



**POLYGON
EQUIPMENT
DATASHEET**

HDS-12

Self-Contained Indirect Heating System



Product Description

The Polygon HDS-12 product line offers an energy efficient advancement in indirect heating. Each unit comes fully self-contained including a stainless steel heat exchanger designed to keep products of combustion and moisture separate from conditioned air. A backwards inclined centrifugal fan delivers air where it is needed. Design allows flexibility to be used in conjunction with dehumidifiers or high static blowers, or as a stand-alone air heater.



HDS-12 Product Information

- Power generation: built-in diesel engine drives process air blower allowing variable air flows
- Air mixing: allows a wide variety of air flow combinations with fresh air, return air or dehumidified air, to provide precise and efficient climate control
- Clean heat: indirect-fired design keeps combustion products and added moisture from entering space.

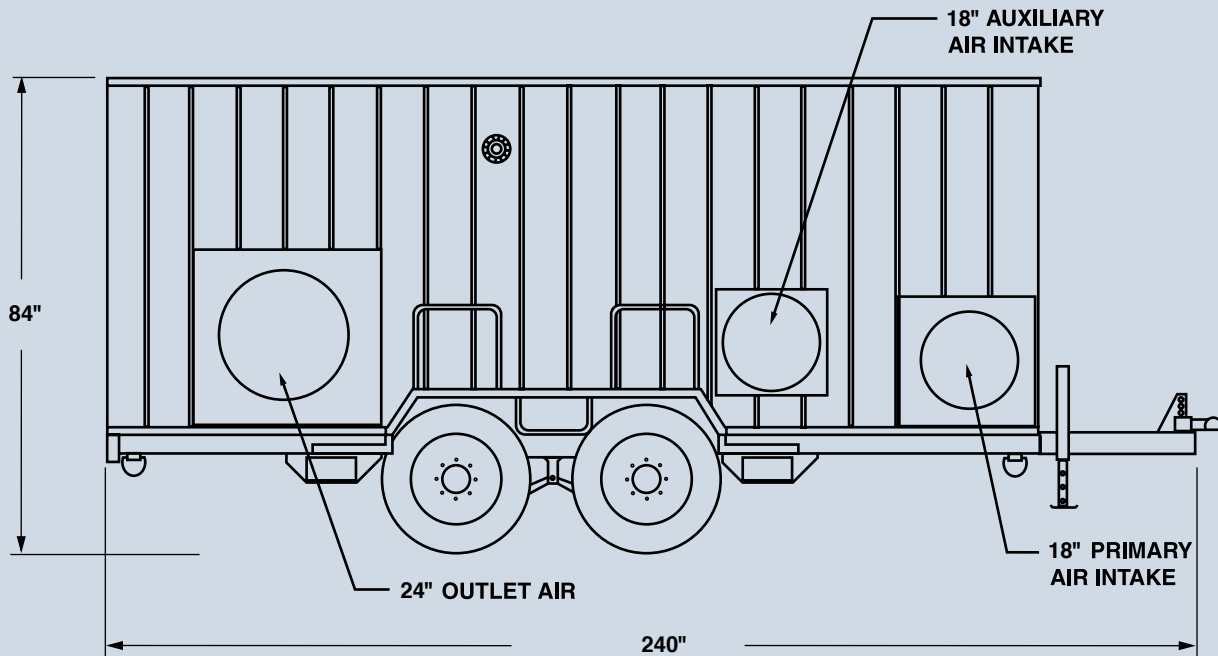
Features

- Weather-tight construction for outdoor use only
- Available in skid or trailer configuration
- Completely self-contained design
- Quick access for easy maintenance
- 175°F temperature rise @ 6000 SCFM
- High temperature limit 200°F
- Integrated design incorporates fuel tanks, blower and burner, keeping site footprint to a minimum.

Benefits

- Improved workspace environment
- Reduction in fuel consumption and heating cost for projects
- Control air infiltration and relative humidity with efficient indirect heat and ventilation
- Fast and simple operation and field service
- Safe and easy control of outlet temperature.





HDS-12

Equipment Specifications

Rating: 1.2 MBTU/HR high burner firing rate
650,000 BTU/HR low burner firing rate

Length: 240"

Width: 84"

Height: 84"

Weight: 7,000 lb (empty)

Power requirements: None, self contained

Fuel required:

8.6 g/h (factory set)

270 gallons (24 hour plus reserve)

Fuel Oil #1,2 or A

Air outlet: 24" diameter

Air inlet: 2-18" diameter

SCFM range: 2" ESP @ 6,000-10,000 SCFM

Insurance value: \$45,000.00

Polygon

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