

## ELF375DSS SNOW STOPPER SNOW ELIMINATOR LOUVER

PATENT PENDING

### DESCRIPTION

The ELF375DSS Snow Stopper reduces snow infiltration beyond by capturing snow in a fine stainless steel mesh. A heat trace in the mesh melts a sufficient amount of the snow to allow airflow through with relatively low pressure drop. The Snow Stopper snow mesh is factory-mounted to the louver in an aluminum sleeve. Each snow mesh panel is provided with a pig-tail for field cutting and wiring into the power supply. **Controls, sensors, electrical terminations and conduit are provided by others.**

### LOUVER

ELF375DX Drainable Stationary Louver - See specification sheet for construction details.

### MATERIALS

Louver - Extruded aluminum.  
 Sleeve - Formed aluminum.  
 Snow Mesh and Frame - 304 stainless steel.  
 Trace Heater - Inconel.

### MINIMUM SINGLE SINGLE SECTION SIZE

12"w x 18"h (305 x 457).

### MAXIMUM SINGLE SINGLE SECTION SIZE

48"w x 90"h (1219 x 2286). Louvers larger than this size will be shipped in multiple sections for field assembly. Maximum snow mesh size is 48"w x 48"h (1219 x 1219).

### MAXIMUM OVERALL FIELD ASSEMBLED SIZE

Unlimited width x 90" high (2286).

### AIRFLOW RANGE

0 to 350 fpm (1.8 m/s) face area velocity.

### AIR TEMPERATURE OPERATING RANGE

32°F to -40°F.

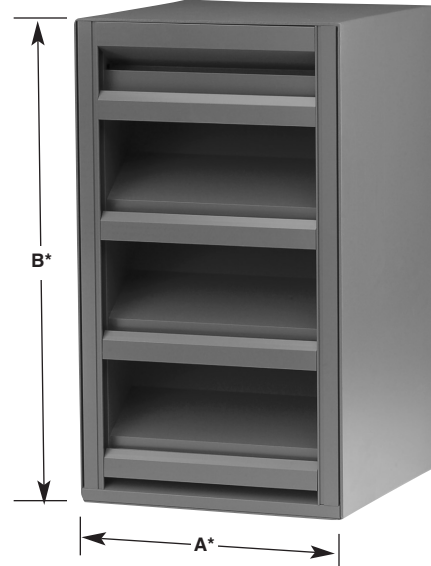
### POWER REQUIREMENTS

208/240/277 volts, 1 phase a/c.  
 For temperatures from -20°F to -40°F: 180 watts/ft<sup>2</sup>.

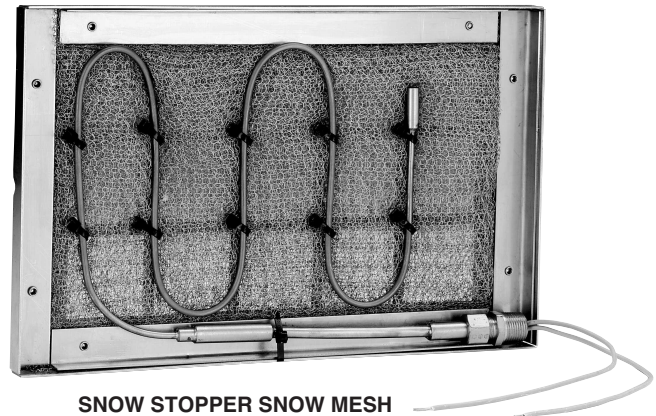
### SURFACE TEMPERATURE OF HEAT TRACE

180 watts/ft<sup>2</sup>: 400°F.

**NOTE:** Dimensions shown in parentheses ( ) indicate millimeters.



ELF375DSS SNOW STOPPER LOUVER



SNOW STOPPER SNOW MESH

\*Units furnished 1/4" (6) smaller than given opening dimensions.

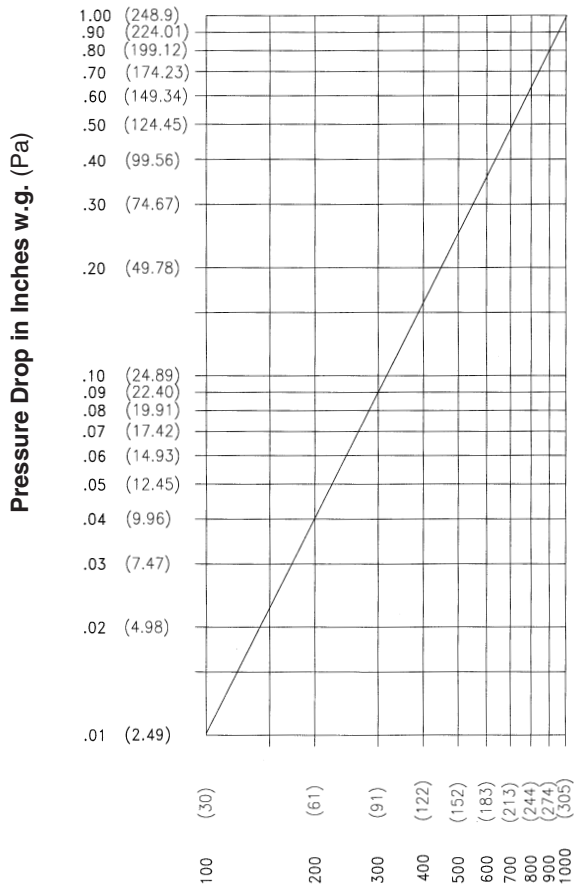
TAG	QTY.	SIZE		WATTS FT. <sup>2</sup>	VARIATIONS
		A"-WIDE	B"-HIGH		
<b>PROJECT</b>			<b>LOCATION</b>		
<b>ARCH./ENGR.</b>			<b>CONTRACTOR</b>		
<b>REPRESENTATIVE</b>			<b>DATE</b>		

## SUGGESTED SPECIFICATION

Furnish and install Ruskin ELF375DSS Snow Eliminators with ELF375DX louvers and heated snow eliminator mesh as hereinafter specified where shown on plans or as described in schedules. Heated mesh to be factory installed to louvers in aluminum sleeve. Mesh and framing shall be manufactured of 304 Stainless Steel. Mesh panels to utilize a metal-sheathed cable heat trace as

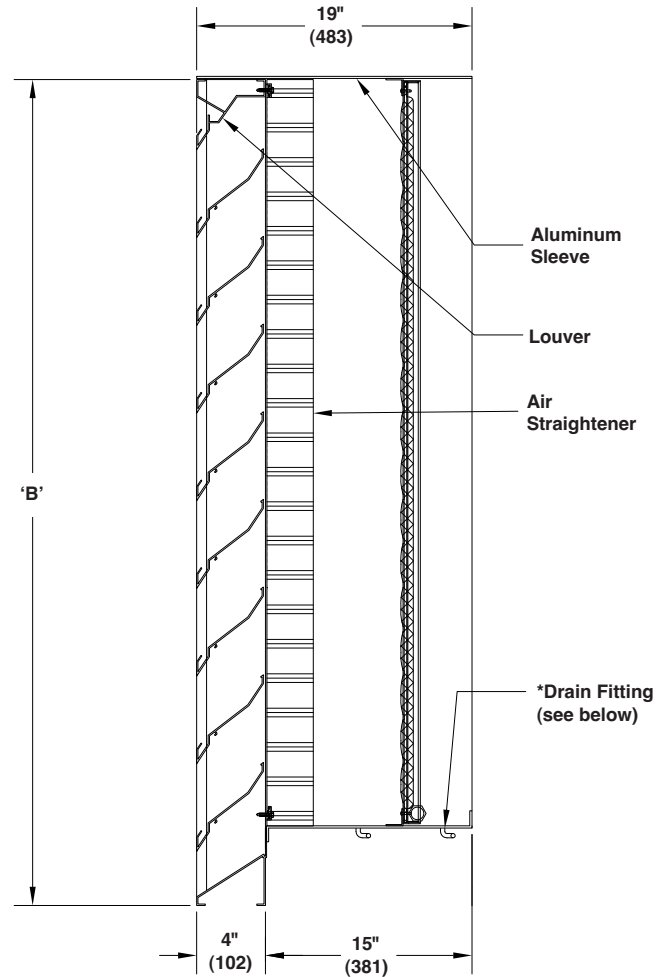
the heating element. The conductor shall be electrically insulated from the metal sheath with magnesium oxide (MgO). Mineral insulated cable to be a series resistance heater that generates heat by passing current through the electrical conductor. Outer sheath construction to be Alloy 825 Inconel.

### PRESSURE DROP LOUVER, STRAIGHTENER AND SNOW MESH COMBINED



Air Velocity in feet (meters) per minute through Face Area of Louver

### ELF375DSS SNOW STOPPER LOUVER SECTION DETAIL



\*Piping to Drain Fitting provided by others.

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