

For **Faster,** more **Efficient** Project Delivery



PREFAB
ASSEMBLIES

- > Assemblies include axial fans from 560mm to 2 metres
- > Suitable for both floor or hung installations
- > Designed to optimise system performance
- > Revit models available with clash detection

Fantech's structurally certified prefabricated assemblies combine its high quality range of axial fans with transitions, flexible connectors and anti-vibration mounts. This modular system simplifies installation, improves on-site productivity and saves engineering, project drafting and labour costs.



Improves on-site productivity

On-site installation of individual components requires storage and working space that often causes site congestion, OH&S issues and time wastage from needing to collect and assemble components. Installing a prefabricated modular assembly ensures a high quality product built on time, as the manufacturing process takes place within a controlled factory environment. The assembly is then simply lifted and mounted into position which simplifies the installation, improves on-site productivity and helps control labour costs. It also means project delays caused by waiting for single components to be delivered to site will no longer be an issue.

The Fantech prefabricated assemblies include:

- 1 Adjustable pitch axial in-line fans ranging from 560mm to 2 metres diameter
- 2 Fan to duct transitions
- 3 Flexible connections
- 4 Base frame
- 5 Anti-vibration mounts
- 6 VSD can be fitted as an option

Reduces site traffic congestion

A Fantech prefabricated modular assembly can also reduce the number of product deliveries to site. This not only helps to minimise site traffic congestion but also reduces carbon emissions.



PreFab delivery



Built for optimal performance and durability

Each prefabricated assembly has been designed for optimal performance and to suit a range of installations. The 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. Their outer skin is manufactured from galvanised sheet to ensure a long lasting durable construction.

Flexible connectors are fitted at both the inlet and outlet of the fan and are available for standard and high temperature applications.

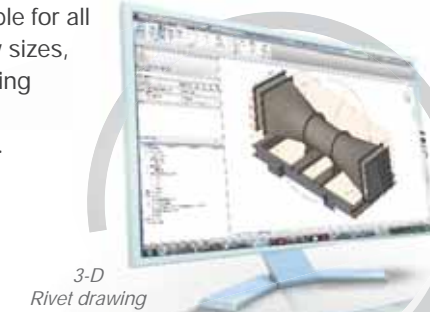
Suitable for both floor and hung mounted installations, the assembly is supplied with mounts to isolate and absorb vibration as well as meet the requirements of the acoustic specification.

To ensure the prefabricated assembly is easy and simple to manoeuvre on-site, heavy duty casters are fitted to the base frame. This helps to improve installation productivity and reduce OH&S risks on the job site.



Reduced engineering and drafting costs

Cost savings can be made in the design stages of the project due to the modular, certified designs needing no client engineering. Furthermore, three dimensional Revit models are available for all modular assembly sizes, significantly reducing project planning and drafting costs.

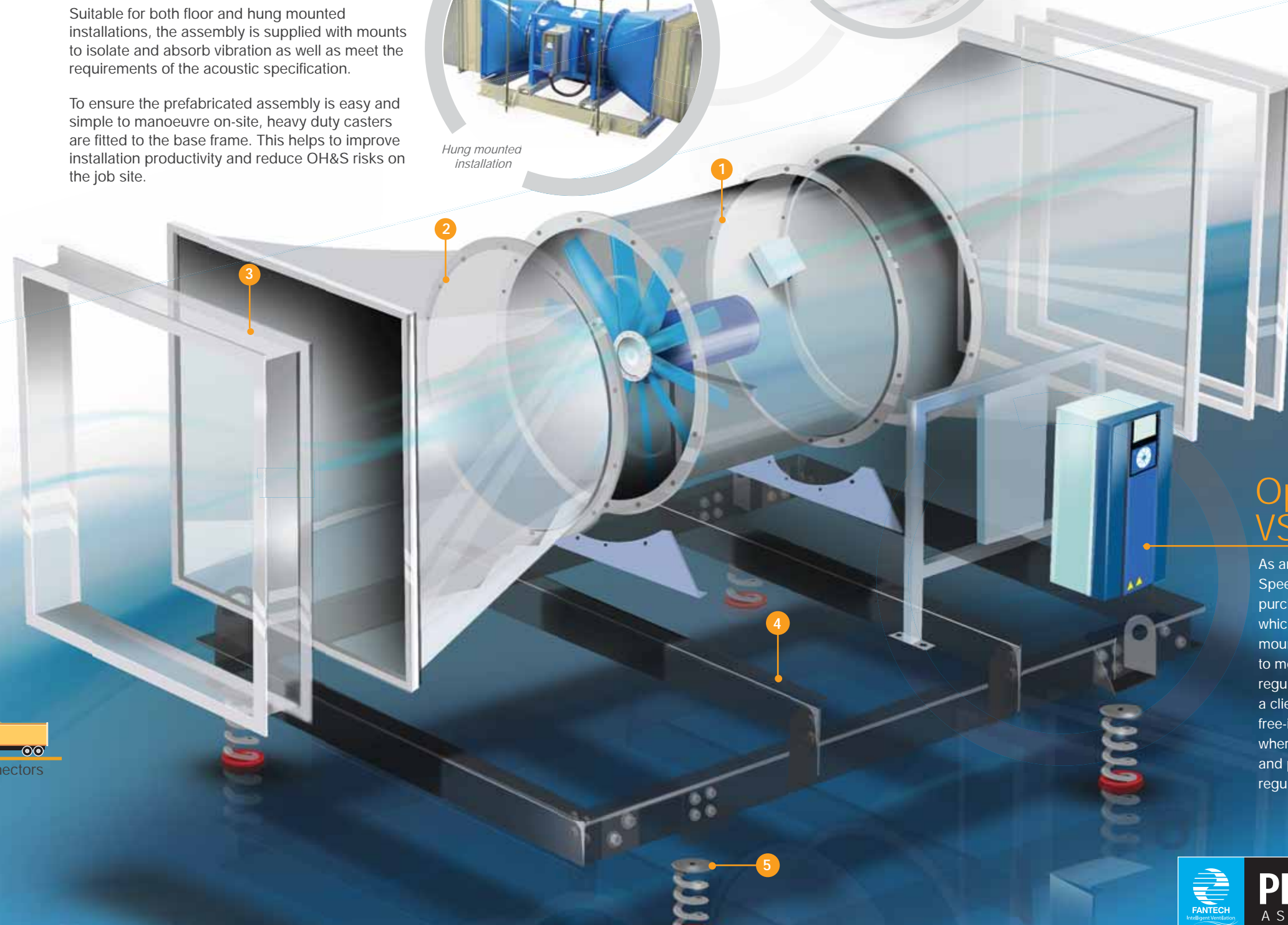


Structurally certified to Australian Standards

The modular assemblies have been structurally certified, which ensures compliance with structural regulations. The modular assemblies meet the following Australian Standards:

- AS1418.1 Cranes, Hoist and Winches – General
- AS3990-1993 Mechanical Equipment Steel work.

The certified base frame is manufactured from high strength Parallel Flange Channel and is hot-dip galvanised for additional corrosion protection. The frame also incorporates 4 brackets that provide a mounting pad and lifting lug that helps make securing the unit into position more convenient.



Optional VSD

As an option, a Variable Speed Drive can be purchased from Fantech which will be suitably mounted and pre-wired to meet EMC electrical regulations. Alternatively a client's VSD can be free-issued to Fantech where it can be mounted and pre-wired to electrical regulations.

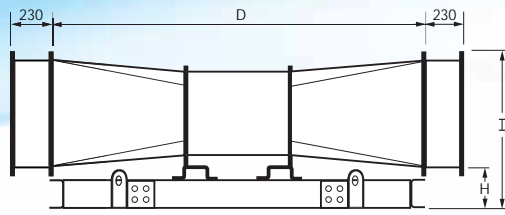
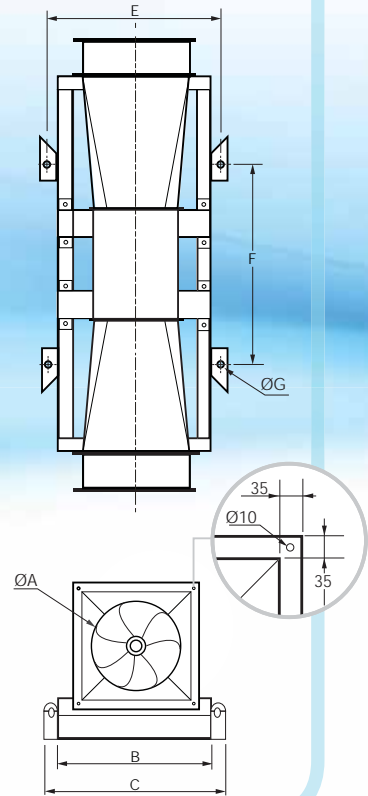


Suitable for a wide range of installation types

Fantech's structurally certified prefabricated assemblies include its high quality range of axial fans from 560mm to 2 metres diameter. They are combined with transitions, flexible connectors and anti-vibration mounts to improve on-site productivity and save engineering, project drafting and labour costs.

Product Code	ØA	B	C	D (Max)	E	F	ØG	H	I
PAP056	560	870	994	2000	944	1170	13	155	890
PAP063	630	970	1094	2000	1044	1170	13	150	985
PAP071	710	1070	1194	2000	1144	1170	13	150	1085
PAP080	800	1170	1370	2500	1290	1645	17	250	1285
PAP100	1000	1420	1620	2500	1540	1645	17	255	1540
PAP125	1250	1720	1920	2500	1840	1645	17	255	1840
PAP140	1400	1770	2010	3000	1900	2370	17	313	1948
PAP160	1600	1970	2210	3000	2100	2370	17	350	2185
PAP180	1800	2170	2410	3000	2300	2370	17	350	2385
PAP200	2000	2470	2710	3000	2600	2370	17	300	2635

Dimensions in mm



Transition dimensions and internal wall material

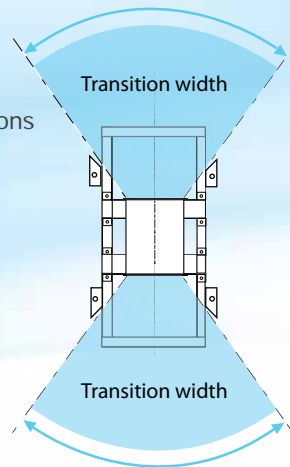
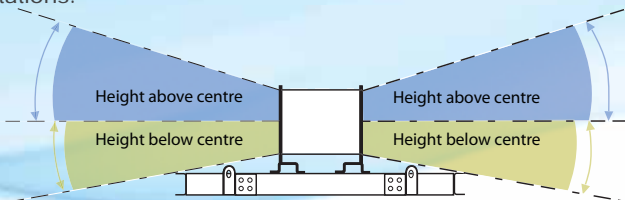
To suit a range of applications, the prefabricated assembly's square to round transitions are available as nude and with noise suppressing material in 50, 75 and 100mm thickness configurations, covered with foil or perforated steel.

Fan Diameter	560	630	710	800	1000	1250	1400	1600	1800	2000
Transition (Internal, from flange)	700 x 700	800 x 800	900 x 900	1000 x 1000	1250 x 1250	1550 x 1550	1600 x 1600	1800 x 1800	2000 x 2000	2300 x 2300
Noise Suppressing Material Lining	- Perforated Steel - Foil	- Perforated Steel - Foil	- Perforated Steel - Foil	- Perforated Steel	- Perforated Steel	- Perforated Steel	- Perforated Steel	- Perforated Steel	- Perforated Steel	- Perforated Steel

Dimensions in mm

Fitment of your Transitions

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. Please contact Fantech for more detailed information regarding these limitations.



For further information visit www.fantech.com.au/prefab or scan the QR code.



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Specifications and design subject to change without notice.