

# Centrifugal Fan Range

CF100/CF200/CF400



- The CF100, CF200 and CF400 centrifugal fans use the latest technology to provide extremely powerful, yet very quiet and vibration free ventilation. The CF100/200 ranges are designed for bathrooms, toilets, cloakrooms, utility rooms, and the CF400 is designed for kitchens and commercial applications, such as restaurants, hotels and offices.
- Designed to move air over long distances, these units will give maximum performance even against pressures caused by long lengths of ducting and resistance by grilles.
- All models are fitted with a built-in spring operated non-return flap into the discharge spigot to stop backdraughts.
- There are seven models in each series. The CF100 has an extract rate of 90m<sup>3</sup>/hr 20 litres per second, the CF200 range have an extract rate of 110m<sup>3</sup>/hr 31 litres per second. The largest fan in the range, the CF400 has a maximum performance of 230m<sup>3</sup>/hr, 64 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power to the CF100/200 range is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Dynamically balanced, the CF400 unit is fitted with external rotor motors which incorporate ball bearings for a maintenance free life of over 40,000 hours. These fans are also supplied with a 11mm thick washable fibre filter.
- Designed to comply with the 2006 Building Regulations on Ventilation (F1).

## Technical Details

Cat. No.	Product type
<b>CF100S</b> <b>CF200S</b> <b>CF400S</b>	Standard model for remote switching
<b>CF100P</b> <b>CF200P</b> <b>CF400P</b>	As above supplied with pullcord switch
<b>CF100T</b> <b>CF200T</b> <b>CF400T</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>CF100TP</b> <b>CF200TP</b> <b>CF400TP</b>	As above with pullcord override switch. Requires no switched live
<b>CF100H</b> <b>CF200H</b> <b>CF400H</b>	Humidity control which is adjustable between 40 and 95%RH Complete with adjustable integral timer (1-20 mins)
<b>CF200HP</b> <b>CF400HP</b>	Electronic humidity control with pullcord override switch Requires no switched live
<b>CF100PIR</b> <b>CF200PIR</b> <b>CF400PIR</b>	PIR activated model with adjustable timer for presence detection that will run on when room is vacated (1-20 mins). Requires no switched live

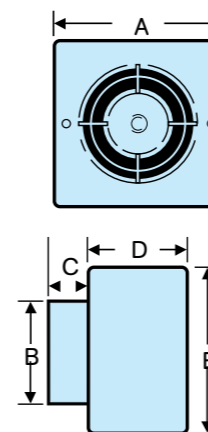
**Packaging**  
CF100 Series in outers of 10 measuring 340mm x 175mm x 835mm - weight 11kgs  
CF200 Series in outers of 10 measuring 753mm x 283mm x 390mm - weight 12kgs  
CF400 Series in outers of 5 measuring 290mm x 400mm x 920mm - weight 14kgs

**Installation**  
Designed to be mounted on walls or ceilings and discharged through a 100mm (4") standard rigid or flexible duct, and are also suitable for use with flat duct channel systems. Comprehensive wiring and installation instructions are included with each fan.

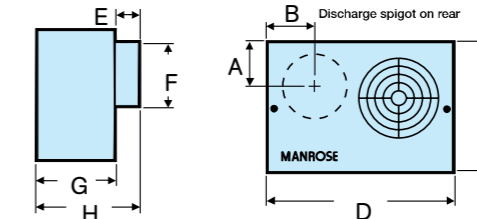
**Electrical**  
220-240V - AC. 50Hz  single phase consuming 17W on the CF100 range, 17W on the CF200 range and 45W on the CF400 range. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

**Additional Data**  
**CF100**  
Maximum pressure: 80 p.a.  
Fan speed: 1600 r.p.m.  
Sound volume: 42.0 dB(A)  
**CF200**  
Maximum pressure: 120 p.a.  
Fan speed: 1400 r.p.m.  
Sound volume: 45.0 dB(A)  
**CF400**  
Maximum pressure: 300 p.a.  
Fan speed: 2335 r.p.m.  
Sound volume: 58.0 dB(A)  
Maximum operating temperature: 89°C

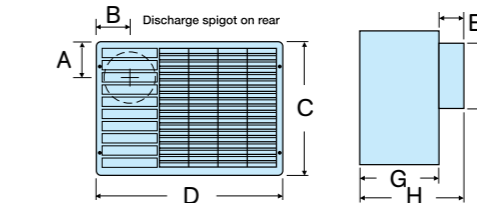
Dimensions CF100 Series



Dimensions CF200 Series



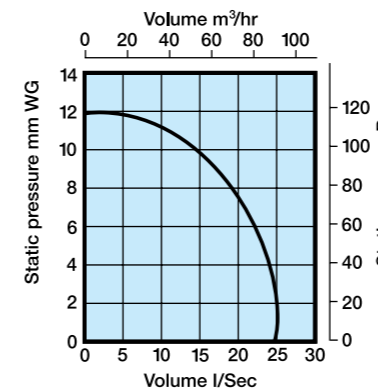
Dimensions CF400 Series



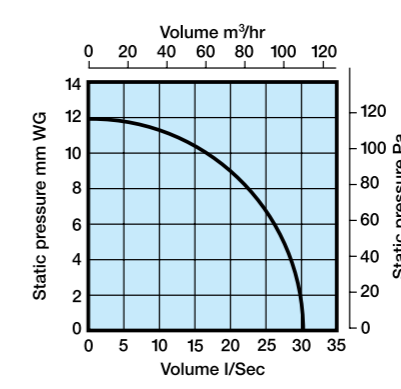
Dimensions (mm)

PRODUCT	A	B	C	D	E	F	G	H
<b>CF100</b>	163	98Ø	65	90	163		90	135
<b>CF200</b>	65	65	185	260	45	98Ø		
<b>CF400</b>	70	60	265	350	45	98Ø	153	198

Performance Graph CF100  
90m<sup>3</sup>/hr, 25 litres per second



Performance Graph CF200  
110m<sup>3</sup>/hr, 31 litres per second



Performance Graph CF400  
230m<sup>3</sup>/hr, 64 litres per second

