

# Electric Thermolier Fan Heater



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## PRODUCT DESCRIPTION

Thermolier Unit Heaters are part of a fan driven hot air heating system which utilises efficient heat transfer technology to keep cost at bay. Traditionally, units have been available for use with steam or hot water. Turnbull & Scott are now pleased to announce that in response to changing requirements and customer demand the Thermolier family has been extended to include an Electric Thermolier.

Electric heating is 100% efficient at the point of use. With the drive to Net Zero Emissions and the corresponding increase in low-carbon electricity generation in the UK, the Electric Thermolier Fan Heater is ideally positioned to help you keep your large spaces heated while delivering on your low carbon strategy.

The heavy duty Electric Thermolier Fan Heater is a high capacity electric unit heater with a powerful fan, producing a high-volume airflow which distributes the heat generated evenly and effectively around the environment in which they are installed. Units are designed for vertical or horizontal mounting and air discharge.

Ideal for space heating in larger areas such as factories, warehouses, workshops, sports halls and open plan stores and for anti-condensation heating in plant rooms.

Front louvers and careful siting of the units gives exceptionally fast warm up and practical heat control in large spaces and the fact that the units require little or no maintenance gives a clear indication of their ruggedness and efficiency.

High ceiling locations inevitably benefit from Thermolier as part of an effective heating solution. Easy to install and control, features include improved air circulation, moisture resistance and no need for wall space.



## KEY FEATURES AND BENEFITS

- Electrically powered - supporting the drive towards Net Zero
- Unique aerodynamic design features optimise heat transfer & minimise airflow resistance resulting in high efficiency
- Rugged heavy duty finned metal sheathed elements
- Totally enclosed permanently lubricated motor for increased reliability
- Automatic reset over temperature cut out for added safety
- Fan delay switch to purge unit of residual heat on switch off
- Draw through design for efficient air circulation
- Adjustable directional louvres for optimum airflow
- Flexibility of horizontal or vertical mounting



## TECHNICAL SPECIFICATIONS

Model	Heat output (kW)	Height (mm)	Width (mm)	Depth (mm)
1	3.3kw	458	368	225
2	5kw	458	368	225
3	7.5kw	624	550	242
4	10kw	624	550	242
5	15kw	732	570	245
6	20kw	869	750	343

N.B. It should be noted that unit heaters, such as this, are 'space heaters' and as such are designed to spread heat across an entire space and are not "spot" heaters that are designed to heat a small occupied area within a larger space. (See our Electric Infrared Heaters for localised heating).

## DESIGN & INSTALLATION

Once the total heating load of the building is calculated, the quantity and capacity of the unit heaters must be determined. A large number of low-capacity heaters provides more uniform heat distribution. This is recommended when the area will be occupied by a relatively large number of sedentary personnel, (i.e. working on production lines and at benches).

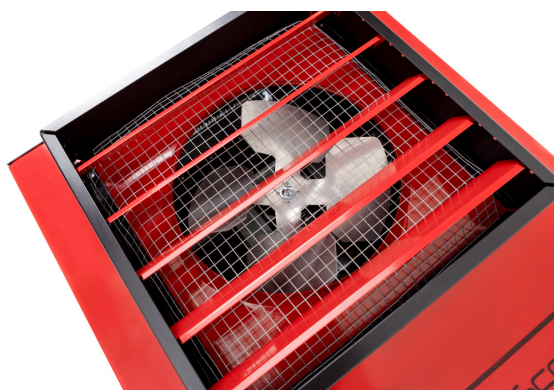
A large number of smaller capacity unit heaters tends to prevent hot drafts, reduces noise levels, and increases diversity of load to help reduce electrical demand and operating costs.

In warehouses where even heat distribution and constant temperatures are less important, a smaller number of high capacity units can be used - in many cases reducing installation cost. To maintain reasonable heat distribution and reduce severe stratification, even in lower bay areas, the total air volume of the space should pass through the unit heaters about three times per hour.

It is important that the rated voltage of the heating equipment matches the supply voltage. Supply voltage in excess of the heater rated voltage can damage equipment. Supply voltage lower than the rated heater voltage will decrease heater output as well as run the risk of damaging some components.

All electric unit heaters are shipped fully assembled. Heaters may be mounted in the horizontal or vertical air discharge configuration using factory supplied mounting equipment or using special hardware facilities supplied by others. The wall and/or ceiling structure must be sufficient to support the combined weight of the heater and any mounting bracket and accessories.

For more detailed installation instructions, please get in touch.



## DECLARATION OF CONFORMITY

Name of manufacturer/supplier: Turnbull & Scott (Engineers) Ltd.  
Unit 1A,  
Burnfoot Industrial Estate,  
Hawick,  
Roxburghshire,  
TD9 8SL  
U K

Description of Product: Heavy duty electric fan heater  
Model No: MP-TH-XX-020 or 021

Serial No: See product label

Year of Manufacture: Incorporated in Serial No.  
B= 2018, C=2019, D=2020 etc.

Directives/Regulations to which the product conforms: 1. The Electromagnetic Compatibility Regulations 2016, with specific reference to BS EN 61000  
2. The Electrical Equipment (Safety) Regulations 2016, with specific reference to BS EN 60335-1:2012 and BS EN 60335-2-30:2009+A11:2012

Name of Authorised Representative: S.R.Mcilwain  
Position of Authorised Representative: Technical Director

### Declaration

I declare that as the authorised representative, that the above information in relation to the supply/manufacture of this product is in conformity with the stated standards and other related documents following the provisions of UK legislation.

This declaration is issued under the sole responsibility of the product manufacturer.

Signed.



Additional Information

The technical documentation for the Electric Thermolier is available from:

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Place of issue: Hawick, Scotland.

Contact: [info@turnbull-scott.co.uk](mailto:info@turnbull-scott.co.uk)

Please use email title; Electric Thermolier technical enquiry

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