

## Hydronic Heat

# SURFACE

## Accessories for Ground Heater models: E1100, E2200, E3000 & CH 5000

### Hose Handling Systems



Add a Hose Handling System (and Pump Pack) to Ground Heater models to thaw even faster, or increase size of area for frost prevention, or concrete curing. All units are equipped with Heat Transfer Hose filled with Heat Transfer Fluid, leader hose, quick-connect brass fittings, and electric foot pedal rewind system.

|                         |     |                 |                 |                 |
|-------------------------|-----|-----------------|-----------------|-----------------|
| Dimensions (L x W x H)  | in  | 48 x 42 x 55    |                 |                 |
| Fork lift               |     | yes             |                 |                 |
| Lift eye                |     | yes             |                 |                 |
| Electrical requirements |     | 120V AC, 60 Hz  |                 |                 |
| <b>Model</b>            |     | <b>HHS 3002</b> | <b>HHS 2202</b> | <b>HHS 1101</b> |
| Hoses                   | ft  | 2 x 1500        | 2 x 1100        | 1 x 1100        |
| Fittings                |     | HTH, HTF        | HTH, HTF        | HTH, HTF        |
| Approximate weight      | lbs | 1850            | 1550            | 1120            |

### Pump Packs



Pump Packs provide a dedicated pump to each extra hose loop, maintaining a high flow rate for even distribution of BTUs over the entire job surface. Increase thaw rate by 50% or increase curing capacity by 200%. Use Pump Packs with HX Heat Xchangers and your Ground Heater provides clean, dry heat to enclosed work spaces.

|                           |           |                                  |  |  |
|---------------------------|-----------|----------------------------------|--|--|
| Dimensions (L x W x H)    | in        | 18.25 x 18.25 x 27               |  |  |
| Weight (single pump)      | lbs       | 125                              |  |  |
| Weight (dual pump)        | lbs       | 160                              |  |  |
| Lift eye                  |           | yes                              |  |  |
| Single pump pack capacity | gph       | 265                              |  |  |
| Dual pump pack capacity   | gph       | 530                              |  |  |
| Electrical requirements   | volts     | 120V, 60 Hz                      |  |  |
|                           | Amps      | single pump 5.6 / dual pump 11.2 |  |  |
| Motor                     | HP (each) | 1/2                              |  |  |
|                           | rpm       | 1725                             |  |  |

### HX-Series Heat XChangers



Powerful liquid-to-air heat exchangers, available in 3 sizes, bring clean, dry heat to your workspace! Simply position HX Heat Xchangers inside structure and aim where you'd like the heat to go. Finish work is a breeze in a warm, dry environment and comfortable employees are more productive.

|                         |       |              |              |              |
|-------------------------|-------|--------------|--------------|--------------|
| <b>Model</b>            |       | <b>HX50</b>  | <b>HX100</b> | <b>HX200</b> |
| Dimensions (L x W x H)  | in    | 16 x 14 x 28 | 21 x 18 x 36 | 28 x 26 x 45 |
| Weight                  | lbs   | 74           | 143          | 235          |
| Lift eye                |       | yes          | yes          | yes          |
| Output                  | Btu/h | 50,000       | 100,000      | 200,000      |
| Air volume              | cfm   | 710          | 1315         | 2400         |
| Static pressure         | wc    | 0.4          | 0.4          | 1            |
| Electrical requirements | volts | 120V / 60Hz  | 120V / 60Hz  | 120V / 60Hz  |
|                         | Amps  | 2.8          | 4.0          | 12.7         |
| Motor                   | HP    | 1/10         | 1/4          | 1            |
|                         | rpm   | 1550         | 1625         | 1075         |

### Red Wave Blankets



Designed specifically to work with portable hydronic heating systems, Red Wave blankets reflect heat downward. Thaw ground faster and cure concrete more evenly. Compact and lightweight, you will see huge savings in labor, storage and freight costs. Insulate your job site the simple way with Red Wave!

|                        |         |                                     |  |  |
|------------------------|---------|-------------------------------------|--|--|
| Dimensions (L x W x H) | ft      | 125 x 6                             |  |  |
| Coverage               | sq ft   | 750                                 |  |  |
| Style                  |         | reflective underside, double-bubble |  |  |
| Weight                 | lbs     | 50                                  |  |  |
| Insulation             | R value | R5 (2 layers)                       |  |  |



**WACKER  
NEUSON**

## Accessories for Air Heat models: PureHeat

### HX-Series Heat Xchangers



Powerful liquid-to-air heat exchangers, available in 3 sizes, bring clean, dry heat to your workspace! Simply position HX Heat Xchangers inside structure and aim where you'd like the heat to go. Finish work is a breeze in a warm, dry environment.

| Model                   |        | HX50         | HX100        | HX200        |
|-------------------------|--------|--------------|--------------|--------------|
| Dimensions (L x W x H)  | in     | 16 x 14 x 28 | 21 x 18 x 36 | 28 x 26 x 45 |
| Weight                  | lbs    | 74           | 143          | 235          |
| Lift eye                |        | yes          | yes          | yes          |
| <b>Performance</b>      |        |              |              |              |
| Output                  | Btu/hr | 50,000       | 100,000      | 200,000      |
| Air volume              | cfm    | 710          | 1,315        | 2,400        |
| Static pressure         | wc     | 0.4          | 0.4          | 1            |
| Electrical requirements | V / hz | 120V, 60hz   | 120V, 60hz   | 120V, 60hz   |
|                         | amps   | 2.8          | 4.0          | 12.7         |
| Motor                   | HP     | 1/10         | 1/4          | 1            |
|                         | rpm    | 1550         | 1625         | 1075         |

### Hose Handling Systems 3004



Provides easy use and storage of additional Heat Transfer Hose for cold weather concrete curing, faster thawing and frost prevention applications. Unit is equipped with Heat Transfer Hose filled with Heat Transfer Fluid, leader hose, quick-connect brass fittings, and electric foot pedal rewind system.

|                         |     |                |
|-------------------------|-----|----------------|
| Dimensions (L x W x H)  | in  | 48 x 42 x 55   |
| Approximate weight      | lbs | 1,850          |
| Fork lift               |     | yes            |
| Lift eye                |     | yes            |
| Electrical requirements |     | 120V AC / 60Hz |
| Model                   |     | HHS 3004       |
| Hoses                   | ft  | 4 x 750        |
| Fittings                |     | HTH, HTF       |

### Booster Pumps

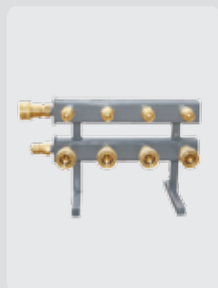


**For heating enclosed spaces:** Use the Booster Pump for applications requiring heat exchangers to be placed further than 400 feet from the Pureheat Hydronic Air Heater (or above 50 feet).

**For surface heating:** Use with hose handling system to thaw ground, prevent frost, or cure concrete.

|                         |       |                |
|-------------------------|-------|----------------|
| Dimensions (L x W x H)  | in    | 30.2 x 14 x 21 |
| Weight                  | lbs   | 112            |
| Lift eye                |       | yes            |
| Pump capacity           | gpm   | 45             |
| Electrical requirements | volts | 120V AC / 60Hz |
|                         | amps  | 15.8           |
| Motor                   | HP    | 1-1/2          |
|                         | rpm   | 3450           |

### 4-Port Remote Manifold



**For thawing ground or curing concrete:** Use with Hose Handling System to thaw ground or cure concrete with Pureheat Hydronic Air Heater. 4-Port supply/return manifold with heavy duty brass quick-connects makes hook up of thawing, curing, or Xchanger hoses easy.

|                        |     |                       |
|------------------------|-----|-----------------------|
| Dimensions (L x W x H) | in  | 20.75 x 11.75 x 11.75 |
| Weight                 | lbs | 26                    |
| Supply ports           |     | 4                     |
| Return ports           |     | 4                     |

