The AP Series of duct mounted adjustable pitch axial flow fans is available in the following variants:-

- AP Series - direct-drive
- APV Series - direct-drive vertical mounted
- APS Series - direct-drive smoke-spill
- APB Series - belt-drive
- BFA Series - bifurcated, direct-drive

**Construction**

The casings are of mild steel, hot-dip galvanized after manufacture. Impeller blades shall have an aerofoil section and be pressure die-cast aluminium, injection-moulded glass-reinforced plastic or nylon. Anti-static blades for hazardous applications up to 1400mm diameter, are also available.

**Motors**

Type - squirrel cage induction motor which can be selected to suit virtually any specification.

Electricity supply - single or three-phase to suit a wide range of voltages and frequencies.

Bearings - ball.

See pages N-3/4 for details on motors. Motors to meet Australian Ex e, Ex d, Ex n or D.I.P. Standards can be fitted.

**Internal Thermal Protection**

Can be provided as an optional extra.

**Testing**

Air flow testing:-
- 315-1000mm diameter - BS848:Part 1, 1980
- 1250-2000mm diameter - ISO5801:1997

Noise testing all sizes to BS848:Part 2, 1985

**Special Features**

Suitable for a wide range of applications, ranging from handling ambient filtered air to hot, toxic and noxious gases.

**Hazardous fume applications**

AP Series fans can be made to accommodate requirements for corrosive fume and explosion risk applications. Special coatings and alternative materials, such as stainless steel, are available as well as increased safety motors and anti-static impellers. Our sales engineers are able to assist with requirements, which must be specified at time of quotation.

**Wiring Diagram**

See pages M-6/7, diagrams DD 1, 2, 3, 7, 8, 9.

**Weights**

See pages C-112/113 to determine unit weights.

**Dimensions**

See pages C-110/111 for dimensions.

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**FEATURES**

**ANCILLARY EQUIPMENT**

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**SMOKE-SPILL APPLICATIONS**

The APS Series has been tested to meet the air performance and high temperature test requirements of Standards AS/NZS1668.1:1998 and AS/NZS4429:1999; both tests are mandatory.

For advice on smoke-spill wiring requirements refer to the above Standards.

See page C-7 for details of the smoke-spill range available.

**HOW TO ORDER**

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Fan diameter in cm

Fan speed, no. of poles

Hub diameter code

A = 150   D = 400
B = 250   F = 550
C = 350   G = 255

Aluminium blades, A

GRP, P

Nylon, N

Antistatic blades, E

No. of blades

Blade pitch angle, deg.
The quick selection curves on these pages are designed to assist users to determine the fan diameter, speed, approximate noise level and dimensions of the fan to meet the specified duty.

Refer to Section C for detailed selection information.

Detail including the number of blades and power absorbed is shown on pages C-11109 or is available from the Fantech CD program.

Pages C-2/8 provide detailed information on these products. An example of how to use the curves is shown on page C-9.

The dimensions for all fans are on pages C-110/111.

Weights can be determined from details on pages C-112/113.

Model Numbers

- AP - direct-driven; 315 to 2000mm diameter
- APV - direct-driven; 315 to 2000mm diameter
- APS - direct-driven; 315 to 2000mm diameter
- APB - belt driven; 315 to 2000mm diameter
- BFA - bifurcated; 400 to 1250mm diameter

The axial fans shall be of the AP/AV/APS/APB/BFA design(s) as manufactured by Fantech Pty. Ltd.


Casings shall be hot-dip galvanised mild steel. Impellers shall be of aerofoil section glass-reinforced plastic (GRP), nylon, or aluminium; GRP is standard where selection permits.

SUGGESTED SPECIFICATION

The axial fans shall be of the AP/AV/APS/APB/BFA design(s) as manufactured by Fantech Pty. Ltd.

Please be informed that this brochure copy is abstracted from our main catalogue. Fans by Fantech in hardcopy or you may visit our website www.eltafantechasia.com for the electronic copy.

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