

# Cooperheat® Resistance Heating Equipment

## Quick Specs

### Process

- Resistance Heating

### Maximum Heating Temperature

- 32° - 2200 °F

### Input Power

- 92A at 480 VAC, 3-Phase, 60 Hz

**Max Current Output / Channel** 135 amps

**Number of Channels** 6 channels

**Heater Rating** Each heater rated @ 45 amps

**Output Voltage** 42.5 VAC

**Rated Output** 70 kVa @ 100% duty cycle

### Dimensions

- H: 43 in [1110 mm]
- W: 27 in [680 mm]
- D: 26 in [665 mm]

### Weight

- 770 lbs [6330 kg]

### Applications

- Power
- Petrochemical
- Refineries
- Fabrication
- Shipyards
- Structural
- Oil and gas

## Self Perform all of your Heating Applications: Preheat, Bake-out and Post Weld Heat Treatment up to 2200 degrees Fahrenheit!

CooperHeat equipment provides the user with the flexibility to heat treat a variety of pipe welds at the same time.

From simple butt welds to complex pipe work and vessel fabrications, a solution can be tailored to your specifications.

The product line includes all necessary power control units, temperature control and recording instruments, cables, heating elements, insulation and accessories.



## With Resistance Heating, you can tackle any job regardless of material type...

### Cooperheat Makes It Easy

Compliance with international heat treatment codes and standards requires equipment that can provide accurate control of the heat treatment specification parameters, including uniformity of temperature throughout the geometry of the work piece.

As part of a commitment to continuing innovation, Cooperheat 70kVA Heat Treatment Modules include the unique Advantage 3 temperature programmer/controllers which ensure the required temperature uniformity within each control.

The design of Cooperheat equipment is based on over 50 years experience as a market leader in the field of heat treatment and has been developed to meet the real needs of the heat treatment engineering industry.

### Cooper8 Wifi/Remote Access Data Recorder

The innovative Cooper8 is a heat treatment programmer/controller and digital recorder combined unit which is designed to work in conjunction with any standard heat treatment power-source with inputs for contactor control.

It can also be used as a sophisticated 6 Channel programmer with the capacity to download data for analysis and print temperature charts.

The controls of the Cooper8 are extremely intuitive and can be operated and monitored by the operator locally or via remote control. Keep track of your heating application with your phone, tablet or laptop in real time with full control of the heating cycle.

Chart and job specifications can be printed using any Windows compatible device and Cooper8 software.



### Features

- Controls 6 thermocouple channels
- Monitors an additional 6 channels
- Runs 1 or 2 independent heat treatment programs (controls 3 + 3 or 2 + 4 control zones) at the same time
- Heat treatment profiles up to 10 segments. Each segment can be temperature level, ramp up, ramp down or hold period
- 6 output thermocouple sockets (for use with separate recorder if required)
- Range: 0-1200 °C [0-2200 °F]
- Max ramp: 1200 °C or °F / h
- Max soak length: 99 hrs, 59 mins

1-866-733-3272

**Red-D-Arc**

# Cooperheat<sup>®</sup> Resistance Heating Equipment

## Equipment and Accessories

Full 6 Channel Cooperheat PKG	COOPHT6CHPKG	Full 6 Channel set-up w/ 1 powersource, Cooper8, 6 TCS, 12 3-way splitters, 18 ceramic heaters, 6 ea link cables & contractor control leads. With TAU
Half 3 Channel Cooperheat PKG	COOPHT3CHPKG	Half 3 Channel set-up w/ 1 powersource, Cooper8, 3 TCS, 6 3-way splitters, 9 ceramic heaters, 3 ea link cables & contractor control leads. With TAU
Cooperheat 70kVA Cooper8	HT70KV6 HTCOOP8	Heat Treatment Module 6 Channel Advantage3 6 Channel Controller Data Recorder w/ wifi capabilities
Triple cable set (TCS) Thermocouple Attachment Unit 3 Way Splitter 4 Way Splitter 5 Way Splitter Ceramic heater CP6 Ceramic heater CP8 Ceramic heater CP10 Ceramic heater CP12 Ceramic heater CP15 Ceramic heater CP18 Ceramic heater CP21 Ceramic heater CP24 Ceramic heater CP29 Ceramic heater CP36 Insulated Flexible Ceramic Pad	HTTCS100 TCATTACHU HT3WSPLIT  HTCP6 HTCP8 HTCP10 HTCP12 HTCP15 HTCP18 HTCP21 HTCP24 HTCP29 HTCP36 TTT-RDA-INFPC	100ft - 2 welding leads with attached TC wire 120v, Cooperheat w/ automatic Standard splitter to ceramic pad heaters to TCS in chain Special Order Special Order 6" x 19.5", 80V 45A 3.6 kW 8" x 14.5", 80V 45A 3.6 kW 10" x 12.25", 80V 45A 3.6 kW 12" x 9.75", 80V 45A 3.6 kW 15" x 8", 80V 45A 3.6 kW 18" x 6.5", 80V 45A 3.6 kW 21" x 5.75", 80V 45A 3.6 kW 24" x 5", 80V 45A 3.6 kW 29" x 4", 80V 45A 3.6 kW 36" x 3.25", 80V 45A 3.6 kW 2" w/ 6 Magnets - Thermal Tech
CD312 W/ 4 Probes PKG	HTSTUDWELDPKG	Stud Welding PKG w/ 4 SS TC probes
Banding Ratchet Stainless Steel TC Probe Temperature Sensor Probe Compensating link cable Programmer/Contractor control leads 10' Ceramic Heating Rope (40 V) 15' Ceramic Heating Rope (80 V)	HTBNDRTCH HTTCPROBE6 DWG#R100919 HTRECLINKCBL HTCOOP8LC	Cooperheat Sheathed Type K TC probe 6ft (1.8 m) 10' from Precision Measurement w/ TC plugs for temperature recorder input (white) 3 m (green) 10' (40 V) Special Order 15' (80 V) Special Order
Parts and Accessories Superwool Fibre Blanket Superwool TC Type K Wire Thermocouple Plug, Type K Thermocouple Plug (quick connection) Pins Guns Roll of Iron Tie Wire Stainless Steel Banding Tape Box of Banding Clips High Temperature Putty	HTSUPWOOL  43000 516-111Y JILP-K 21632 29266 29259 29260 43007	7.3 m roll of 25 mm thick, 600 mm wide (29608) 1" x 24" x 25' (2192 °F) (1x24-6) 100m roll In-line - yellow In-line (quick connection), Type K Precision Measurement w/ 100 Pins & Washers Soft wire for wrapping ceramic pads and superwool to pipe 30 m roll 100 ct. For thermocouple attachment
Stud Gun Parts CDWP Mild Steel Weld Pins 12 GA CDWP Stainless Steel Weld Pins 12 GA CDWP Stainless Steel Weld Pins 12 GA Washer SC MS 12 GA Washer SC SS 12 GA Collet B 1.375L Protector B Collet Foot CD Std Adj	S11-486 S11-484 S11-485 S11-487 S11-488 S09-791 S06-751 S06-568	x 5 CW 100 ct. x 3" 100 ct. x 4" 100 ct. 1.20" Rnd Gal. 100 ct. 1.20" Rnd 100 ct. 0.105" (12 Ga) 12 & 14 GA ASM.

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