

**MODEL**

- ACE - Active adaptable exposed chilled beam

**FEATURES**

- Combined cooling and heating coil
- 2 and 4 pipe coil configuration
- Cooling/heating water pipe connections are copper 1/2" and 3/8" diameter respectively
- Aluminum fins on water coil
- 4 nozzle sizes available for more precise performance
- Venting valves for cooling and/or heating coil
- Rounded or angular 20 gauge, galvanized steel casing
- Round or oval return face perforation
- 5" diameter primary air duct connections
- Low sound levels
- *Krueger by Halton* Velocity Control (HVC)
- Manually operated *Krueger by Halton* Air Quality Control (HAQ)
- Standard finish is Polyester Painted White (RAL 9010)

**UNIT SIZE**

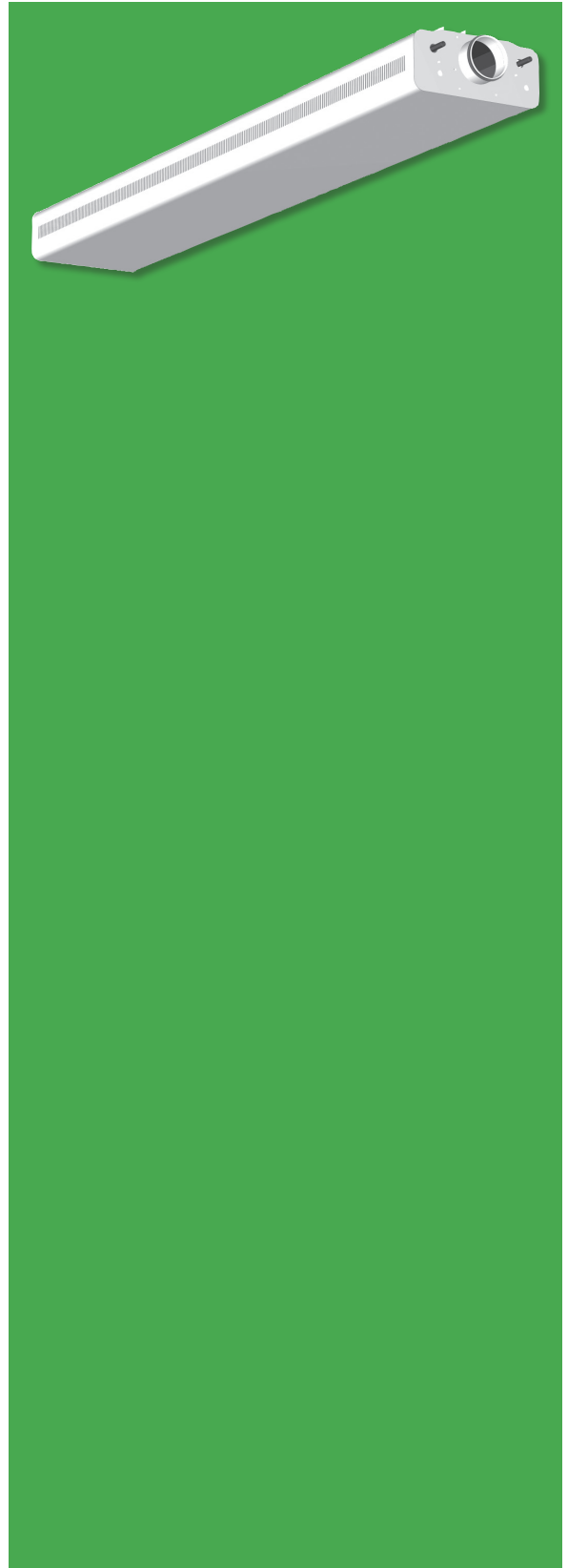
- Width: 16"
- Height: 8"
- Length: 48" - 192" (4" increments)

**INLET SIZE**

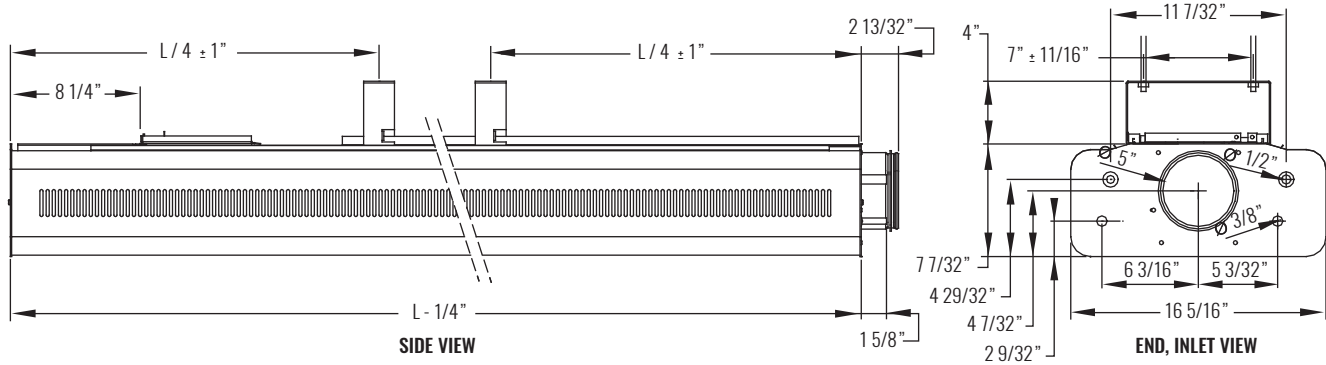
- Round: 5"

**COMPATIBLE OPTIONS AND ACCESSORIES**

- Electronically actuated *Krueger by Halton* Air Quality Control (HAQ)
- Adjustable or constant flow, factory mounted water valve and actuator (24V or 230V)
- Cable tray
- 12" or 16" duct cover
- Flexible hose connections



## DIMENSIONAL DATA



NOTES: Cooling/heating water pipe connections are copper 1/2" and 3/8" with wall thickness of 0.04". The maximum operating pressure for chilled/hot water pipework is 150 psi. The front panel of the chilled beam is divided into two equal sections in chilled beams longer than 96". Combined cooling and heating coil: Krueger by Halton Air Quality control (HAQ damper - manual operation): Located in the non-connection end of the beam. Krueger by Halton Air Quality control (HAQ damper - motorized operation): In retrofitting, motorization of HAQ is possible when manual version is selected. Control Valve: Valves with adjustable  $K_{vs}$  value or with max flow limit function. Delivered factory fitted or loose. If control valves are factory fitted, the location of the pipe connections cannot be changed on the site. Delivered factory fitted or loose Cable length 47.24". Cable Tray: Pre-painted, Length = Beam - 22". Airflow adjustment damper (MSM damper): Removable through access panel. Duct cover: Self-supporting cover plate. No need for installation brackets. Available in length 12, 16, 20, 24 inches.

## PERFORMANCE AND DESIGN DATA

PERFORMANCE		SUGGESTED DESIGN PARAMETERS		
DESCRIPTION	VALUE	DESCRIPTION	COOLING	HEATING
TOTAL SENSIBLE COOLING (BTU/H PER ACTIVE LINEAL FOOT)	305 - 1510	SUPPLY AIR TEMPERATURE	55 - 65°F	60 - 85°F
TOTAL SENSIBLE HEATING (BTU/H PER ACTIVE LINEAL FOOT)	30 - 1645	AIRFLOW RATE	25 CFM/ft max	
SOUND LEVEL (NC)	10 - 35	ENTERING WATER TEMPERATURE	56.5 - 70°F	90 - 120°F
		WATER FLOW RATE	.50 - 2.25 GPM	.25 - 1.58 GPM
		WATER $\Delta P$	0 - 10 ft	
		AIR $\Delta P$	0.2 - 0.8 "WG	

NOTES: Information shown is abbreviated. See website for complete information. Performance shown is based on the following operating conditions: in cooling, 75°F, 50% relative humidity room design temperature and in heating, 68°F, 50% relative humidity room design temperature. Entering cooling water temp should be selected at least +1.5 degrees higher than room dew point.