Vent-Axia Axial Flow Fans (THGT)

Features and Benefits
- Two ratings available either, 200°C/2h to EN12101-3 or 400°C/2h to EN12101-3
- Available in short & long case models
- 500-1250 diameter
- Adjustable pitch (560-1250)
- Single & two speed motor options
- IP55 Class H motors

Range of adjustable pitch case axial fans specifically designed and certified to extract air or smoke at 400°C for a minimum period of 2 hours in the case of a fire.

Certified to EN12101-3 Standards.

Applications
Car parks, Public buildings, Shopping Malls

Casing
Manufactured from hot dipped galvanised steel.

Impeller
Precision die cast aluminium, available with 3, 5, 6, 7 or 9 blades, with adjustable pitch angle depending on diameter. The complete adjustment of this impeller provides precise selection of pressure and airflow.

Motors
Asynchronous, three phase, rated at 400°C/2h and available in four (4) and six (6) poles. Rated at 230/400V for motors up to 3.0kW and 400V 50Hz for those greater. IP-55, Class H.

Available on request:
- Two (2) speed motors
- Motors rated at 200°C/2h

General Performance Characteristics
The range is extensive, covering 8 standard duct diameters from 500-1250mm. Airflow range up to 31m³/s. Available with 4, 6 pole, single speed motors and 4/8, 6/12 pole, two speed motors.

Accessories
A full range of accessories is available to compliment the fan including:
- Duct Connection Flange (ARO-BRIDA)
- Flexible Connections (ACOPELAST)
- Inlet Guards
- Discharge Guards
- Support Feet

Performance
Airflow tested in accordance with BS848 Part 1
AMCA 210-85
ASHRAE 51-1985
UNE 100-212-89

Typical Ordering

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Poles</th>
<th>Dia.</th>
<th>No Blades</th>
<th>Blade Pitch</th>
<th>Airflow Direction</th>
<th>Motor 1kW</th>
<th>Fire Rating</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>THGT</td>
<td>4</td>
<td>560</td>
<td>5</td>
<td>12L</td>
<td>B</td>
<td>0.55</td>
<td>E400</td>
<td>400V/50Hz</td>
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T: 0844 856 0591
### Dimensions (mm)

<table>
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<tr>
<th>Type</th>
<th>Short casing</th>
<th>Long casing</th>
<th>ØB</th>
<th>C Max.</th>
<th>D</th>
<th>ØE</th>
<th>ØF</th>
<th>N*</th>
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<tbody>
<tr>
<td>THGT-500</td>
<td>180</td>
<td>-</td>
<td>500</td>
<td>390</td>
<td>560</td>
<td>595</td>
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<td>THGT-560</td>
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<td>600</td>
<td>560</td>
<td>434</td>
<td>620</td>
<td>664</td>
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<td>630</td>
<td>622</td>
<td>690</td>
<td>734</td>
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<td>THGT-710</td>
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<td>650</td>
<td>710</td>
<td>512</td>
<td>770</td>
<td>815</td>
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<td>860</td>
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<td>1250</td>
<td>985</td>
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For full performance and selection, please contact our Technical Support Team on 0844 856 0595 for details.