pole thermostat for 120V 208V, 240V & 277V models. 40°-110°F

*Not available on international models

8800 Series Institutional Wall Convector

Standard Models

31

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	BTU'S	VOLTS	AMPS	LENGTH (IN.)
08990002	E8801050	500	1706	120	4.167	18
08990602	F8801050			208	2.404	
08991202	H8801050			240	2.083	
08991802	G8801050			277	1.805	
08992402	L8801050			346	1.445	
08993002	P8801050			480	1.042	
08993602	U8801050			600	0.833	
08990102	E8802075	750	2560	120	6.25	28
08990702	F8802075			208	3.606	
08991302	H8802075			240	3.125	
08991902	G8802075			277	2.708	
08992502	L8802075			346	2.168	
08993102	P8802075			480	1.563	
08993702	U8802075			600	1.25	
08990202	E8803100	1000	3413	120	8.333	36
08990802	F8803100			208	4.808	
08991402	H8803100			240	4.167	
08992002	G8803100			277	3.610	
08992602	L8803100			346	2.890	
08993202	P8803100			480	2.083	
08993802	U8803100			600	1.667	
08990302	E8804125	1250	4266	120	10.417	48
08990902	F8804125			208	6.010	
08991502	H8804125			240	5.208	
08992102	G8804125			277	4.513	
08992702	L8804125			346	3.613	
08993302	P8804125			480	2.604	
08993902	U8804125			600	2.083	
08990402	E8805150	1500	5120	120	12.5	60
08991002	F8805150			208	7.212	
08991602	H8805150			240	6.25	
08992202	G8805150			277	5.415	
08992802	L8805150			346	4.335	
08993402	P8805150			480	3.125	
08994002	U8805150			600	2.5	
08990502	E8806200	2000	6826	120	16.667	72
08991102	F8806200			208	9.615	
08991702	H8806200			240	8.333	
08992302	G8806200			277	7.220	
08992902	L8806200			346	5.780	
08993502	P8806200			480	4.167	
08994102	U8806200			600	3.333	

International Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	BTU'S	VOLTS	AMPS	LENGTH (IN.)
09841402	M8801050i	500	1706	220	2.3	18
09841502	H8801050i			240	2.1	
09841602	M8802075i	750	2560	220	3.4	28
09841702	H8802075i			240	3.1	
09841802	M8803100i	1000	3413	220	4.5	36
09841902	H8803100i			240	4.2	
09842002	M8804125i	1250	4266	220	5.7	48
09842102	H8804125i			240	5.2	
09842202	M8805150i	1500	5120	220	6.8	60
09842302	H8805150i			240	6.3	
09842402	M8806200i	2000	6826	220	9.1	72
09842502	H8806200i			240	8.3	

4100 Series Recessed Commercial Wall Convactor

32



- Front In / Front Out air pattern
 - 16 gauge steel housing powder coated with textured beige finish
 - Tubular pre-wired wireway with 40 Amp capacity
 - Connection boxes for right or left hand wiring with combination 1/2" - 3/4" knockouts at back and bottom
 - Steel heating element with steel fins
 - Linear limit thermal overload with automatic reset
 - Recess trim frame included
 - Custom colors available, contact factory
 - Made in U.S.A.
- Note: Not for residential applications

HOW TO DESIGNATE A MODEL:

M41	25	F	48	1000	T
<u>Series Number</u>	<u>Cabinet Size</u> 45=20"H x 5"D 25=11"H x 4"D	<u>Voltage/Phase</u> F=208V, 1 Phase J=208V, 3 Phase H=240V, 1 Phase K=240V, 3 Phase	<u>Unit Length (Inches)</u> 24, 36, 48, 60, or 72	<u>Total Wattage</u>	<u>Control Option</u> Blank=None R, R2, or R9=Relay T or T2=Thermostat (See control option chart)

Product Specifications

CABINET:

4100 series casing shall be of square design with front inlet and outlet grills suitable for recess installation. The cabinet is fabricated from 16 gauge cold rolled steel and finished with powder coated baked enamel. Junction boxes are available for left or right wiring and connected by pre-wired 40 Amp capacity wireway.

ELEMENT:

All steel high mass element construction with Nickel-Chromium resistance wire embedded in compacted efficient dielectric to ensure proper heat transfer. Aluminum fins mechanically bonded to steel tube allows for increased surface area and even heat transfer.

LIMIT CONTROLS:

Automatic reset hydraulic thermal overload covers full length of heating element and shuts down heater when safe operating temperatures are exceeded.

WIRING:

Wiring connections shall be made in left end of cabinet enclosure. Wiring must enter into control enclosure behind perforated steel grill.

CONTROLS:

All controls are accessible only through control enclosure door. Security type fasteners restrict access to controls. Built in thermostat with manual adjustment are located in control enclosure.

4100 Series Recessed Commercial Wall Convectors

M4125 Dimensions - Cabinet Sizes 4" Deep x 11" High

LENGTH (IN.)	WT. (LBS)	WATTS per FOOT AVAILABLE	VOLTS AVAILABLE	PH
24	20	187 250 333	208 240 277	1
36	33			
48	39			
60	49			
72	56			

M4145 Dimensions - Cabinet Sizes 5" Deep x 20" High

LENGTH (IN.)	WT. (LBS)	WATTS per FOOT AVAILABLE	VOLTS AVAILABLE	PH	LENGTH (IN.)	WT. (LBS)	WATTS per FOOT AVAILABLE	VOLTS AVAILABLE	PH
24	45	187 250 333	208 240 277	1	24	49	750	208 240 277	1
36	53				36	60			
48	63				48	71			
60	77				60	87			
72	92				72	106			
24	47	500 666	208 240 277	1	24	49	500 666 750	208 240	3
36	57				36	60			
48	67				48	71			
60	82				60	87			
72	100				72	106			

Note: Products listed in this section are custom built and subject to 100% cancellation/restocking charges.

In-Built Control Options for Single Phase Units

SUFFIX	DESCRIPTION
T	In-Built Tamper Proof, Single Pole, Hydraulic Thermostat - 40°-110°F temp. range, 25 Amps
T2	In-Built Tamper Proof, Double Pole, Hydraulic Thermostat - 40°-110°F temp. range, 25 Amps
R	DPST Relay, 30 Amps, up to 277V, 120V coil
R2	SPST Relay, 18 Amps @ 277V (max), 24V coil
R9	24V Transformer and SPST Relay, 22 Amps @24V, 18 Amps @ 277V (max), 24V coil

Note: No In-Built control options for 3 phase models.

12" Control Section

UNIT LENGTH	MFG MODEL 4125	MFG MODEL 4145
12"	MSE4120-12	MSE4140-12

Note: Control section required when relay is ordered.

Solid Back Panel

UNIT LENGTH	MFG MODEL 4125	MFG MODEL 4145
24"	MS4122	MS4142
36"	MS4123	MS4143
48"	MS4124	MS4144
60"	MS4125	MS4145
72"	MS4126	MS4146