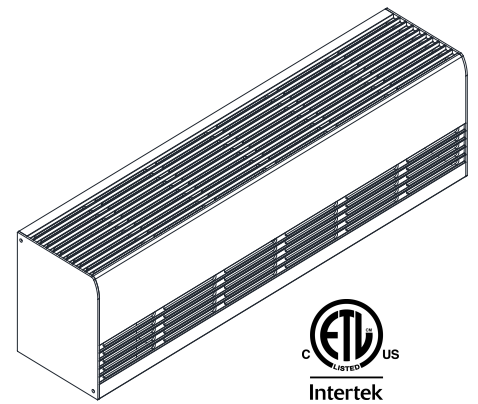


# 9300 SERIES

## RADIUSED FRONT DRAFT BARRIER HEATER



- LEED and green compliance for 1 and 3 phase applications
- Standard color - Bankers Bronze (custom colors available)
- Uni-Lock construction allows snap-fit, 2 piece installation
- Stainless steel heating elements with aluminum fins
- Full length manual reset linear limits
- Wall mount or floor mount (w/pedestals)
- 12GA extruded 6063 aluminum heat treated to T5 hardness
- Can be wired from either end
- ETL listed for industrial or commercial use

## SUBMITTAL DATA SHEET

VOLTS	SERIES	HEATER LENGTH (IN.)	AIR INTAKE	WATTS (FT.)	# OF ELEMENTS	CONTROL OPTIONS	FACTORY INSTALLED OPTIONS	FIELD INSTALLED OPTIONS	CUSTOM LENGTH (IN.)	TAG	QTY
	93										
	93										
	93										
	93										
	93										
	93										
	93										
	93										
	93										
	93										
	93										
<b>CUSTOMER PROJECT</b>								<b>Date</b>			

### HOW TO DESIGNATE A MODEL:

P1	93	96	B	561	3	IDS30	PD
<b>Element Volts</b> F = 208 H = 240 G = 277 L = 347 P1 = 480 U1 = 600  J = 208 K = 240 P3 = 480 U3 = 600	<b>Model Series</b> 93	<b>Heater Length (inches)</b> 28, 36, 48, 60, 72, 84, 96, 108, or 120	<b>Inlet</b> B = Bottom F = Front	<b>Watts Per Foot</b> <b>1 Element</b> 100, 125, 150, 165, 187, 200, or 250 <b>2 Elements</b> 200, 250, 300, 330, 374, 400, or 500 <b>3 Elements</b> 300, 375, 450, 495, 561, 600, or 750	<b># of Elements</b> 1, 2, or 3	<b>Control Options</b> See Chart	<b>Factory Installed Accessories</b> PD = Pedestal DR = Receptacle WM = Screen

### NOTE:

- Extended enclosures and Blank Sections are NOT punched. When a Control Section is specified, ALWAYS allow for an extended enclosure to compensate for the 6" or 12" length of the Section required.
- Note on order when finished backs are required.
- **Total heater amperage must not exceed the 25-Amp rating of the high temperature limit at any voltage or wattage. This applies to all Sill Line Model Series.**

Note: 480V single phase units minimum 36" heated length; 600V single phase units minimum 48" heated length  
347-480-600 single phase and all three phase units are built with low voltage option factory installed

## Product Description

TECHNICAL INFORMATION		TECHNICAL INFORMATION	
Air Intake	Bottom / Front	Height	7.5"
Air Discharge	Top	Depth	6.15"
Min Mounting Height	3" for bottom intake / 0" for front intake	Length	28" to 120" in 1' increments
Max Watts / Foot	750	Cabinet Material	Aluminum
Max Allowable Amps	25 without relay, 40 with relay	Material Gauge	12
Voltage / Phase	208V/240V/277V/347V, 480V, 600V Single Phase 208V, 240V, 480V, 600V Three Phase	Optional Controls That Can Be Built Into Unit	Thermostat, Disconnect Switch, Transformer (Control Section Required for Relays)

## Standard Models

MFG MODEL		UNIT LENGTH	MFG MODEL		UNIT LENGTH
Heater	9328	28"	Blank Section	93BS012	12"
	9336	36"		93BS024	24"
	9348	48"		93BS036	36"
	9360	60"		93BS048	48"
	9372	72"		93BS060	60"
	9384	84"		93BS072	72"
	9396	96"		93BS084	84"
	93108	108"		93BS096	96"
	93120	120"		93BS108	108"
				93BS120	120"

## Factory Installed Accessories

SUFFIX	DESCRIPTION
DR	Duplex Receptacle in 4" Extended Enclosure (not available with 120" heater)
PD	28" through 60" - 2 Required
	72" through 96" - 3 Required
	108" through 120" - 4 Required
WM	¼" wire mesh under grill

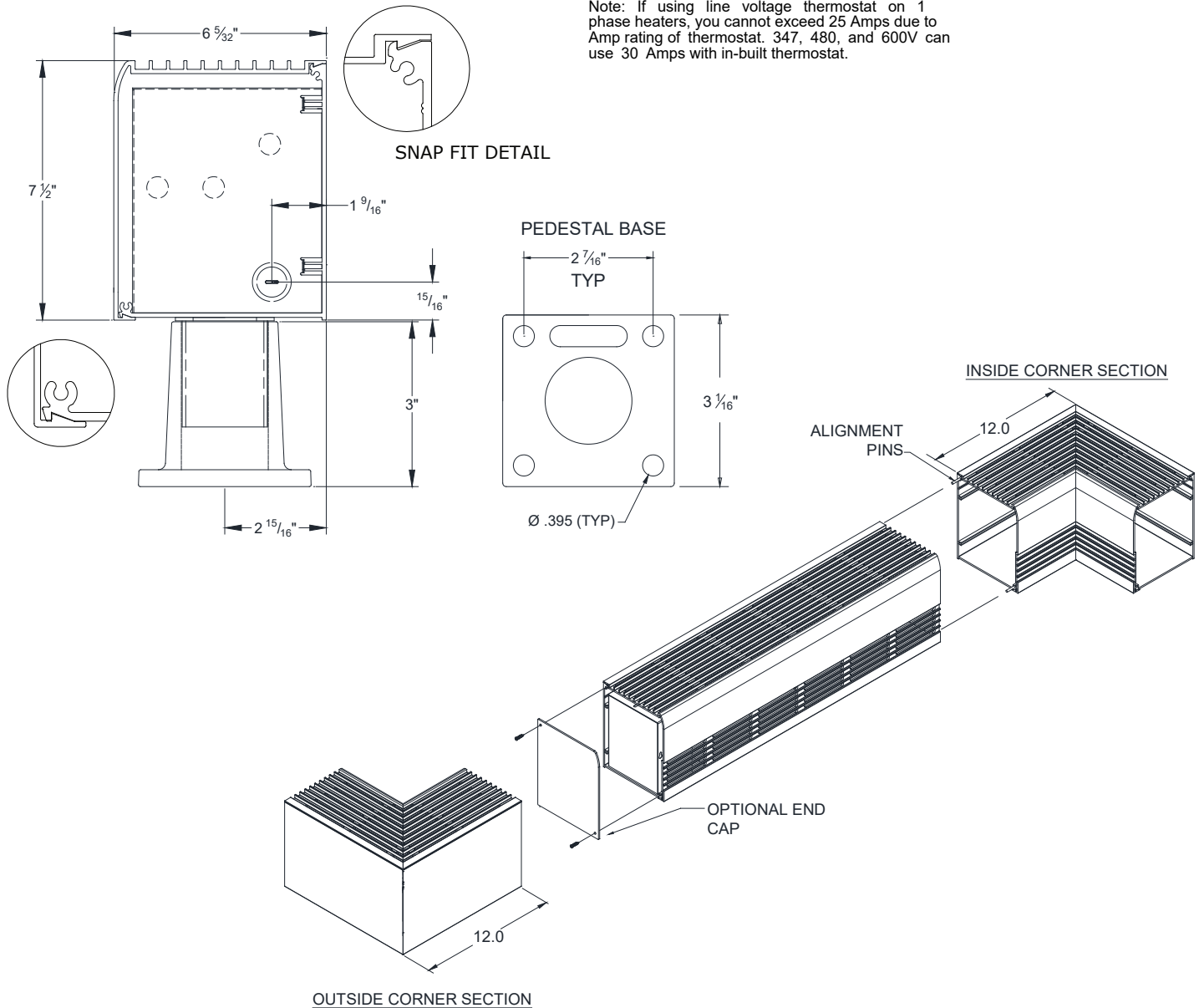
## Field Installed Accessories

MFG MODEL	DESCRIPTION
9300IC	Inside Corner Section 90° or 135°
9300OC	Outside Corner Section 90° or 135°
9300EC	Right or Left End Cap
9300SP	Splice Plate

## Control Options

SUFFIX DESIGNATION	DESCRIPTION
CS 6	6" control section / will contain up to 2 control options
CS 12	12" control section / will contain up to 3 control options
ITS	Single Pole, 25 Amp integral thermostat
IDS 30	30 Amp disconnect / 240V (Single Phase Units)
IDS 40	40 Amp disconnect / 600V (Three Phase Units)
LVTR	Low voltage controls (trans & relay) (9300 Series)
PR 120-277/24	Power Relay, 18 Amp tested, Must specify coil voltage / Single Pole
PR 120-277/120	
PR 120-277/240	

Note: If using line voltage thermostat on 1 phase heaters, you cannot exceed 25 Amps due to Amp rating of thermostat. 347, 480, and 600V can use 30 Amps with in-built thermostat.



# 9300 Series - Radius Front Draft Barrier Heater

## Product Specifications

### **CABINET**

9300 Series shall be constructed of 12 gauge extruded 6063 Aluminum heat treated to T5 hardness. The uni-lock construction shall allow easy installation and access to back plate for wiring. The snap-fit front cover makes installation and service very simple. Custom factory enclosures to  $\frac{1}{16}$  inch increments are built for exact wall to wall fit up to 10 foot enclosure lengths. The 12 gauge back plate will have electrical knockouts for incoming power on each end adjacent to junction box. Pedestal mounted units will have incoming power connection through the pedestal on bottom of unit and will have smooth back for optional finished back. The die punched front cover will have no screw heads or fasteners.

### **ELEMENTS**

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

### **LIMIT CONTROLS**

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

### **WIRING**

Wiring shall be in either end of the enclosure. Wiring can be in the junction box or optional control section if additional controls are needed. Pedestal mounted units shall have 1  $\frac{1}{4}$ " hole through the pedestal and in the bottom of the enclosure for incoming power wiring. All heaters have a factory supplied built in raceway for wiring from either end of the heater or for wiring of continuous heater connections.

### **CONTROLS**

Optional controls include single or double pole thermostat and disconnect switch that are factory wired in enclosed junction box on each end of heater enclosure. **If necessary, control section will add to heater enclosure length.** The control section for other optional components or combinations of components will have two options (6" or 12") depending on controls required.

### **APPLICATION**

The 9300 series is ETL listed for commercial or industrial applications on all units up to 750 Watts per foot. 3 Phase units have a minimum of 300 Watts per foot. 3 Phase units require three elements.