TUTCO SureHeat

Max HT Air Heaters

A Closed-Loop High Temperature Heat Solution

Temperatures up to 1652°F (900°C)

The Max HT provides a compact and efficient heater solution for high temperature applications up to 1652°F (900°C). A dual type "K" thermocouple with a convenient terminal block is included for ease of wiring. Each exposed thermocouple is used to measure inlet and exit air temperature. One is typically used for process temperature control and the other to monitor high temperature limit. Each heater has a convenient method for mounting the housing and offers a ground stud located at the inlet of the heater.

Features and Benefits

High temperature plastic wiring enclosure with built-in connections

◆Small size – 4" diameter body

 Rugged stainless steel heater body and stainless steel mounting base

Available 18kW or 36kW sizes, voltages 240V/3PH to 480V/3PH

Built-in protection for sudden flow loss when used with SureHeat control panel

 Convenient threaded inlet and exit ports for air connections

Built in type K thermocouples

Exposed wire low mass element for fast heatup/cool down

Product Specifications

Maximum Inlet Air Pressure 60 PSI (4 BAR)

Maximum Inlet Air Temperature 200°F (93°C)

Maximum Exit Air Temperature 1652°F (900°C)

Minimum Airflow (Recommended)
18 SCFM (510 SLPM)

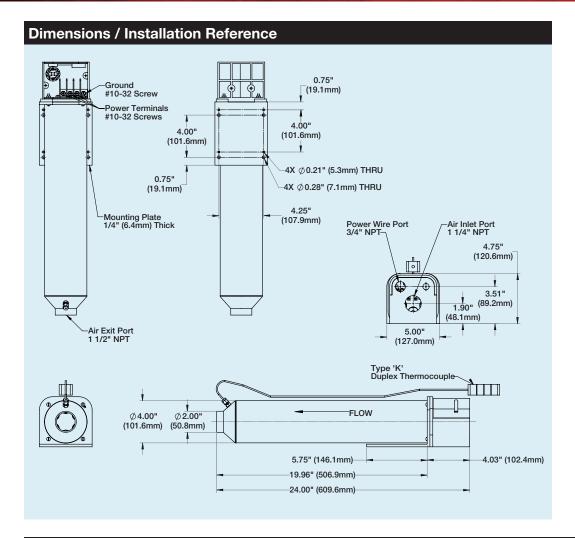
Exit Air Connection:

1-1/2" FNPT

Inlet Air Connection:

1-1/4" FNPT



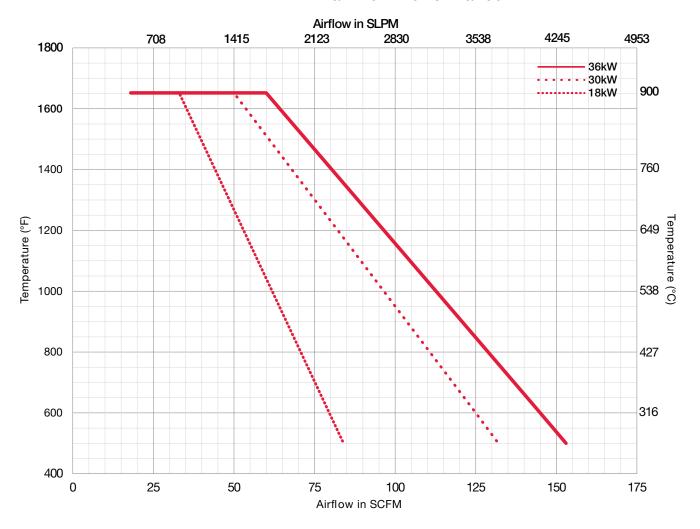


SureHeat® Max HT Products								
Part Number	Power kW	Max. Volts / ø	Max. Amps	Replacement Element				
F077081	18.0	240 / 3	43.4	F206707				
F077082	18.0	380 / 3	27.4	F206662				
F077083	18.0	480 / 3	21.7	F206663				
F077084	30.0	380 / 3	45.6	F206664				
F077085	36.0	480 / 3	43.4	F206598				

Compatible Controllers							
Part Number	Input Power	Phase	Amps	Labeling			
F078135	240/480V 60Hz	3 Phase	30 Amps	UL 508A, RoHS			
F078216	380/400V 50/60Hz	3 Phase	30 Amps	UL 508A, CE, RoHS			
F078136	240/480V 60Hz	3 Phase	60 Amps	UL 508A, RoHS			
F078217	380/400V 50/60Hz	3 Phase	60 Amps	UL 508A, CE, RoHS			

Performance Curves

MAX-HT Maximum Performance



Notes:

- Temperature is measured by a dual "K" T/C sensor located inside the Max HT Housing
- Use of other sensor types and/or locations can result in heater damage
- Minimum airflow for accurate control is 18 SCFM
- Maximum air temperature is 1652°F (900°C)
- Operating above temperature will void the warranty



TUTCO SureHeat 22 Industrial Drive Exeter, NH 03833 Phone 603-418-7662 www.tutcosureheat.com



