# 12 Volt SELV Fan Range Safety Extra Low Voltage Bathroom/Shower Extractor Fans Domestic Range







- Designed for wall, ceiling or window mounting, the 12 Volt SELV fans are available in three diameters 100mm (4"), 120mm (5") and 150mm (6") and in seven options.
- Suitable for mounting within the splash area of a shower or bath (where current regulations prevent the use of conventional fans), the 12 Volt fan is a standard model manufactured with a 12V - 50Hz shaded pole motor. The transformer and switching mechanism is mounted remotely either in the roof space or high on the ceiling next to the pullcord switch. Pullcord, humidistat, PIR and versions have to be mounted inside the room where the fan is installed and out of the reach of the person using the bath or shower.
- A Centrifugal 12 Volt fan is available, fitted with a backward curved centrifugal impeller for large airflow against the high pressures caused by longer lengths of ducting and resistance by grilles.
- The extract rate of the 100mm (4") model is 85m<sup>3</sup>/hr 23 litres per second, the 120mm (5") 130m<sup>3</sup>/hr 36 litres per second and the 150mm 230m<sup>3</sup>/hr 64 litres per second.
- The CF200LV centrifugal fan has an extract rate of 110m<sup>3</sup>/hr 31 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Designed to exceed the Building Regulations on Ventilation (F1).



# **Technical Details**

**Product type** 

humidity - transformer included

Requires T12S transformer.

Wall or ceiling model\*

\*Use LT12 Transformer

Automatic wall or ceiling model

Window model/Automatic window model

Window model/Automatic window model

Window model/Automatic window model\*

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30

30

30

30

163

32

182

203

203

185

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WF Series

and pull cord. Requires a T12S transformer.

Wall or ceiling model/Automatic wall or ceiling model

Low Voltage wall/ceiling mounted fan, with humidity

Low Voltage wall / ceiling mounted fan with humidity.

Wall or ceiling model/Automatic wall or ceiling model

Е

163

163

163

163

182

203

203

45

100

4-10mm glass

F

Low voltage wall/ceiling mounted fan, timer delay and/ or

#### Cat. No.

XF100LV/XF100ALV/ XF100AHLV XF100LVT/ XF100HTLVT

WF100LV/WF100ALV XF100HPLV

XF100HLV

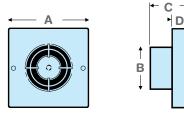
XF120ALV WF120LV/WF120ALV XF150BLV/XF150ALV\* WF150BLV/WF150ALV\* CF200LV

#### **Dimensions (mm)**

PRODUCT	Α	В	С
XF100LV	163	98Ø	75
XF100HPLV	163	98Ø	75
XF100HLV	163	98Ø	75
XF100HTLVT	163	98Ø	75
WF100LV	163	90	30
XF120LV	182	118Ø	78
WF120LV	182	92	32
XF150BLV	203	150Ø	95
XF150ALV	203	150Ø	95
WF150BLV	203	118	95
WF150ALV	203	118	95
CF200LV	65	65	260
CF Series			

Discharge spigot on rear B Α D MANROSE G

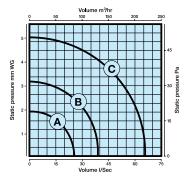
**XF** Series

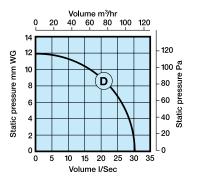


С

# **Performance Graphs**

- (A) XF/WF100LV 85m3/hr, 23 litres per second
- (B) XF/WF120LV 130m<sup>3</sup>/hr, 36 litres per second
- (C) XF/WF150BLV 230m<sup>3</sup>/hr, 64 litres per second
- (D) CF200LV 110m3/hr, 31 litres per second





# Packaging

XF100LV/ALV In outers of 10 measuring 370mm x 200mm x 560mm - weight 7kgs

WF100LV/ALV In outers of 10 measuring 360mm x 210mm x 510mm - weight 9kgs

XF120ALV In outers of 10 measuring 400mm x 215mm x 490mm - weight 8kgs

WF120LV/ALV In outers of 10 measuring 446mm x 225mm x 550mm - weight 10kgs

XF150BLV/ALV In outers of 10 measuring 595mm x 245mm x 450mm - weight 11kgs

WF150BLV/ALV In outers of 10 measuring 460mm x 640mm x 240mm - weight 17kgs

CF200LV In outers of 10 measuring 753mm x 283mm x 390mm - weight 12kgs

### **Electrical**

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135

D

G

90

В

С

12 volts AC. - 50Hz. 10W on XF/WF100, 25W on XF/WF120LV, XF/WF150BLV and CF200LV. Supplied by a remote safety isolating transformer - Manrose type T12/ LT12 series.

MANROSE