

Prefabrication specification

- The duct mounted axial flow fan shall be prefabricated into a structurally certified modular assembly that includes transitions, anti-vibration mounts, flexible connectors and base frame which incorporates a mounting position for VSD if required, 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 steel, internal lining where required with inner perforated foil up to 710mm diameter or perforated galvanised sheet for diameters 800mm and above and will be filled with noise suppressing material. Standard or high temperature flexible connections shall be fitted to both inlet and outlet of transitions.
- Certified base frame is manufactured from hot-dip galvanised PFC (Parallel Flange Channel) and incorporates a combined lifting lug and integral mounting pads. The assembly will allow for either floor or hung installation and will be supplied with spring anti-vibration mounts to meet the requirements of the isolation section of the specification. Additionally the system shall incorporate a VSD mounting frame if required.
- All axial flow fan models shall be fully tested for air flow to BS848:Part 1, 1980 or ISO5801:1997 and noise to BS848:Part 2, 1985.
- The modular assembly has been structurally certified to meet the following Australia Standards AS1418.1 Cranes, Hoist and Winches - General and AS3990-1993 Mechanical Equipment Steel work.