### Technical Specifications

#### ultraSchwank

### APPLICATION

The ultraSchwank UHE Series is a gas-fired, high radiant output, infrared radiant tube heater approved for indoor commercial/industrial applications.
- Facilities that require efficient personnel comfort or freeze protection
- Factories, warehouses, service garages, fabricating shops, manufacturing facilities, and other
- Not for residential application

### FEATURES & BENEFITS

High efficiency burner combined with insulated reflector increases the appliance radiant efficiency by 25% to 50% vs. other radiant tube heating systems. The additional infrared radiant heat output from the ultraSchwank UHE Series results in significantly reduced fuel consumption and carbon emissions, and improved personnel comfort.

UHE burner design developed with computerized fluid dynamic modeling (CFD):
- Higher combustion efficiency
- Excess air cut in half
- Longest flame
- Whisper quiet operation

'Clam shell' burner cabinet opens down to the service position:
- Easy service access
- Burner fully operational in open position
- Control by either line voltage or 24V thermostat
- Duct outside combustion air to burner sealed combustion system

Reflector assembly with Alkaline Earth Silicate refractory insulation:
- Inner and outer aluminum-silicate hot-bonded steel reflector
- Cuts radiant heat emission upward
- Raises emitting tube surface temperature for more radiant heat output to works
- Open hangers increase uniformity of tube surface temperature and radiant heat output

### Table

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BTUH</th>
<th>SYSTEM LENGTH</th>
<th>WEIGHT IN LBS.</th>
<th>Mounting Heights for Comfort (ft) (Space Heating)</th>
<th>MINIMUM GAS LINE PRESSURE</th>
<th>MAXIMUM GAS LINE PRESSURE</th>
<th>MANIFOLD PRESSURE</th>
<th>ELECTRICAL</th>
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</thead>
<tbody>
<tr>
<td>UHE 60-20</td>
<td>60,000</td>
<td>21' 6&quot;</td>
<td>190</td>
<td>12 - 20</td>
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<tr>
<td>UHE 60-30</td>
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<td>272</td>
<td>12 - 20</td>
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<tr>
<td>UHE 90-30</td>
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<td>14 - 22</td>
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<td>UHE 130-40</td>
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<td>UHE 160-50</td>
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<tr>
<td>UHE 200-60</td>
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<td>UHE 200-70</td>
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</table>

- 5" W.C. Natural Gas
- 14" W.C. 3.5" W.C. Natural Gas
- 120V 60 HZ 145VA (Internal 24V burner components 21VA)
### Minimum Clearances to Combustibles

<table>
<thead>
<tr>
<th>Clearance to Combustible Material</th>
<th>Suspended Horizontally</th>
<th>Suspended at an Angle Up to 35°</th>
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<tbody>
<tr>
<td></td>
<td>Top</td>
<td>Side</td>
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<tr>
<td>UHE 60</td>
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<td>UHE 130</td>
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</table>

A 'peel & stick' sign is provided with the heater. Use a permanent marker to enter values H, S, F, & B on the sign, then post it adjacent to the thermostat or in a prominent location.

### Flexible Layout

1. Straight line
2. "U" tube with 2 x 90° elbow kits
3. "L" tube with one 90° elbow kit
4. Common 4" x 4" x 6" TEE vent

### Optional Accessories

- TruTemp Infrared Setback Thermostat
  Best Control for IR systems
  Part Number: JM-0150-XX

- 4" Combustion Air Intake Wall Hood
  Part Number: JS-0532-VC

- 4" Horizontal Flue Vent Terminal (wall)
  Part Number: JA-0528-XX

- 4" X 4" X 6" Vent Tee
  Part Number: JA-0514-XX

- 90° Elbow Kit with Coupler & End Cap
  Combine two 90° elbows for 180° elbow
  Part Number: JS-0508-UE

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A flexible gas connector is supplied with the burner.

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