

# ELECTRICAL DRAFT BARRIER HEATERS

## SLOPE TOP MODEL SBST/F AND SBST/F-PD

### Submittal

Project	Engineer	Customer
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Item	Quantity	Catalog No.	Length	Volts	Watts	Amps	Built-In Controls	Color

### SBS FEATURES

#### Model SBST/F Specifications:

- SBST Bottom intake, top discharge
- SBSTF Front intake, top discharge
- 14 gauge extruded aluminum front and back
- Snap fit 2-piece construction
- SBST/F is 3"W x 6"H
- Enclosed junction boxes
- Full length thermal overload protection
- 1/4" pencil proof discharge grill
- Aluminum fins for cool surface temperatures
- Standard 3/4" EMT raceway
- Thermostat single or double pole, RH or LH mounting
- Disconnect switch, double pole, RH or LH mounting
- Painted and clear anodized
- Pedestals available
- Control sections are 6" or 12": power relays, contactors, PE relays, trans former relays, duplex receptacle, fused disconnects, and thermostat
- Accessories include: end caps, splice plates, wall trims, corners, and blanks
- Length to 12'
- UL and CUL Listed

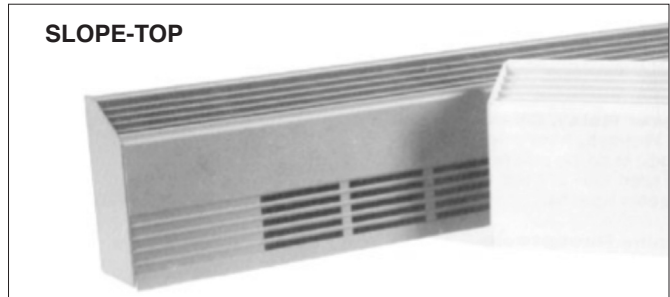
#### Suggested Engineering Specifications:

Design Draft Barriers shall be 6" high and 3" wide. The front cover shall be one piece 14 gauge aluminum construction suitable for architectural, commercial and industrial use, with 1/4" pencil proof slope top discharge.

The one piece cover shall be extruded aluminum for maximum strength and shall be available in lengths to 12'. The front cover shall snap fit to the 14 gauge back cover with no screw heads or assembly fasteners. The 14 gauge back cover shall be suitable for mullion to mullion mounting. Standard painted finish shall be provided.

Heat sections from 2' through 10' shall be available. All heaters shall contain a 3/4" EMT built-in raceway with factory wiring 1/2" and 3/4" knockouts shall be provided on the side and rear of the heater junction box to allow end-to-end wiring. All blank sections shall be fully enclosed to allow branch circuit wiring. All heaters shall contain a full length linear thermal overheat protector with automatic reset. Wattages shall be available from 100 to 250 WPF.

Heating elements shall consist of a steel sheath and mechanically bonded aluminum fins to assure efficient heat transfer. Element fin temperature shall not exceed 350 degrees Fahrenheit to ensure long element life. Element shall be center anchored and free floating at each end on nylon bushings.



#### Optional Controls Shall Include:

Thermostats (single or double pole) and disconnect switches. Controls shall be tamper proof and adjustable with a blade screwdriver through the discharge grill.

#### Operational Features

Model SBST/F features a tubular heating element with fins bonded to the sheath.

To prevent overheating in cases where the air discharge may be blocked, full length thermal overload protection is provided. The vacuum charged capillary automatically restores operation when the cause for overheating is removed. To ensure quiet operation, the heating element is anchored and free floating at each end on nylon bushings.

#### Installation Features

Model SBST/F construction allows simple, snap-fit installation. The back plate which houses the heating element assembly is simply attached to the wall surface at the desired height and the front cover enclosure is then snapped into place.

#### Pedestal Features

Model SBST/F-PD shall have 2" adjustable pedestals and the heater back will be painted to match the front cover. 1" of adjustment is available on the cast pedestal.

#### Pedestal Quantities

2 on 1', 2', 3', 4' and 5', 6'  
3 on 7', 8', 9' and 10'

All heaters are labeled by Underwriters' Laboratories, Inc.

## CONTROL SECTIONS:

Due to the size of the cabinet, controls other than thermostats and disconnects must be mounted in a control section.

### 12" Control Sections:

12" long and can be attached to the enclosure. Can contain 1, 2, or 3 items, right or left side mounting.

### 6" Control Sections:

Can contain 1 or 2 items, right or left side mounting.

### Transformer Relay:

Single pole, rated 19 amp 120 – 277 volt. Contact rated up to 277 volt (specify). Coils are 24 to 277 volt (specify).

### Power Relay, Contactors, PE Relays, Mercury Relay:

Single or double pole (specify). 25 amp rated 120 – 277 volt. Low or line volts coils (specify).

### Duplex Receptacle:

Mounted on front cover. 15 amp rated 120 volt.

### Fused Disconnect:

Fuse block with 20 amp fuse and disconnect switch.

### Thermostats:

Single or double pole rated 22 amp 120 – 277 volt adjustable through discharge grill.

### Disconnect Switch:

Double pole rated 20 amp 120 – 277 volt.

## ACCESSORIES

- SB-WT Wall Trim (4" or 6")
- SB-SP Splice Plate 2"
- SB-EC End Cap (specify right or left)
- SB-IC Inside Corner (specify miter degree)
- SB-OC Outside Corner (specify miter degree)
- SB-BS Blank Section
- SB Bottom Intake, Top Discharge\LBF Front Intake, Top Discharge

Catalog Number	Wattage		BTU/Hr	Length
	Nominal	Total		
SB-2150	150	300	1023	2'
SB-2200	200	400	1364	
SB-2250	250	500	1706	
SB-3100	100	300	1032	3'
SB-3125	125	375	1280	
SB-3150	150	450	1535	
SB-3200	200	600	2406	
SB-3250	250	750	2560	
SB-4100	100	400	1364	4'
SB-4125	125	500	1706	
SB-4150	150	600	2046	
SB-4200	200	800	2728	
SB-4250	250	1000	3414	
SB-5100	100	500	1706	5'
SB-5125	125	625	2130	
SB-5150	150	750	2560	
SB-5200	200	1000	3414	
SB-5250	250	1250	4266	
SB-6100	100	600	2046	6'
SB-6125	125	750	2560	
SB-6150	150	900	3069	
SB-6200	200	1200	4092	
SB-6250	250	1500	5120	
SB-7100	100	700	2387	7'
SB-7125	125	875	2986	
SB-7150	150	1050	3581	
SB-7200	200	1400	4774	
SB-7250	250	1750	5973	
SB-8100	100	800	2728	8'
SB-8125	125	1000	3413	
SB-8150	150	1200	4092	
SB-8200	200	1600	5456	
SB-8250	250	2000	6826	
SB-9100	100	900	3071	9'
SB-9125	125	1125	3840	
SB-9150	150	1350	4606	
SB-9200	200	1800	6141	
SB-9250	250	2250	7678	
SB-10100	100	1000	3413	10'
SB-10125	125	1250	4266	
SB-10150	150	1500	5120	
SB-10200	200	2000	6826	
SB-10250	250	2500	8532	

NOTE: Consult factory for 120 volt applications.