

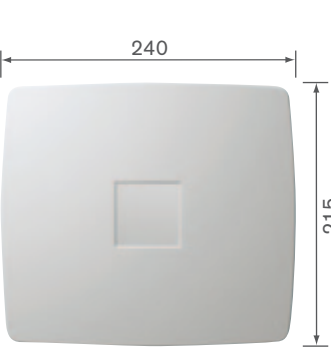
# RF90

Centrifugal recessed fan with integral filter

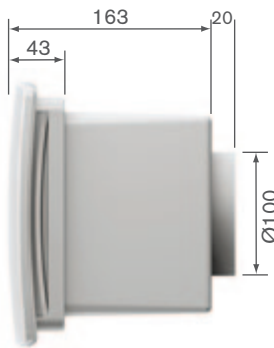
### Physical specification

All measurements in millimetres

**Weight:** 1.3kg  
**Materials:** Satin finish white ABS plastic with PVC exhaust seal



Front



Side



Integral washable filter

### Features and benefits

100mm recessed centrifugal fan that complies with current Building Regulations – widely specified for social housing projects.

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

Full range of control options including automatic humidistat sensing and overrun timers.

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

Simple screw fix design for fast ceiling installation.

New and improved modern, stylish front fascia design.

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

Low running costs for tenants – ventilation without the expense... ask us for more information.

Free Recycling Scheme available\*.

\* See page 15 for more details

## Did you know...

**Product fact**  
Over 100,000 of our intermittent bathroom fans have been installed in social houses around the UK for decent home improvements and upgrades.

**Energy saving fact**  
An estimated 30% of household water usage is flushed down the toilet. An old style single flush toilet can use up to 13 litres of water in one flush! New more efficient dual flush toilets can use just 6 litres on a full flush and 4 on a reduced flush†.

**Cost comparison**  
A 1000W microwave costs £12.73 per year to run based on 15 minutes usage per day. This is the equivalent of running **8 RF90 fans** for the whole year based on 1.5hrs usage per day.

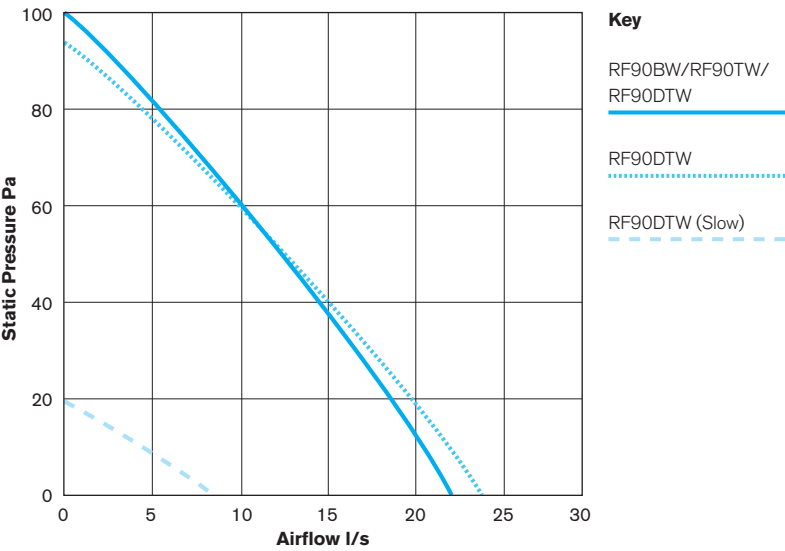
### Models and control options

Model	Control operation	IP	Voltage
RF90BW	Single speed. Basic operation via light switch & pull cord	44	230
RF90TW	Single speed. Adjustable overrun timer and pull cord	44	230
RF90HTW	Single speed. Humidistat/overrun timer and pull cord	44	230
RF90DTW	Dual speed with delay on timer	44	230

Full details of control options on page 60

### Performance

Model	Performance to BS 848 Pt1 in free air				Sound pressure level @ 3m
	Normal		Slow		dB(A)
	m³.h⁻¹	l.s⁻¹	m³.h⁻¹	l.s⁻¹	
RF90BW	75	21	-	-	41
RF90TW	75	21	-	-	41
RF90HTW	75	21	-	-	41
RF90DTW	82	23	30	8	41



† Information from Energy Saving Trust and energysavingadvice.co.uk

IP44 RATED

2 YEAR GUARANTEE

CE MARKED

UKAS ACCREDITATION INDEPENDENTLY ACCREDITED TEST INFORMATION

### Ancillaries

- EG1** Complementary fixed blade louvred grille in semi-matt ABS plastic, 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 107)
- Flexiduct** Flexible 100mm PVC and aluminium ducting (page 114)
- Slimduct System 225** A slim profile ducting system for concealing within the building structure (page 110)
- GD4 /GD8** Modular lightweight PVC ducting system (page 108)
- LRB** Plastic wall baffle for low rise and sheltered sites. Available in various colours (page 120)
- ESB** Wall baffle for exposed and high rise sites (page 121)
- V4P** Roof cowls 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 106)
- GG42** External louvred wall vent available in white or brown (page 109)
- 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
- Electrical specification:** 230V~50Hz Class II
- Consumption:** 20W  
10W – RF90DTW (slow speed)