

Tutco SureHeat

SKORPION™ Air Heater Applications

Tutco SureHeat has developed hundreds of specialty products for the most demanding applications. With air temperatures quickly and accurately controllable to 1652°F (900°C), Tutco SureHeat air heaters are perfect solutions for critical industrial hot-air processes.



Aerospace

- Combustion
- Valve / Flow Simulation
- Component Testing
- Maintenance Repair & Overhaul



Automotive

- Bonding Body Panels
- Curing Adhesives
- Vacuum Forming
- Testing and Simulation



Electronics

- Wave Soldering Air Knife
- Soldering / De-soldering
- PCB Drying Processes
- Wire Insulation Heat-shrink



Packaging

- Sealing / Curing
- Heat-shrinking
- Forming
- Sterilization



Medical

- Pharmaceutical Manufacturing
- Packaging Processes
- Medical Hardware Sterilization
- Wire Insulation Heat-shrink



Plastics

- Salt Removal
- Bending / Forming of Parts
- Bonding Molded Parts
- Curing Adhesives



Textiles

- Welding plastic or vinyl fabrics
- Heat-treating specialty fabrics



Paper Printing

- Speed drying coated paper
- Adhesive activation and curing
- Ink drying

SKORPION™ Air Heater

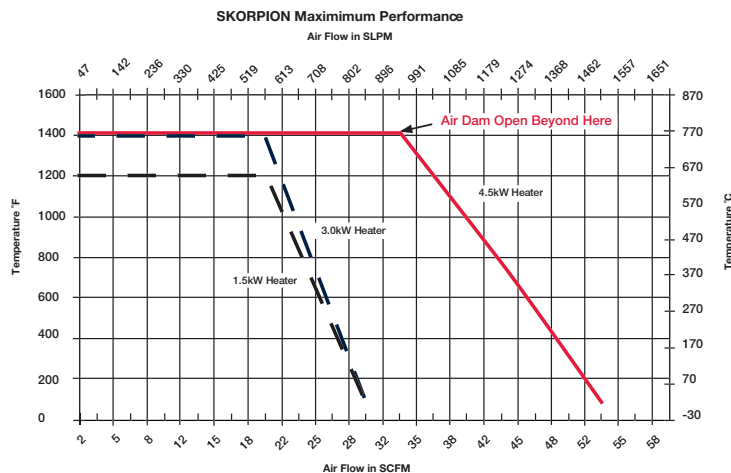
This SKORPION™ Air Heater is a complete heater, including blower and control unit that is ready to plug in and use. The heater features a convenient digital display shows the current operating temperature and built-in over-temperature protection. Models are available without the blower for use with customer supplied air source. SKORPION Air Heaters come with a two-year limited warranty.



Specifications

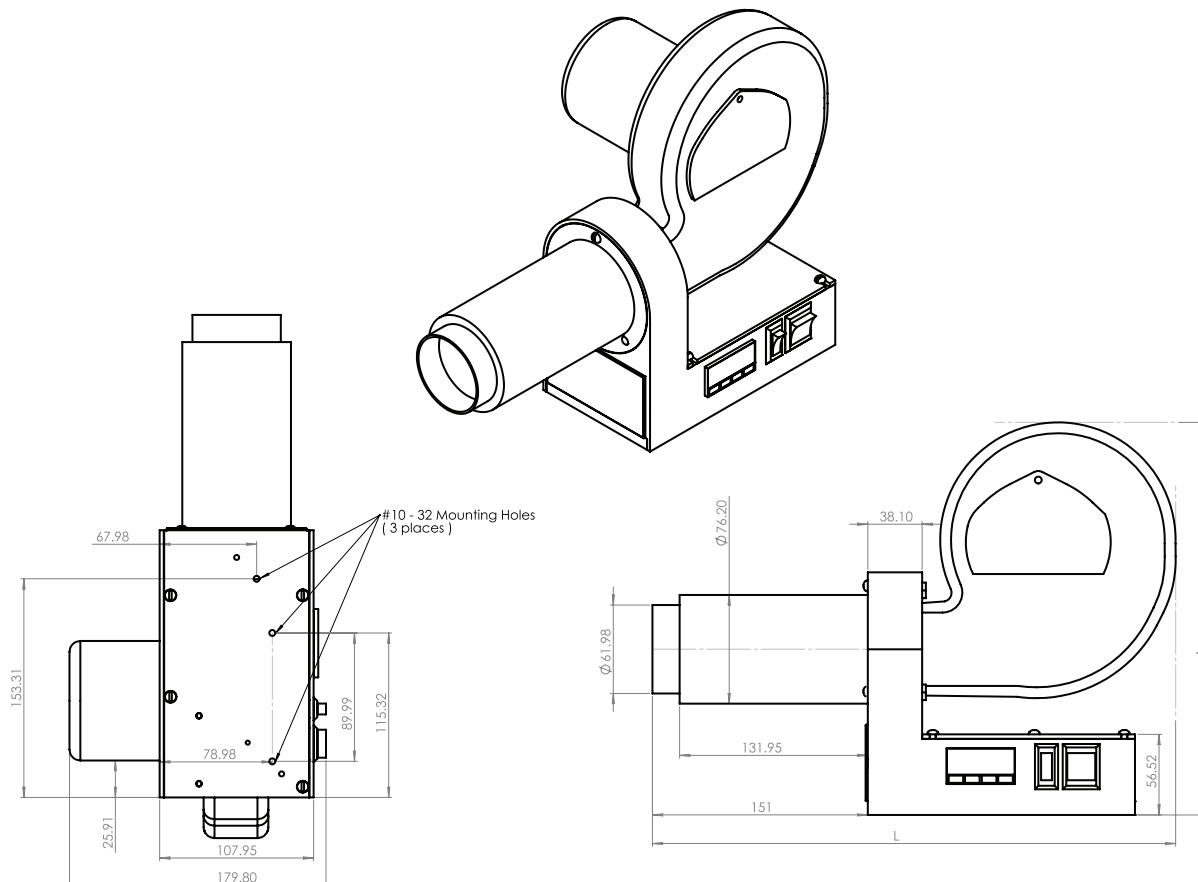
Heating capacity	Controllable to 1400°F (760°C)
Power ratings	1.5kW - 4.5kW, 120/230 - 1ϕ
Maximum inlet temperature	200°F (93°C)
Minimum airflow	Recommended - 2SCFM
Marked	CE 

Performance



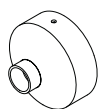
* Air Temperature as measured by internal Type K thermocouple.

Installation

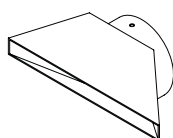


Model Number		Max. Watts	Max. Volts	Max. Amps	Height "A"	Height "B"
075615	SKORPION™	1.5kW	120-1ϕ	12.5A	9.18"	13.38"
075616	SKORPION™	3.0kW	230-1ϕ	12.5A	9.18"	13.58"
076008	SKORPION™	4.5kW	230-1ϕ	20.0A	10.84"	14.44"
075869	SKORPION™ without blower	1.5kW	120-1ϕ	12.5A		
075835	SKORPION™ without blower	3.0kW	230-1ϕ	12.5A		
076029	SKORPION™ without blower	4.5kW	230-1ϕ	20.0A		

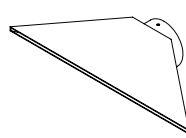
Accessories		
075744	High flow nozzle	21mm (1") diameter opening - slip on mount with set screw
075745	Standard flare	150mm x12mm (6"x0.5") opening - slip-on mount with set screw
075746	Wide flare	300mm x 4mm (12"x0.16") - slip-on mount with set screw



075744



075745



075746

Contact Information

For Orders and Product Information

Tutco SureHeat

22 Industrial Drive
Exeter, NH 03833

Direct: +1.603.418.7648

Toll-Free: +1.800.258.8290

Sales & Tech Support Email: support@tutcosureheat.com

Limited Liability Warranty

Tutco SureHeat warrants that all products to be delivered hereunder will be free from defects in material and workmanship at the time of delivery. Tutco SureHeat's obligation under this warranty shall be limited to (at its option) repairing, replacing, or granting a credit at the prices invoiced at the time of shipment for any of said products. This warranty shall not apply to any such products which shall have been repaired or altered, except by Tutco SureHeat, or which shall have been subjected.

Tutco SureHeat shall be liable under this warranty only if (A) Tutco SureHeat receives notice of the alleged defect within sixty (60) days after the date of shipment; (B) the adjustment procedure hereinafter provided is followed, and (C) such products are, to Tutco SureHeat's satisfaction, determined to be defective.

THE WARRANTY SET FORTH IN THE PRECEDING PARAGRAPH IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY.

The information contained in this manual is based on data considered to be true and accurate. Reasonable precautions for accuracy has been taken in the preparation of this manual, however Tutco SureHeat assumes no responsibility for any omissions or errors, nor assumes any liability for damages that may result from the use of the product in accordance with the information contained in this manual.

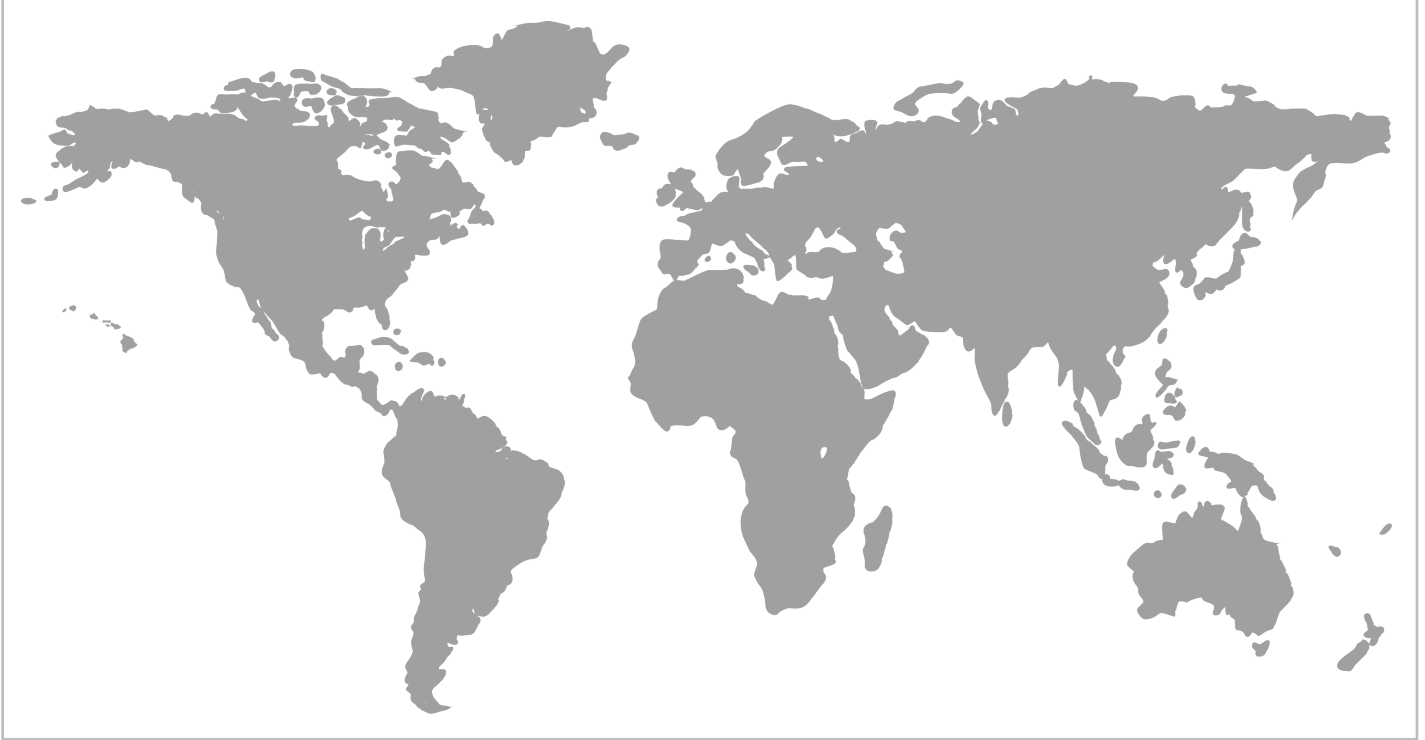
Please direct all warranty/repair requests or inquiries to the place of purchase, and provide the following information, in writing:

- (A) Order number under which products were shipped
- (B) Model/Serial Number of product
- (C) Reason for rejection

PRODUCTS CAN NOT BE RETURNED TO TUTCO SUREHEAT WITHOUT AUTHORIZATION.

Replacement, repair, or credit for products found to be defective will be made by the place of purchase. All products found to be not defective will be returned to the Buyer; transportation charges collect or stored at Buyers expense.

Worldwide Locations



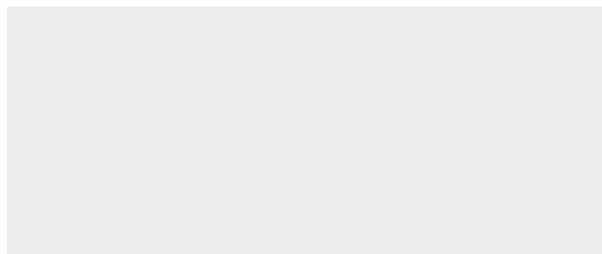
Tutco Heating Solutions Group

North American Headquarters
200 Ballardvale Street
Wilmington, MA 01887
USA

Tutco SureHeat

22 Industrial Drive
Exeter, NH 03833
www.tutcosureheat.com

Your Tutco SureHeat Distributor:



Distributor Locations:

Albania	Hong Kong	Romania
Austria	India	Russia
Australia	Indonesia	Saudi Arabia
Belarus	Italy	Serbia
Belgium	Japan	Singapore
Bosnia	Kenya	Slovak Republic
Canada	Korea	Slovenia
China	Latvia	South Africa
Chile	Lithuania	Spain
Croatia	Luxembourg	Sweden
Denmark	Mexico	Switzerland
Estonia	Moldova	Taiwan
Finland	Netherlands	Thailand
France	Norway	Turkey
Germany	North Africa	Ukraine
Great Britain	Philippines	United Arab Emirates
Greece	Poland	United States of America
Hungary	Portugal	Vietnam

smiths

Tutco is a registered trademark of Smiths Group plc.
Tutco SureHeat is a registered trademark of the Tutco Heating Solutions Group.
All other trademarks are those of their respective owners
© 2018 Tutco SureHeat.

The information and recommendations in this publication are based upon data collected by Tutco SureHeat and believed to be correct. However, no guarantees or warranties of any kind, expressed or implied, is made with respect to the information contained herein, and Tutco SureHeat assumes no responsibility for the results of the use of products and processes described herein. No statements or recommendations made herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence.