



EHD-IG

1, 2 & 3 HEATER

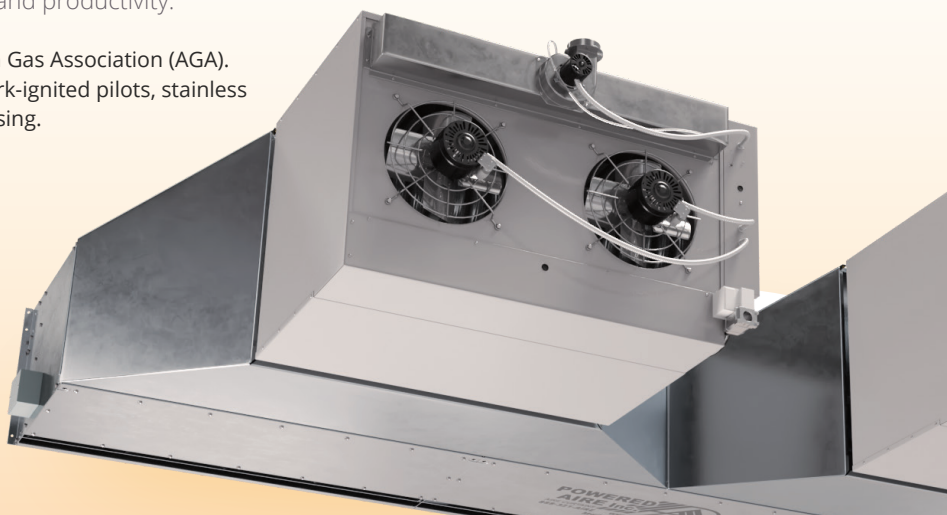
The Indirect Gas Fired air curtain works like your typical home furnace. The flame heats a tube, the air flows over the tube and the heated air is discharged. This air curtain will provide up to a 35°F temperature rise at the threshold. Not only will this model prevent cold air from infiltrating the opening, it will help keep door hinges from freezing, keep the floor dry, help keep employees comfortable and promote safety and productivity.

Indirect gas heaters used are certified by the American Gas Association (AGA). Standard equipment includes power-vented flues, spark-ignited pilots, stainless steel duct transition and stainless steel air curtain housing.

OPTIONS

HEATING

Unheated	pg 177
Electric.	pg 181
Hot Water.	pg 186
Steam	pg 186
Direct Gas.	pg 195



AT A GLANCE

Single Incremental Widths

4' to 20'

Max Installation Height

22'

Heavy Duty Motors

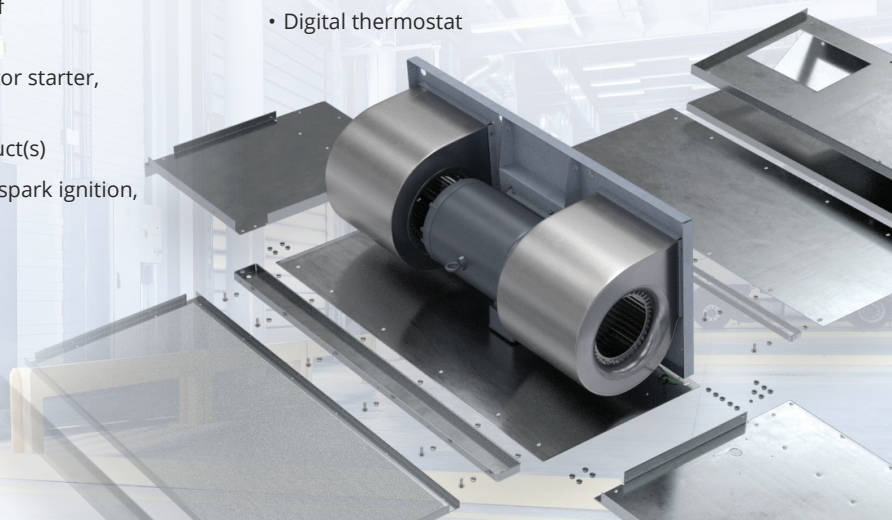
5 HP

KEY DESIGN FEATURES

- Outer cabinet constructed of 18-gauge 304 stainless steel with #3 finish
- 5 HP TEAO (Totally Enclosed Air Over) direct-drive single-speed motor(s)
- High-efficiency discharge plenum with adjustable air foil vane (+/-20°)
- Top and bottom access panels for servicing and removal of motor-blower assembly
- NEMA 12 control panel with factory installed magnetic motor starter, overload relays, and control transformer
- Factory mounted 18-gauge 304 stainless steel transition duct(s)
- AGA/CGA labeled gas heater(s) with power exhaust, direct spark ignition, and tubular heat exchangers
- Convertible open and closed combustion
- Natural gas or propane fuel types
- Standard single point power connection

RECOMMENDED CONTROLS

- Activation by 24V magnetic door switch
- Toggle disconnect switch
- Hand/Off/Auto selector switch
- Heat On/Off selector switch
- Digital thermostat



► EHD-IG | PERFORMANCE

EHD-IG | Heating Information Table

Model	Input mbtu / hr per Heater	Number of Heaters	Total Output mbtu / Hour	Temp. Rise (°F)	Weight (lbs)
EHD-1-48IG	200	1	160	24	670
EHD-1-60IG	250	1	200	25	700
EHD-1-72IG	250	1	200	20	730
EHD-2-96IG	400	1	320	23	1205
EHD-2-108IG	400	1	320	22	1295
EHD-2-120IG	250	2	400	24	1378
EHD-2-132IG	250	2	400	23	1598
EHD-2-144IG	250	2	400	19	1650
EHD-3-156IG	350	2	560	26	1950
EHD-3-168IG	350	2	560	23	2005
EHD-3-180IG	350	2	560	23	2065
EHD-3-192IG	350	2	560	22	2120
EHD-3-204IG	400	2	640	25	2225
EHD-3-216IG	400	2	640	24	2278
EHD-4-228IG	350	3	840	27	2796
EHD-4-240IG	350	3	840	27	2865



INFO

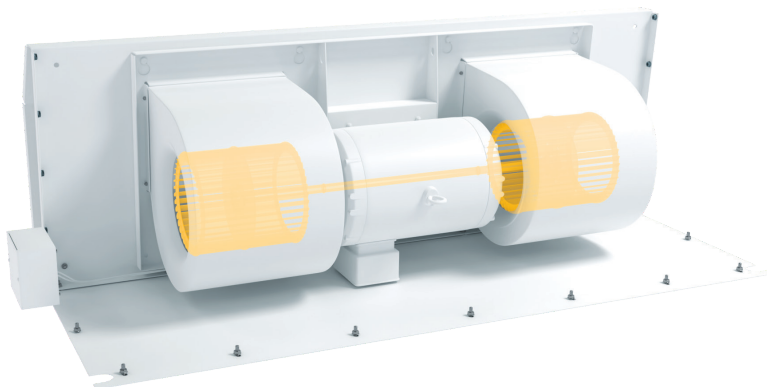
For additional EHD-IG performance information, reference performance table on page 178.

EHD-IG | Sound Levels

High Speed	71 dBA	Measured 10 ft. from unit in a free field based on a 1 motor unit
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EHD-IG | Three Phase Motor Options

Voltages available	208	240	480	575
Amp draw per motor	17	15.8	7.9	6.3



Performance Highlight

The air curtain is direct drive, which avoids misalignment of couplers and outboard bearings and eliminates periodic belt replacement.

► EHD-IG | MECHANICAL DETAILS & DRAWINGS (1 HEATER)

EHD-IG | 1-Heater Mechanical Information Table

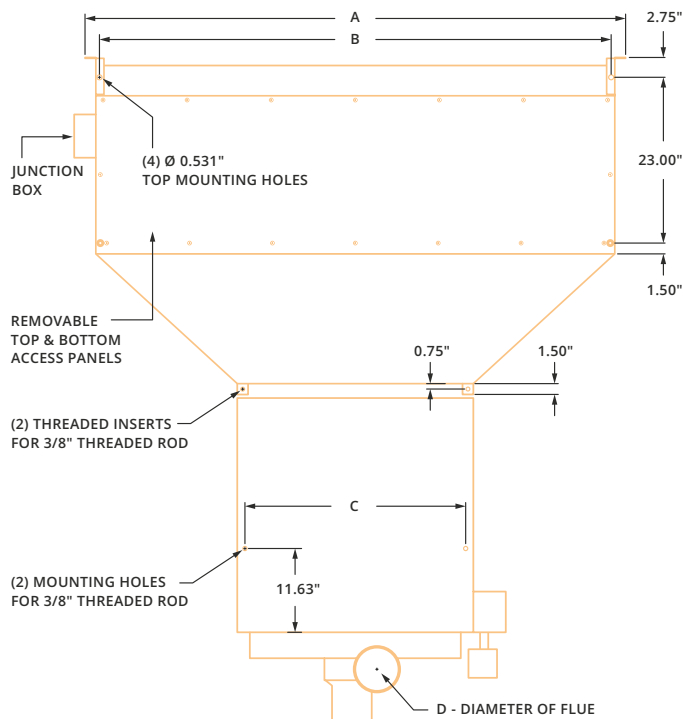
MODEL	Air Curtain Width - A (in.)	Mounting Width - B (in.)	Hanging Width - C (in.)	Flue Diameter - D (in.)	Heater Size	Gas Inlet (in.)
EHD-1-48IG	51	47	30.63	5	200	0.5
EHD-1-60IG	63	59	30.63	5	250	0.75
EHD-1-72IG	75	71	30.63	5	250	0.75
EHD-2-96IG	99.13	95.13	48.63	6	400	0.75
EHD-2-108IG	111.13	107.13	48.63	6	400	0.75



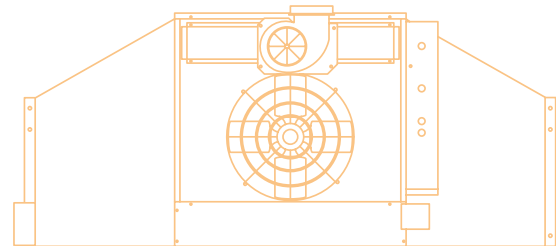
NOTES

1. Verify that overall dimensions will fit in the opening.
2. Adequacy of support structure to be verified by a professional structural engineer.
3. Air curtain to be installed so that the air stream is unobstructed.

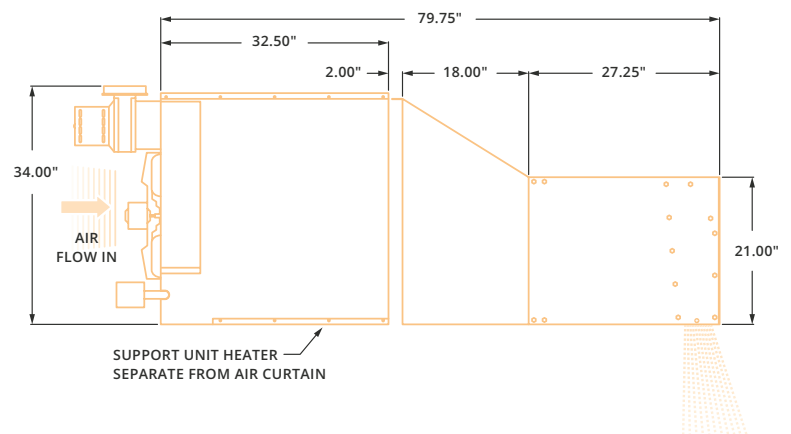
TOP



FRONT



SIDE



► EHD-IG | MECHANICAL DETAILS & DRAWINGS (2 HEATER)

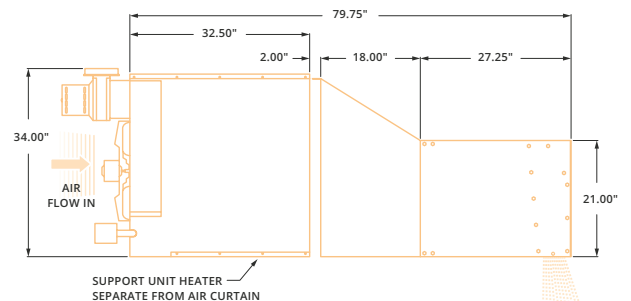
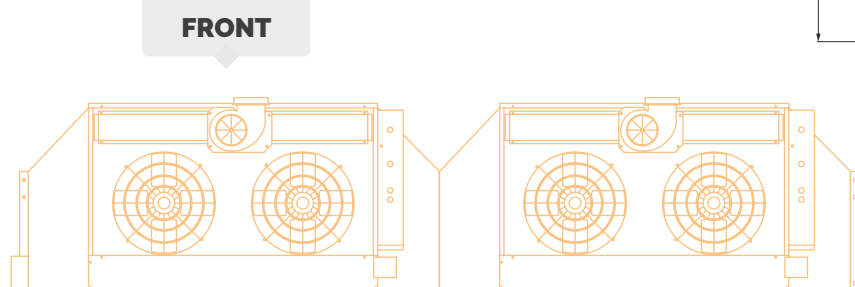
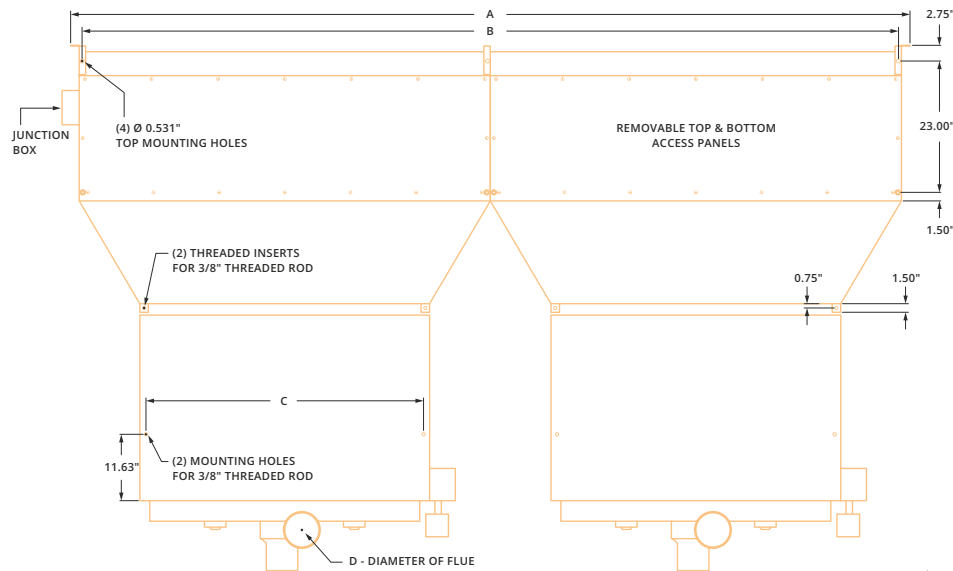
EHD-IG | 2-Heater Mechanical Information Table

MODEL	Air Curtain Width - A (in.)	Mounting Width - B (in.)	Hanging Width - C (in.)	Flue Diameter - D (in.)	Heater Size	Gas Inlet (in.)
EHD-2-120IG	123.13	119.13	30.63	5	2 × 250	0.75
EHD-2-132IG	135.13	131.13	30.63	5	2 × 250	0.75
EHD-2-144IG	147.13	143.13	30.63	5	2 × 250	0.75
EHD-3-156IG	159.25	155.25	48.63	6	2 × 350	0.75
EHD-3-168IG	171.25	167.25	48.63	6	2 × 400	0.75
EHD-3-180IG	183.25	179.25	48.63	6	2 × 400	0.75
EHD-3-192IG	195.25	191.25	48.63	6	2 × 400	0.75
EHD-3-204IG	207.25	203.25	48.63	6	2 × 400	0.75
EHD-3-216IG	219.25	215.25	48.63	6	2 × 400	0.75



NOTES

1. Verify that overall dimensions will fit in the opening.
2. Adequacy of support structure to be verified by a professional structural engineer.
3. Air curtain to be installed so that the air stream is unobstructed.



► EHD-IG | MECHANICAL DETAILS & DRAWINGS (3 HEATER)

EHD-IG | 3-Heater Mechanical Information Table

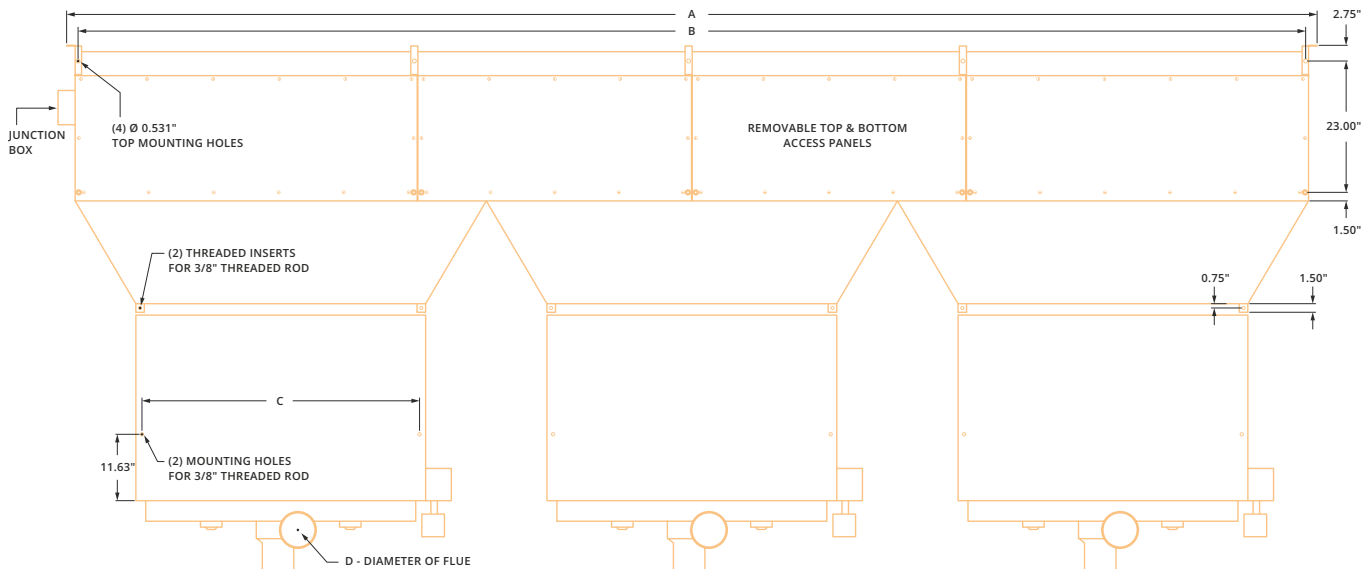
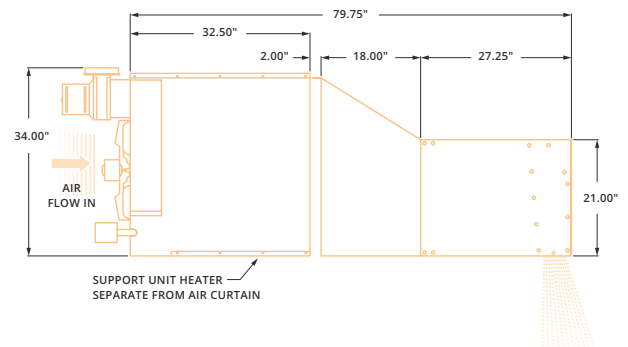
MODEL	Air Curtain Width - A (in.)	Mounting Width - B (in.)	Hanging Width - C (in.)	Flue Diameter - D (in.)	Heater Size	Gas Inlet (in.)
EHD-4-228IG	231.38	227.38	48.63	6	3 × 350	0.75
EHD-4-240IG	243.38	293.38	48.63	6	3 × 350	0.75



NOTES

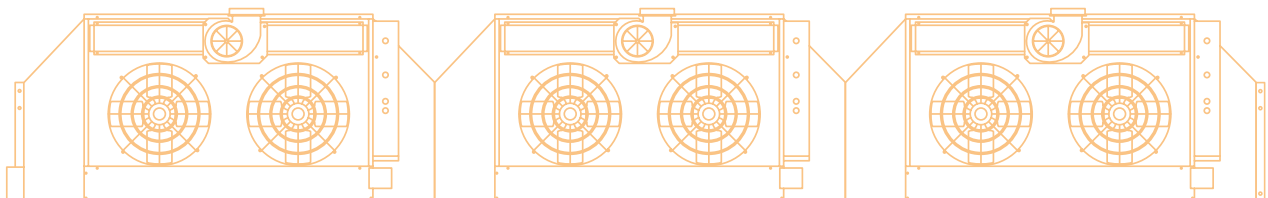
1. Verify that overall dimensions will fit in the opening.
2. Adequacy of support structure to be verified by a professional structural engineer.
3. Air curtain to be installed so that the air stream is unobstructed.

SIDE



TOP

FRONT



► EHD-IG | INSTALLATION

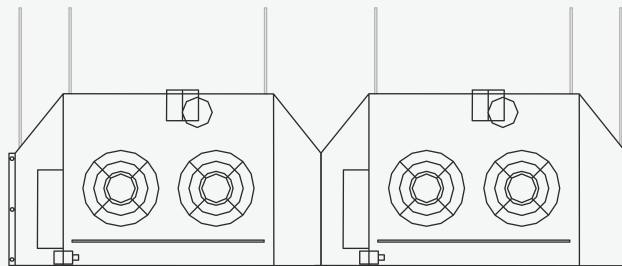
MOUNTING

- Unit will be suspended with threaded rods. Air curtain has two holes on each end for installing one end of threaded rods.
- Model EHD-IG requires 7/16" threaded rod. Washers and lock washers or locknuts are recommended. Mounting structure should be of sufficient strength to hold unit, and hardware (supplied by others) should be of sufficient strength and quality to support the unit safely.
- Each transition duct has two 3/8 – 16 spotnuts
- Each heater has two or four 3/8 – 16 spotnuts depending on the model.
- The other ends of the threaded rods can be attached to the ceiling.
- Additional mounting holes are provided on larger units for buildings where structural support is not adequate for supporting the air curtain from ends only.

POSITIONING

- Heater is to be mounted separately, 2" from air curtain/transition assembly.

FRONT



SIDE

Support unit heater separate from air curtain

