### Applications
Specifically designed for the following uses:
- Hot Water Circulation
- Fan Coil Heating
- Solar Heating
- Radiant Heating Systems

### Specifications
**Pump:**
- Max Capacities: 6 GPM
- Max Head: 11’
- Pipe Connections: ½” FPT and ½” Sweat Suction and Discharge
- Maximum Working Pressure: 145 PSI
- Maximum Temperature: 203° F
- Rotation: counter clockwise when viewed from the motor end

**Motor:**
- Canned Spherical Motor Type
- World Voltage 100-240 Volt 50/60 Hz Cycle
- 12-28 Watts
- Automatic Overload Protection
- Low In-Rush Current

### Features
**Compact Design:**
Close coupled, space saving design provides easy installation.

**Mounting:**
Pump can be mounted horizontally or vertically with motor end down.

### Construction:
Wetted parts are brass, 316SS, thermoplastic, carbon and ceramic for superior corrosion resistance.

### Ceramic Bearing Ball and Carbon Bearing Cap:
High density ceramic bearing ball and graphite impeller bearing cap designed for high efficiency and long life.

### Impeller:
Highly efficient and dynamically balanced with carbon bearing for smooth ultra quiet operation.

### Casing:
Casing is brass construction.

### Mechanical Seal:
Unique patented design has no mechanical seal which is a potential leak path.

### Motor:
Highly efficient and ultra quiet spherical motor design. Pump is designed for continuous operation. All ratings are within working limits of the motor.

### Electronics:
Embedded microprocessor control is self regulating and available with dial control (potentiometer) on the pump.

### Noise level:
Whisper quiet, less than 40 db.

### Weight:
Lightweight construction weighs less than 3 lbs.
Laing Thermotech
E1 and E3 Brass Spec Sheet

Materials of Construction (Wetted Parts)

<table>
<thead>
<tr>
<th>Part</th>
<th>Materials</th>
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</thead>
<tbody>
<tr>
<td>Pump Housing</td>
<td>EPDM or Viton</td>
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<tr>
<td>“O” Ring</td>
<td>Polyphenylene Oxide (PPO)</td>
</tr>
<tr>
<td>Impeller</td>
<td>Carbon/Allumina Ceramic</td>
</tr>
<tr>
<td>Bearing</td>
<td></td>
</tr>
<tr>
<td>All Other Wetted Parts</td>
<td></td>
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</tbody>
</table>

Threaded and Sweat Housing

Ultracirc Housing

E3 Pump Curves

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