

# ProHeat™ 35

## Induction Heating System

### Quick Specs

#### Process

- Induction Heating

#### Input Power

- 460 – 575 VAC 3-Phase 60 Hz
- 400 – 460 VAC 3-Phase 50/60 Hz

#### Temperature Rating

- Storage: -40° C – +60° C  
[-40° F – +140° F]
- Operation: -30° C – +50° C  
[-22° F – +140° F]

#### Rated Output

- 35 kW at 100% Duty Cycle, 5 – 30 KHz

#### Input Amperes at Rated Output

- 400 V: 60 amps
- 460 V: 50 amps
- 575 V: 40 amps

#### Dimensions

- H: 27-1/2 in. [699 mm]
- W: 21-3/4 in. [552 mm]
- D: 36-3/4 in. [933 mm]

#### Weight

- Net: 227 lb [103 kg]

#### Applications

- Transmission Pipeline – Construction/Repair
- Pipe Fabrication Shops
- Power Piping – Construction/Repair
- Petrochemical – Construction/Repair
- Shipbuilding
- Mining Equipment Maintenance
- Drill Pipe Manufacturing
- Shrink Fit

#### High energy-efficient systems

(more than 90% efficient) transfers more energy to the part, decreasing heating times and improving power efficiency [less than 60-amp current draw].

**Uniform heating** is maintained along and through the heat zone by using induction to heat within the material. The surface of the part is not marred by localized conducted heat at higher than specified temperatures.

**Time-to-temperature** is faster than conventional processes due to the method of applying the heat, reducing heating cycle time.

**On-board temperature control** provides for manual or temperature-based programming in a simple-to-learn operator interface.

**Cable identification system** knows the type of cable attached and limits output to protect cables and blankets.

**Isolation fault protection** provides automatic system shut down should power source output short to ground. A sense lead provides direct feedback to the power source to sense fault condition.

**Low consumable costs.** No fuel costs and minimal insulation costs. Insulation is reusable and may be used 50 times or more, reducing cost of disposal and replacement.

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**Improved working environment** is created during welding. Welders are not exposed to open flame, explosive gases and hot elements associated with fuel gas heating and resistance heating.

**Easy set-up** is achieved using preheat blankets or flexible heating cables combined with user-friendly insulation blankets.

**Multiple output** provides two insulated connectors for air-cooled blankets or liquid-cooled cables.

**Operator tutoring system** provides helpful information to optimize coil arrangements for maximum performance.



ProHeat 35 Liquid-Cooled System shown

1-866-733-3272

Red-D-Arc™