

TILE FAN SERIES



FEATURES

The Tile Fan Series was developed to simplify the installation of roof ventilators on tiled roofs. Designed to match the Boral and Monier concrete roof tiles, installation is a simple matter of lifting out a tile, putting the fan unit in its place and connecting to the electricity supply.

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 - 220-240V, single-phase, 50Hz/60Hz.
Bearings - sealed-for-life, ball.
The TFA202 and 204 are speed-controllable.
See pages N-2/3 for details on these motors.

Internal Thermal Protection

Auto-reset thermal contacts are supplied 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 and is detailed on page D-31.

Designed to match Boral and Monier concrete roof tiles.

Can be mounted at angles of 30°.

Wiring Diagram

Not required; fitted with a 3-pin plug.


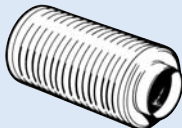



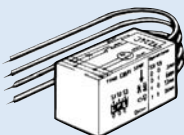
SUGGESTED SPECIFICATION

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

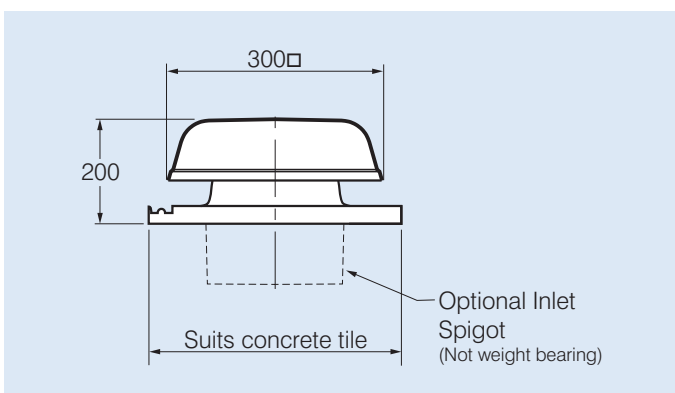
The axial impellers shall be direct driven by external rotor motors with integral thermal contacts.

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.

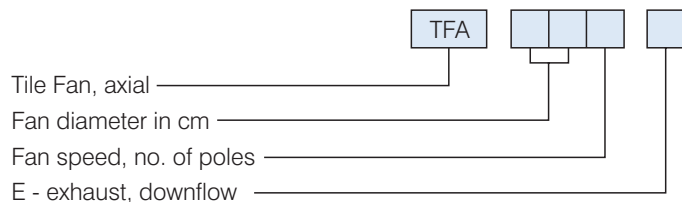
ANCILLARY EQUIPMENT

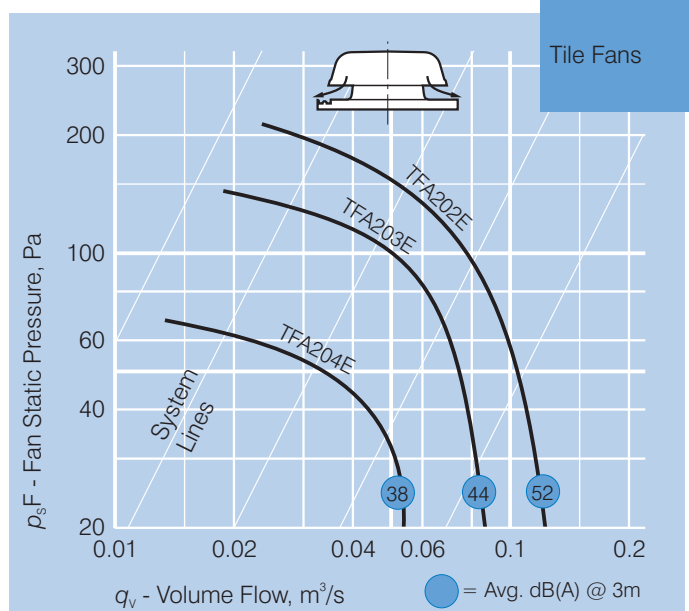
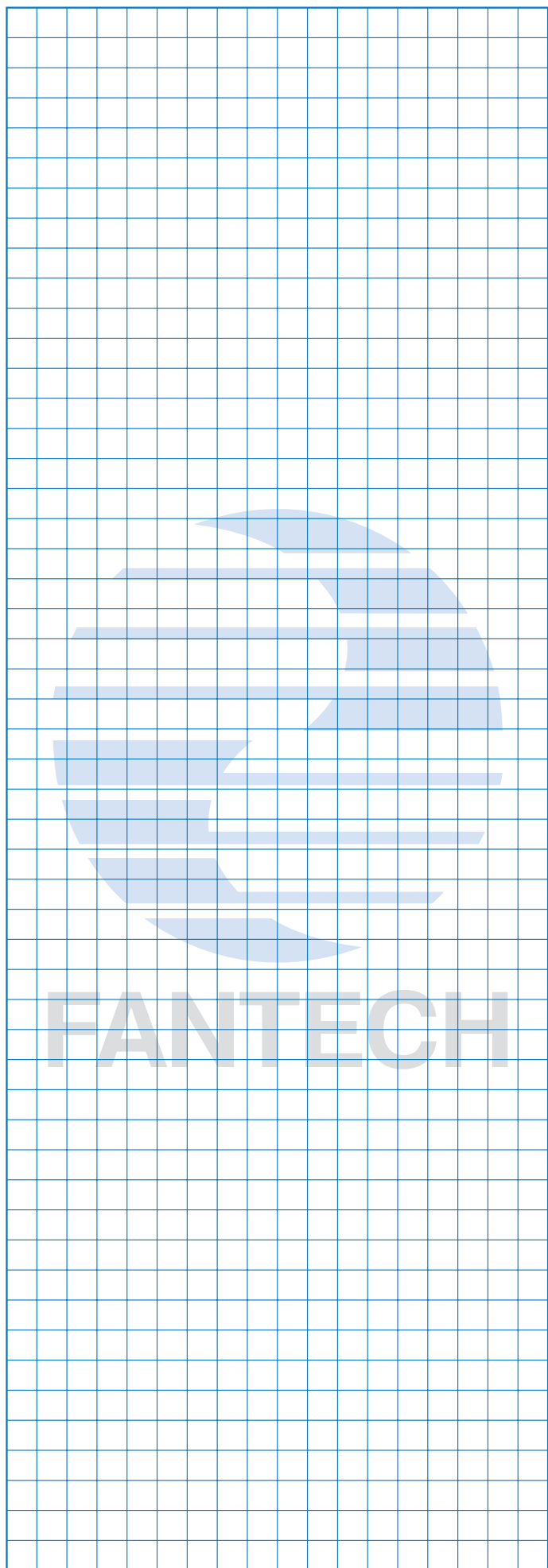
 IS20T - Inlet Spigot Ref. D-31	 CC - Attenuator Ref. H-3	 FC - Fast clamp Ref. J-5
 SSC - 2-Speed switch Ref. L-5	 VA - Speed controller Ref. L-6	 VZ - Run-on timer Ref. L-10

DIMENSIONS



HOW TO ORDER





TECHNICAL DATA

Model	Fan Speed r/s	Avg. dB(A) @ 3m	Watts	Amps*	Max °C	App. wt. kg
TFA...						
202	43	52	70	0.36	50	4.6
203**	35	44	60	0.30**	50	4.6
204	24	38	30	0.14	60	4.6

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

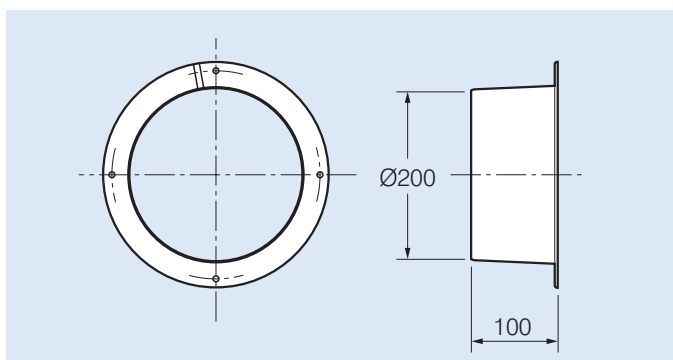
** The TFA203 is not speed-controllable.

NOISE DATA

Model	In-duct Sound Power Levels L_w dB re 1pW						
	63	125	250	500	1k	2k	4k
TFA...							
202	67	69	73	71	66	65	59
203	60	67	66	64	59	46	49
204	53	65	59	57	52	47	39

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

IS20T - INLET SPIGOT



The Inlet Spigot, IS20T, 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.