

# Miller® Induction Heating Tools Comparison Chart

## PROHEAT™ 35 VS. ARCREACH® HEATER

Induction heating is a safe, fast and cost-effective process that reduces inefficiencies and delivers consistent heat. With the ProHeat 35 and ArcReach Heater, you have a choice for what fits best for your needs, portability or power.



### PROHEAT 35

- Up to 35 kW of heat output
- Weighs 349 lb. (with cooler)
- Stand-alone power source: 3-phase power (in shop) and generator (in field)
- Versatile tool for preheating, stress relieving, hydrogen bakeout and post-weld heat treatment (PWHT) up to 1,450°F (789°C)

### ARCREACH HEATER

- Up to 8 kW of heat output
- Portable: 43 lb.
- Uses a Miller ArcReach welding machine/engine drive as the power source
- Preheat and bakeout applications up to temperatures of 600°F (315°C)

## HEATING TOOLS FOR PROHEAT 35 AND ARCREACH HEATER

	AIR-COOLED QUICK WRAP	AIR-COOLED CABLES	AIR-COOLED BLANKETS	ROLLING INDUCTOR	LIQUID-COOLED CABLES
<b>Max. Preheat Temperature</b>	600°F (315°C)	ProHeat 35: 400°F (204°C) ArcReach Heater: 600°F (315°C)	400°F (204°C)	600°F (315°C)	1,450°F (788°C)
<b>Pipe Diameter*</b>	1.5–10 in. (3.8–25.4 cm)	3/4 in. (1.9 cm) and up	8–60 in. (20–152 cm)	Unlimited	3/4 in. (1.9 cm) and up
<b>Available Cable Lengths</b>	N/A	30, 50 and 80 ft. (9.1, 15.2 and 24.4 m)	N/A	N/A	30, 50, 80, 140 and 160 ft. (9.1, 15.2, 24.4, 42.7 and 48.8 m)
<b>Requires Coolant/Cooler</b>	No	No	No	Yes	Yes
<b>Amperage Capability</b>	165 A max./115 A continuous	250 A max./200 A continuous	250 A max./150 A continuous	300 A max.	350 A max.
<b>Width</b>	3.7 in. (9.4 cm)	N/A	Dependent on length of blanket	5 in. (12.7 cm) circular heating area	N/A
<b>Compatible with ProHeat 35</b>		✓	✓	✓	✓
<b>Compatible with ArcReach Heater</b>	✓	✓			

\*All tools except for the air-cooled quick wrap can also be used on flat plates and various other applications.

# APPLYING INSULATION (IF REQUIRED)



## PROHEAT™ 35

PART TEMP	1/2 IN. PREHEAT INSULATION REQUIREMENTS*	
°F (°C)	LIQUID-COOLED CABLES	AIR-COOLED CABLES
122–200 (50–93)	–	–
200–400 (93–204)	1 layer	1 layer
400–600 (204–315)	1 layer	<b>DO NOT USE</b> air-cooled cables to heat in this temperature range
600–1,450 (315–788)	2 layers or post-weld heat treatment blanket**	<b>DO NOT USE</b> air-cooled cables to heat in this temperature range

\*To help avoid damage to heating tool, always protect it by applying insulation on the workpiece anywhere the tool will be placed. Note that in some instances, adding a layer of insulation may increase kW output; be sure to check the parameter screen to monitor kW output on setup.

\*\*To avoid reducing the life of preheat insulation, use 1-inch thick PWHT pads when possible, especially if heating above 800°F.



## ARCREACH® HEATER\*

PART TEMP	1/2 IN. PREHEAT INSULATION REQUIREMENTS*	
°F (°C)	AIR-COOLED QUICK WRAP	AIR-COOLED CABLES
122–302 (50–150)	–	–
302–392 (150–200)	–	1 layer
392–482 (200–250)	1 layer	1 layer
482–600 (250–315)	1 layer	2 layers

\*To help avoid damage to heating tool, always protect it by applying insulation on the workpiece anywhere the tool will be placed. Note that in some instances, adding a layer of insulation may increase kW output; be sure to check the parameter screen to monitor kW output on setup.