DESCRIPTION
A structurally certified Prefabricated modular assembly that includes a Fantech duct mounted Axial Flow Fan ranging from 560mm to 2000mm diameter. The modular assembly also includes duct transitions, flexible connectors and base frame which incorporates a mounting position for VSD if required. They can simplify installation, improve on-site productivity and save engineering, project drafting and labour costs.

Features
- Structurally certified modular design.
- Certified base frame is manufactured from durable hot-dip galvanised PFC (Parallel Flange Channel).
- Revit files with clash detection available for all models.
- Transitions designed to optimise system performance are available as nude or with 50mm, 75mm and 100mm noise suppressing material.
- Flexible connectors available for standard and high temperature applications.
- Suitable for both floor or hung installations.
- Fitted with certified lifting lugs.
- Pre-wiring of Variable Speed Drives using EMC glands and screened cable is available.

Typical Applications
Commercial and industrial supply or exhaust air applications such as shopping centres, office buildings, hotels and carparks. Can be manufactured to handle most conditions from ambient air to hot, toxic and noxious gases.

Construction
Transitions are manufactured from galvanised sheet outer, with perforated foil inner sheet for diameters up to 710mm, and perforated galvanised inner sheet for diameters 800mm and above. All sizes are available with noise suppressing material. Standard or high temperature flexible connections are fitted to both inlet and outlet transitions.

Certification
- Modular assembly
  Structurally certified to meet Australian Standards:
  AS1170.0:2002 - Structural Design Actions
  AS1170.2:2002 - Structural Design Actions - Wind Actions

SUGGESTED SPECIFICATION
The Prefabricated assembly shall comprise of a duct mounted axial flow fan, transitions and flexible connectors on a structurally certified base frame as designed and manufactured by Fantech Pty Ltd.

Fan casings shall be of galvanised steel. Impellers shall be of GRP (unless nominated otherwise), adjustable pitch and aerofoil section.

Transitions shall be of galvanised sheet outer, with perforated foil inner sheet for diameters up to 710mm and perforated galvanised inner sheet for diameters 800mm and above. All sizes shall be available with noise suppressing material. Standard or high temperature flexible connections shall be fitted to both inlet and outlet of transitions.

The base frame shall be manufactured from hot-dip galvanised PFC (Parallel Flange Channel).

The assembly will be suitable for either floor or hung installations. Additionally it shall incorporate a VSD mounting frame if required and can be matched with anti-vibration spring mounts that meets the requirements of the acoustic specification.


The modular assembly shall be certified to meet Australian Standards:
AS1170.0:2002 - Structural Design Actions.
AS1170.2:2002 - Structural Design Actions - Wind Actions

The lifting lugs shall be certified to meet Australian Standards:

HOW TO ORDER
Contact your local Fantech office for information on how to order.
**PREFABRICATED ASSEMBLIES FOR AP/APS AXIAL FANS**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Series</th>
<th>Dimensions, mm</th>
<th>Fan Diameter</th>
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<tbody>
<tr>
<td>056</td>
<td>560 700 800 930 300-600 399 30 770 930-1230</td>
<td>890 505</td>
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<td>2735 1450</td>
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</table>

**TRANSITION DIMENSIONS AND INTERNAL WALL MATERIAL**

To suit a range of applications, the prefabricated assembly’s square to round transitions are available as nude and with noise suppressing material in 50, 75 and 100mm thickness configurations, covered with foil or perforated steel.

**FITMENT OF YOUR TRANSITIONS & VSD’s**

Transitions and flexible connections that have different heights and widths to those offered above can be free issued to Fantech and mounted to the required prefabricated assembly. Dimensional limitations on transitions, ie height above and below fan’s centre, and transition width (see illustrations below and right), will be based on symmetry, total assembly weight and dimension restrictions on fan selection. VSD’s free issued to Fantech can be fitted and wired to fan. Please contact Fantech for more detailed information regarding dimensional limitations and VSD fitment.

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