

ProHeat 35 Induction Heating Systems

Weld Preheating,
Post-Weld Heat Treatment,
Coating Removal, Shrink Fit,
Liquid- and Air-Cooled Systems

Sales, Rentals, Lease Programs



Quick Specs

Applications

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

Process

Induction Heating

Input Power

460 - 575 VAC, 3-phase, 60 Hz CSA
400 - 460 VAC, 3-phase, 50/60 Hz CE

Output Frequency

5-30 kHz

Rated Output

35 kW at 100% duty cycle

kVA/kW at Rated Output

39/37

Input Amperes at Rated Output

400 V: 60 amps

460 V: 50 amps

575 V: 40 amps

Temperature Rating

Storage: -40°C to +60°C

Operation: -30°C to +50°C

Dimensions

H: 27.5 in (699 mm)

W: 21.75 in (552 mm)

D: 36.75 in (933 mm)

Weight

Net: 227 lb (103 kg)

Ship: 265 lb (120 kg)

ProHeat 35 Air-Cooled System

Designed for Preheating Applications up to 400° F (204° C), Optional Digital Recorder

The system can be operated in Manual Programming mode where a power output is applied to a part for a specified time or in the Temperature Based Programming mode where the part temperature is used to control power output. Air-cooled blankets are available for pipe diameters from 8 to 56 inches or, in the case of plate, the lengths are from 40 to 185 inches.

Typical Applications for Air-Cooled Induction Heating Systems

On-Shore Transmission Pipelines
Off-Shore Transmission Pipelines (Barge)
Ship Building
Mining



ProHeat 35 Liquid-Cooled System

Designed for High Temperature Preheating, Stress Relieving, and Hydrogen Bake-Out up to 1450° F (788° C), Optional Digital Recorder

The system can be operated in Manual Programming mode where a power output is applied to a part for a specified time or in the Temperature Based Programming mode where the part temperature is used to control power output. Liquid-cooled heating cables provide a highly versatile tool for preheating a variety of pipe diameters and even flat plate. In general, shorter cables are used for a smaller diameter pipe and are easier to handle and set-up. Longer cables are used for larger diameter pipe or small pressure vessels and tanks. Great for preheat applications on geometrics that prevent use of air-cooled blankets.

Typical Applications for Liquid-Cooled Induction Heating Systems

Pipe Fabrication Shops
Field Construction of Power and Process Piping
Shrink Fit
Shipbuilding - Propeller Shafts, Piping Systems, Plate (High Duty Cycle/High Temp)
Mining



Heavy-Duty Induction Cooler is designed with an efficient fin-and-tube heat exchanger, 2-1/2 gallon polyethylene tank, high-pressure pump and blower to yield a high cooling capacity. Includes a flow sensor/indicator and temperature sensor to provide system reliability.

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