

PROFILE FAN SERIES



FEATURES

To eliminate the need for building costly upstands when mounting roof units, Fantech has developed the Profile Fan. Mounting these units is as easy as cutting a rectangular hole in the roof, placing the fan in position, and fixing it with tek-screws or similar. No flashing is required. All that is needed to weather-proof the Profile Fan is a bead of silicon.

The Profile Fan is available with either axial or centrifugal impellers and has profiles to suit Trimdek*, Custom Orb*, Klip-Lok*, Spandek* and Brownbuilt styles.

A Relief Air Vent, model PFR30 is also available; see page D-38.

Construction

Cowl, base and inlet spigot are of UV-stabilised plastic. Steel components have a corrosion-resistant finish.

Motors

Type - external rotor, squirrel cage induction motor.
Electricity supply - 220V-240V, single-phase, 50Hz.
Bearings - sealed-for-life, ball.
Speed-controllable.
See pages N-2/3 for details on these motors.

Internal Thermal Protection

Auto-reset thermal contacts are fitted as standard.

Testing

Air flow tests to BS848:Part 1, 1980.

Noise data is based on tests conducted in accordance with BS848:Part 2, 1985.

Special Features


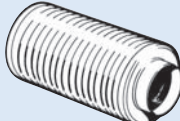



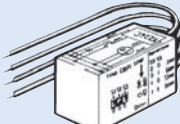
Suitable for free and ducted intake installations. For ducted installations, an inlet spigot is available as an optional extra.

Can be mounted at angles of 30°.

Wiring Diagrams

See page M-8, diagram ER4.

ANCILLARY EQUIPMENT

 IS30P - Inlet Spigot Ref. D-29	 CC - Attenuator Ref. H-3	 FC - Fast clamp Ref. J-5
 SSC - 2-Speed switch Ref. L-5	 VA - Speed controller Ref. L-6	 VZ - Run-on timer Ref. L-10

SUGGESTED SPECIFICATION

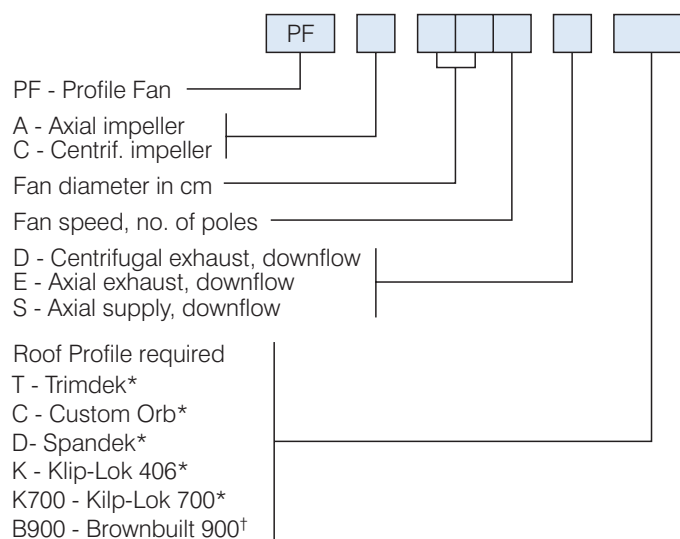
The roof ventilators shall be of the Profile Fan Series as designed and manufactured by Fantech Pty. Ltd.

The axial or centrifugal impellers shall be direct driven by speed-controllable external rotor motors with integral thermal contacts.

Plastic components shall be UV-stabilised. Steel components shall have a corrosion-resistant finish.

All models shall be fully tested to BS848:Part 1, 1980 for air flow. Noise data is based on tests conducted to BS848, Part 2, 1985.

HOW TO ORDER

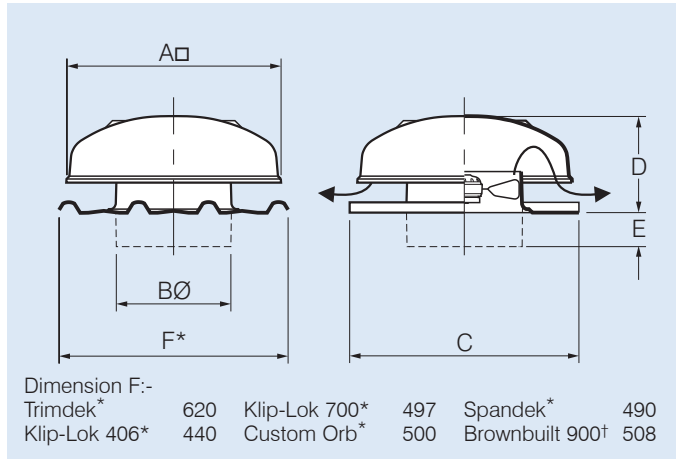


For Relief Air Vents specify PFR30, see page D-38 for details.

* Registered trade mark of Bluescope Steel Limited

† Available in New Zealand only

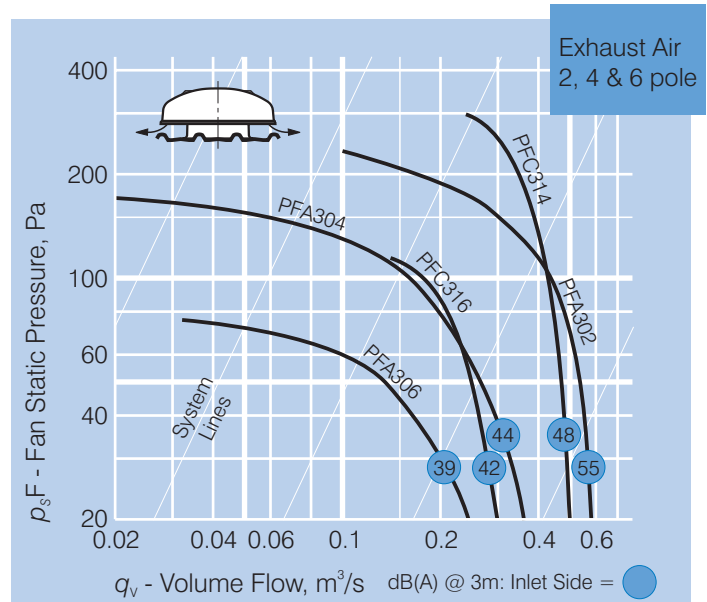
DIMENSIONS



Model Number	Dimensions, mm					Approx. weight kg	Approx. volume m³
	A	B	C	D	E		
PFA302						6.9	
PFA304						6.5	
PFA306	570	290	640	265	100	6.5	0.13
PFC314						8.7	
PFC316						8.4	

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TECHNICAL DATA

Model Number	Fan Speed rev/sc	Avg. dB(A) @ 3m	Single-phase Watts	Amps*	Max °C
PFA302	41	55	180	0.79	50
PFA304	22	44	90	0.41	50
PFA306	16	39	50	0.23	50
PFC314	23	48	150	0.66	40
PFC316**	15	42	70	0.54	40

* Amperages shown are a guide only, refer to our Sales Department for accurate figures at time of order.

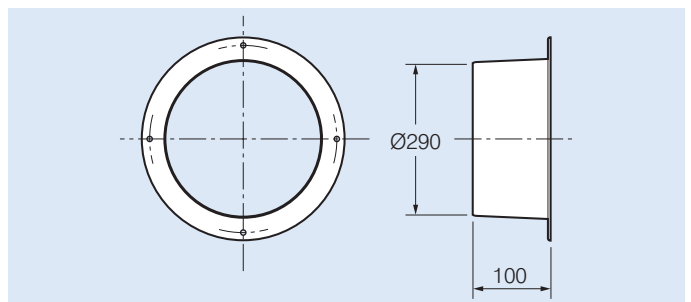
** Not speed controllable

NOISE DATA

Model Number	In-duct Sound Power Levels							
	L_w dB re 1pW	63	125	250	500	1k	2k	4k
PFA302		67	74	74	75	70	67	64
PFA304		66	67	67	63	58	54	49
PFA306		58	64	64	54	47	53	39
PFC314		81	77	69	66	58	58	56
PFC316		76	68	64	60	54	54	48

Sound Power Levels shown are for the Inlet Side of the unit.

IS30P - INLET SPIGOT



The Inlet Spigot, IS30P, is designed for applications where ducting is required. Care should be taken when installing ductwork as neither the spigot nor the roof unit base is designed for weight-bearing.