

ProHeat™ Rolling Inductor

Induction Heating System 

Quick Specs

Applications

Process Piping
Refinery
Petrochemical
Power Piping
Pressure Vessels

Maximum Preheat Temperature

600° F (315° C)

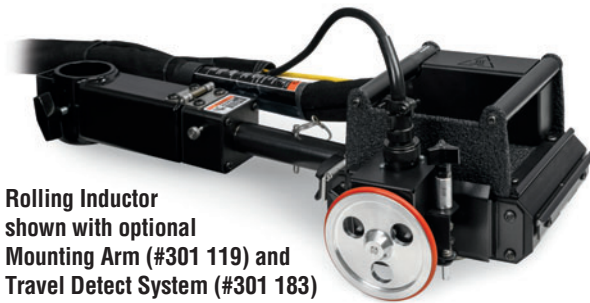
Shipping Weight

40 lb. (18.1 kg)
43.4 lb. (19.7 kg) with Travel Detect System

Induction Head Dimensions

H: 5.5 in. (138 mm)
W: 6.6 in. (168 mm)
10.25 in. (260 mm) with wheel
D: 8 in. (203 mm)

Output Cable Length 30 ft. (9.1 m)



Rolling Inductor shown with optional Mounting Arm (#301 119) and Travel Detect System (#301 183)

The ProHeat 35 Induction Heating System with the Rolling Inductor is a simple and cost-effective heating process that can solve many preheating problems related to moving parts, and delivers fast, consistent heat.



Specially designed for heating moving parts

Maximum productivity. Easy setup, quick time to temperature, and continuous heating increases productivity while reducing consumable costs and labor expenses.

Improved safety. Eliminates open flames reducing burn and explosive gas hazards. Direct heat transfer results in cooler shop environment that reduces operator fatigue and improves work conditions.

Easy to use. Simple to set up and operate. Flexible and portable to fit a wide range of heating applications on pipe, plate and other moving parts.

Optimal consistency and quality. Designed to evenly distribute heat into the work piece, eliminating the inconsistencies and quality issues associated with open-flame-torch heating methods. Travel Detect system (optional) helps to ensure proper heating by folding back or shutting off output if limited or no movement is detected.



ProHeat 35 liquid-cooled system shown with complete Rolling Inductor setup. (Positioner and pipe stands sold separately.)

Specifications (Subject to change without notice.)

Rated Output	Ambient Temperature Range		Maximum Part Preheat Temperature	Required Cooler	Dimensions	Shipping Weight
	Storage	Usage				
300 amps at 100% duty cycle	-40° F to 180° F (-40° C to 82° C)	32° F to 140° F (0° C to 60° C)	600° F (315° C)	Heavy-Duty Induction Cooler (#951 142)	H: 5.25 in. (133 mm) W: 6.6 in. (168 mm) 10.25 in. (260 mm) with wheel D: 8 in. (203 mm)	40 lb. (18.1 kg) 43.4 lb. (19.7 kg) with Travel Detect System



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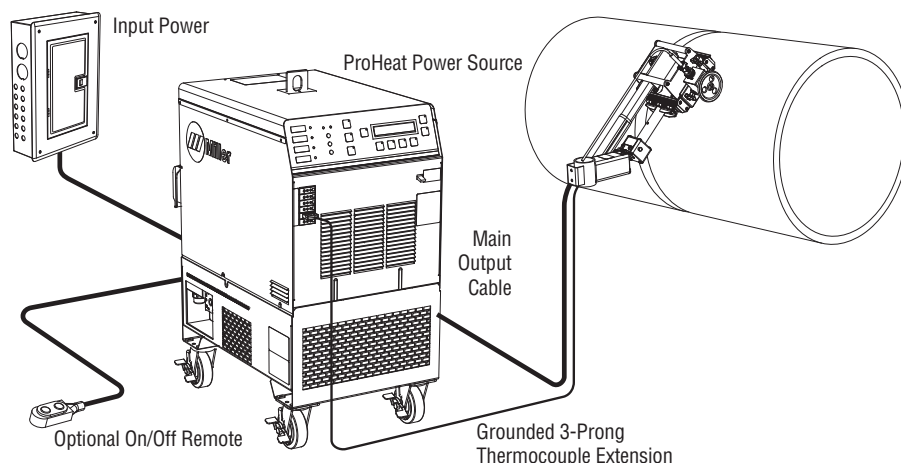


System Configurations

The ProHeat™ 35 can be set up to run a single Rolling Inductor, or two should additional heating be required. Mounting the arm to a pipe stand requires a 1.5 to 2 inches (38.1 to 50.8 mm) outer diameter pipe to hold the head in place while heating.

Single Induction Head Arrangement

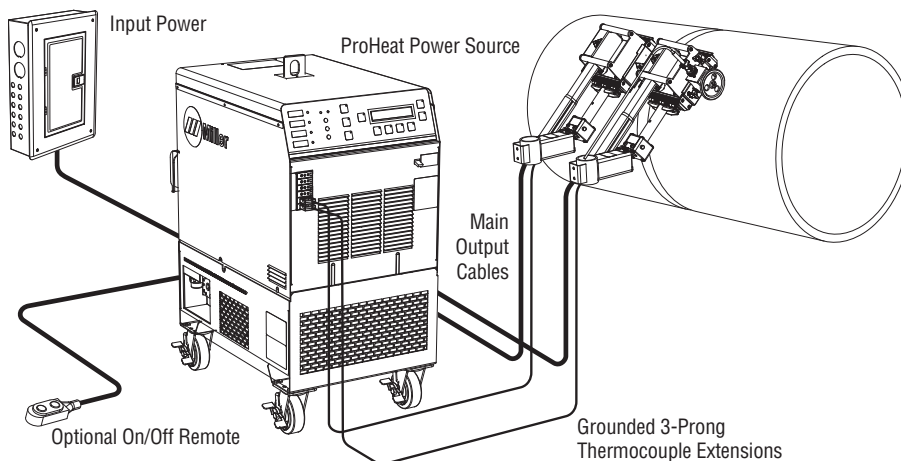
A single Rolling Inductor arrangement requires a thermocouple extension cable and a Rolling Inductor connected to the power source. The thermocouple cable monitors the internal temperature of the Rolling Inductor—it **does not** measure the temperature of the workpiece.



Dual Induction Head Arrangement

A dual arrangement requires two Rolling Inductors and two thermocouple extension cables attached to a single power source. In this arrangement, the output power from the power source is divided equally between the Rolling Inductors (assuming both Rolling Inductors are in direct contact with the material being heated). The thermocouple cable monitors the internal temperature of the Rolling Inductor—it **does not** measure the temperature of the workpiece.

Note: Applications needing 35 kW at 100-percent duty cycle for long durations may require additional cooling capacities.



Ordering Information

Equipment	Stock No.	Description	Qty.	Price
Rolling Inductor	#301 117	Liquid-cooled induction head for use with the ProHeat 35, includes thermocouple extension cable and cable cover		
Mounting Arm	#301 119	Attaches to the Rolling Inductor for mounting to pipe stand		
Travel Detect System	#301 183	Attaches to the Rolling Inductor, comes with cabling and mounting hardware		
RPBS-14 On-Off Switch	#300 666	Provides remote on/off for power source		
ProHeat 35 with Built-In Temperature Control	#907 271	460–575 VAC, 3-phase, 60 Hz, 35 kW power source		
	#907 432	400–460 VAC, 3-phase, 50/60 Hz, 35 kW power source, CE		
Heavy-Duty Induction Cooler	#951 142	Attaches to power source, comes with one case of coolant #043 810 and coolant quick-connect hose assembly #204 877		
Running Gear	#195 436	Attaches to bottom of cooler		

Date:

Total Quoted Price:

Distributed by:

