

SF90

Centrifugal surface mounted fan with integral filter

IP44 RATED

COMPLIES TO:
LOW VOLTAGE DIRECTIVE
EMC COMPATIBILITY DIRECTIVE

2 YEAR GUARANTEE

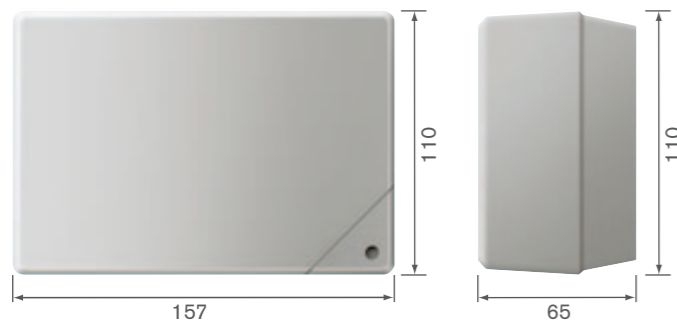
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INFORMATION

Physical specification

All measurements in millimetres

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



SELV Transformer (only supplied with SELV models)

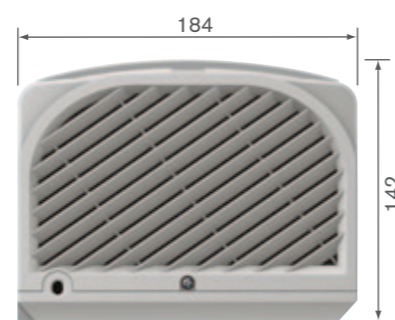


Front

Side



Filters



Bottom

Features and benefits

100mm surface mounted centrifugal fan that complies with current Building Regulations – widely specified in new housing, both private and social.

One fan with flexible installation options – wall, window, ceiling and panel.

Anti-back draught damper and pull cord insulating link.

Simple fuss-free 2 step installation where the backplate can be installed prior to fan and motor assembly.

New and improved discreet styling for modern interiors.

Full range of control options for bathroom ventilation including SELV.

Integral washable filter for motor protection – simply located at the front of the fan.

Continuously running model for whole house ventilation (non SAP Q Eligible).

Did you know...

Product fact

The integral filter in the SF90 helps reduce airborne particles reaching the motor, contributing to reducing maintenance cycles throughout its life.

Energy saving fact

Have you thought about a solar powered or wind up household gadget? Today you can buy wind up torches, radios, solar mobile phones and MP3 chargers – available now is an MP3 player that for 1 minute of winding will give you 40 minutes of play time*.

Building Regulations

System 1 is energy neutral in SAP. It does however require a considerable number of window vents to achieve the high background ventilation rate and is therefore not recommended for acoustic sites.

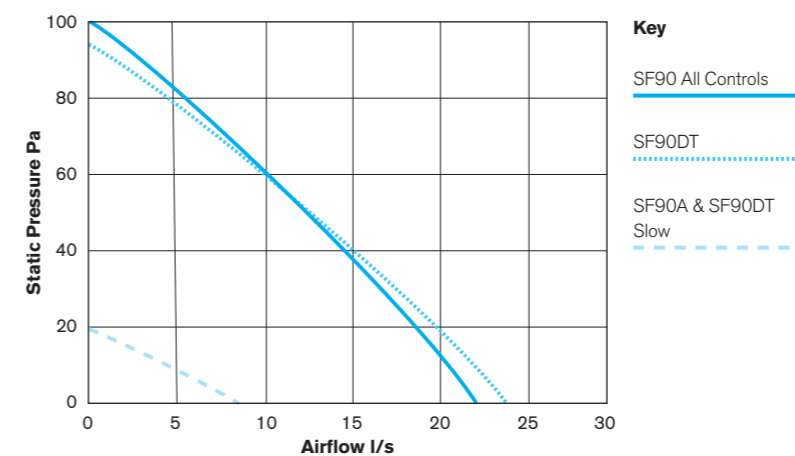
Models and control options

Model	Control operation	IP	Voltage
SF90B	Single speed. Basic to light switch with pull cord option	44	230
SF90T	Single speed. Timer (adjustable to 30 mins) & pull cord	44	230
SF90DT	Dual speed with delay timer	44	230
SF90HT	Single speed. Humidistat/overrun timer and pull cord	44	230
SF90SVIT	Single speed. SELV with overrun timer and pull cord	57	12
SF90SVIHT	Single speed. SELV with 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 50

Performance

Model	Performance to BS 848 Pt1 in free air				Sound pressure level @ 3m	
	Normal		Slow		Normal	Slow
	m ³ .h ⁻¹	l.s ⁻¹	m ³ .h ⁻¹	l.s ⁻¹	dB(A)	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	32	30	8	41	24



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

Ancillaries

- EG1** Complementary fixed blade louvred grille UV stabilised. Choice of white or brown grille (page 120)
- ED1** Easyfix 100mm ducting plastic wall liner with integral screw-fixing channels for one visit installation (page 113)
- Flexiduct** Flexible 100mm PVC and aluminium ducting (page 111)
- Slimduct System 225** Slim profile ducting system for concealing within the building structure (pages 116)
- GD4 /GD8** Modular lightweight PVC ducting system (page 114)
- LRB** Plastic wall baffle for low rise and sheltered sites. Colours available (page 120)
- ESB** Wall baffle for exposed and high rise sites (page 121)
- V4P** Roof cowl for 100mm single exhausts (page 120)
- FF100** Fast fix wall duct system. Comprises 100mm PVC duct, external wall duct seal and external grille, choice of white or brown grille (page 112)
- GG42** External louvred wall vent available in white or brown (page 115)
- RAB** Plastic recessed air brick with integral housing and PVC duct seal. Available in various colours (page 120)

Installation

- Wiring:** Must comply with IEE Regulations
- Cable:** 1mm² Ø max
- Fuse:** 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)
- Exhaust:** Ø 100mm
- Glazing hole:** Ø 108mm. 4–28mm double glazing
- Electrical specification:** 230V–50Hz Class II
- Consumption:** 20W
10W (SF90A & SF90DT slow speed)