

COMPLIES WITH  
**SYSTEM 1**COMPLIES TO:  
LOW VOLTAGE DIRECTIVE  
EMC COMPATIBILITY DIRECTIVE**2 YEAR WARRANTY**CE UK  
MARKEDUKAS  
INDEPENDENTLY  
ACCREDITED TEST  
INFORMATIONSUITABLE FOR  
**ZONE 1 AND 2****IPX4** RATED**IPX7** SELV  
MODELS

# RF90

Centrifugal recessed bathroom fan with integral filter



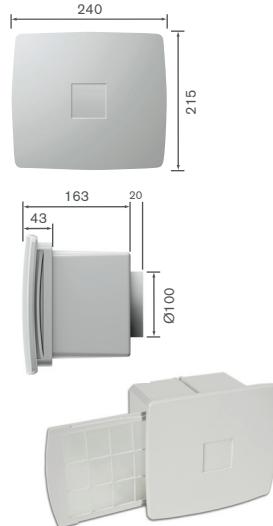
## Physical specification

All measurements in millimetres unless otherwise indicated

**Weight:** 1.3kg

### Materials:

Satin finish white ABS plastic with PVC exhaust seal



## Features and benefits

- Suitable for wall and ceiling mounted applications with discharge via wall/soffit and root tile
- 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 – back plate can be installed prior to fan and motor assembly
- Simple screw fix design for fast ceiling installation
- Modern, stylish front fascia design
- Integral washable filter for motor protection – simply located at the front of the fan
- Low running costs for occupants – ventilation without the expense
- Direct replacement for R90

## Installation

**Wiring:** Must comply with IEE Regulations

**Cable:** 1mm<sup>2</sup> Ø max

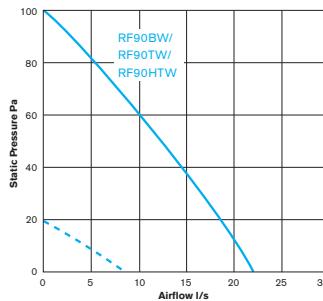
**Fuse:** 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)

**Exhaust:** Ø 100mm

**Electrical specification:**  
230V~50Hz Class II

**Consumption:**  
21W (RF90BW)  
22W (RF90TW/HTW)

## Performance



## Models, control options and key data

Product code	Control operation	Performance to BS 848 Pt1 in free air						Sound pressure dB(A)*
		Voltage	IP	Normal m <sup>3</sup> /h	Normal l/s	Slow m <sup>3</sup> /h	Slow l/s	
RF90BW	Single speed with pulcord	230	44	75	21	-	-	35
RF90TW	Single speed with overrun timer & pulcord	230	44	75	21	-	-	35
RF90HTW	Single speed with humidistat timer, overrun timer & pulcord	230	44	75	21	-	-	35

\*Sound pressure level measured @ 3 metres