## TUTCO SureHeat

# Max Air Heaters

## A Closed-Loop Intelligent Process Heat Solution

## Temperatures up to 1400°F (760°C)

The TUTCO SureHeat Max is a compact and efficient heater solution taht is available in a 6.0kW to 36.0kW, 240V/380V/480V 1ø / 3ø units The Max offers two type "K" thermocouples with a convenient terminal block for easy wiring. To ensure safety, power and perfect control, connect with the optional Max

Control Panel. 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 in wattages 6kW to 36kW, voltages from 240V/1PH 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)

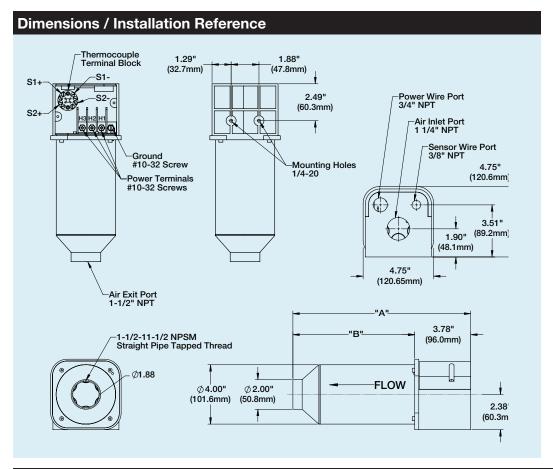
Maximum Exit Air Temperature 1200°F (650°C) for 6kW to 10kW 1400°F (760°C) for 18kW to 36kW

Minimum Airflow (Recommended)
12 SCFM (340 SLPM)

Exit Air Connection: 1-1/2" FNPT

Inlet Air Connection: **1-1/4" FNPT** 



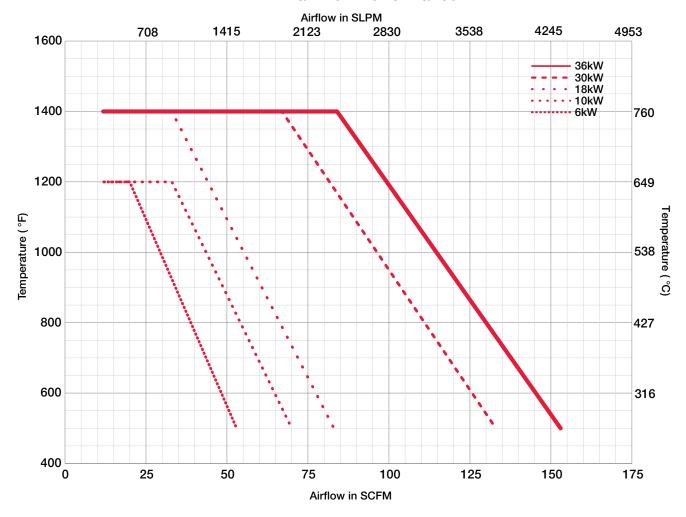


SureHeat® Max Products							
Part Number	Power kW	Max. Volts / ø	Max. Amps	Dim "A" "(mm)	Dim "B" "(mm)		
F074723	6.0	240 / 1	25	12 (304.8)	8.21 (208.53)		
F074724	6.0	240 / 3	14.5	12 (304.8)	8.21 (208.53)		
F074725	6.0	380 / 3	9.1	12 (304.8)	8.21 (208.53)		
F074726	6.0	480 / 3	7.2	12 (304.8)	8.21 (208.53)		
F074727	10.0	240 / 1	41.7	12 (304.8)	8.21 (208.53)		
F074728	10.0	240 / 3	24.1	12 (304.8)	8.21 (208.53)		
F074729	10.0	380 / 3	15.2	12 (304.8)	8.21 (208.53)		
F074731	10.0	480 / 3	12.0	12 (304.8)	8.21 (208.53)		
F074732	18.0	240 / 3	43.4	16 (406.4)	12.21 (310.2)		
F074733	18.0	380 / 3	27.4	16 (406.4)	12.21 (310.2)		
F074734	18.0	480 / 3	21.7	16 (406.4)	12.21 (310.2)		
F074735	30.0	380 / 3	45.6	16 (406.4)	12.21 (310.2)		
F074736	36.0	480 / 3	43.4	16 (406.4)	12.21 (310.2)		

Compatible Controllers								
Part Number	Input Power	Phase	Amps	Labeling				
F078420	240V 50/60Hz	Single Phase	40 Amp	CE Compliant, UL 508A, CE, RoHS				
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 MaximumPerformance



#### Notes:

- Temperatures are measured by internal "K" T/C sensors located inside the Max Housing
- Use of other sensor types and/or locations can result in heater damage
- Minimum airflow for accurate control is 12 SCFM
- Maximum air temperature up to 1400°F (760°C)
- Operating above temperature will void the warranty



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