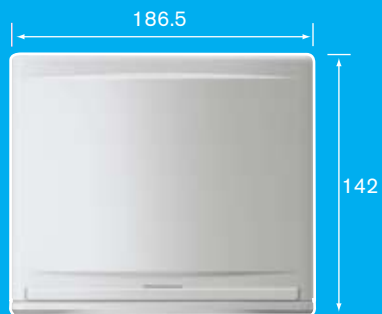


SF90

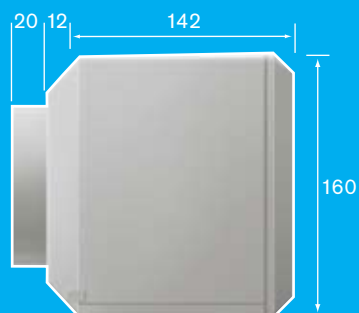
Centrifugal surface-mounted fan with filter

Physical specification

All measurements in millimetres.



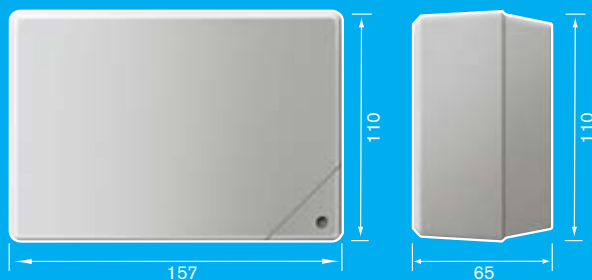
Front



Side



Bottom



Transformer

Weight: 1.3 Kg, SELV Controller – 1.173kg.
Materials: Satin finish white ABS plastic, with PVC exhaust seal.
SELV Controller – White satin finish, ABS plastic.

Features

- 100mm surface mounted centrifugal fan
- Suitable for wall, window, ceiling and panel installations
- Anti-backdraught damper and pull cord insulating link
- Backplate can be fully installed before fan and motor assembly are fixed to enable easy installation.
- Modern, stylish front fascia design
- Integral filter – easily removed for washing
- Continuous model provides low level ventilation at all times

Controls

Model	Operation	IP	Voltage
SF90B	Basic to light switch and pull cord.	44	230
SF90T	Single speed with timer (adjustable to 30 mins) and pull cord.	44	230
SF90DT	Dual speed with delay timer (adjustable to 30 mins) at trickle speed.	44	230
SF90HT	Humidistat/timer and pull cord.	44	230
SF90SVIT	SELV timer and pull cord.	57	12
SF90SVIHT	SELV humidistat/timer and pull cord.	57	12
SF90A	Continuously running at trickle speed. Operates between trickle/ normal speeds by pull cord, switch or sensor	44	230

Full details of control options on page 045.

Installation

Wiring: Must comply with IEE Regulations, see wiring diagrams on page 043.

Installation: Diagrams, see page 042.

Cable: 1mm² Ø max.

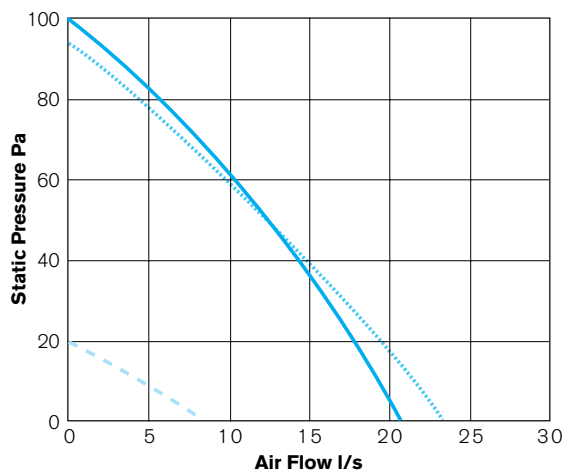
Fuse: 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required).

Exhaust: Ø100mm.

Glazing hole: Ø108mm. 4–28mm double glazing.

Performance

Model	Performance to BS 848 Pt1 in free air				Sound Pressure level @ 3m	
	Normal m ³ .h ⁻¹	Normal l.s ⁻¹	Slow m ³ .h ⁻¹	Slow l.s ⁻¹	Normal dB(A)	Slow dB(A)
SF90B	75	21	-	-	41	-
SF90T	75	21	-	-	41	-
SF90DT	82	23	30	8	41	24
SF90HT	75	21	-	-	41	-
SF90SVIT	75	21	-	-	41	-
SF90SVIHT	75	21	-	-	41	-
SF90A	82	23	30	8	41	24



Electrical Specification: 230V~50Hz Class II
Consumption: 20W
 10W (SF90A & SF90DT slow speed)

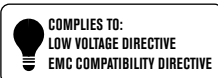
SELV: To maintain the fan's performance within 2% of the published figure, the following lengths of cable between the fan and transformer should not exceed:

Conductor Size (Area ²)	Max. Cable Length
0.50	1.5m
0.75	2.3m
1.00	3.0m
1.50	4.5m

Specification



2 YEAR GUARANTEE



IP44 RATED

Ancillaries



HP Window baffle and adhesive glazing seal, required for 4–28mm single or double glazed window installations of SF90 fans (page 149).



EG1 Complementary fixed blade louvred grille in semi-matt ABS plastic, UV stabilised. Choice of white or brown grille (page 148).



ED1 Easyfix 100mm ducting plastic wall liner with integral screw-fixing channels for one visit installation (page 145).



Flexiduct Flexible 100mm PVC and aluminium ducting (page 146).



Slimduct System 225 A slim profile ducting system for concealing within the building structure (pages 138).



GD4 Modular lightweight PVC ducting system (page 140).



LRB Plastic wall baffle for low rise and sheltered sites. Available in various colours (page 148).



ESB Wall baffle for exposed and high rise sites (page 149).



V4P Roof cowls for 100mm single exhausts (page 148).



FF100 Fast fix wall duct system. Comprises 100mm PVC duct, external wall duct seal and external grille, choice of white or brown grille (page 144).



GG42 External louvred wall vent available in white or brown (page 140).



RAB Plastic recessed air brick with integral housing and PVC duct seal. Available in various colours (page 148).