

# Automatic Shutter Fan Range

## Domestic Range

XF/WF100A/120A/150A



- Designed for wall, ceiling or window mounting, the Automatic extractor fan range is available in ten options, all incorporating thermo-activated internal shutters behind the interior grille which open silently approximately 45 seconds after the fan is switched on.
- The range is available in three sizes - 100mm (4"), 120mm (5") and 150mm (6").
- The extract rate of the 100mm series is 85m<sup>3</sup>/hr, 23 litres per second, whilst the 120mm units for larger bathrooms, toilets and utility rooms are 56% more powerful with an impressive extract rate of 130m<sup>3</sup>/hr, 36 litres per second. The largest fan in this range, the 150mm (6"), has a maximum performance of 230m<sup>3</sup>/hr, 64 litres per second.
- Power is provided by a single phase induction motor with pre-oiled bearings for a maintenance-free life.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Designed to exceed the Building Regulations on Ventilation (F1).

# Technical Details

## Cat. No.

XF100/120A/XFA150BS  
WF100/120A/WFA150BS

## Product type

Standard model for remote switching

XF100/120AP/XFA150BP  
WF100/120AP/WFA150BP

As above supplied with pullcord switch

XF100/120AT/XFA150BT

Timer model incorporating integral adjustable electronic timer (1-20 mins)

XF100/120ATP/XFA150BTP  
WF100/120ATP/WFA150BTP

As above with pullcord override switch Requires no switched live

XF100/120AH/XFA150BH

Humidity control which is adjustable between 40 and 95% RH Complete with integral adjustable timer (1-20 mins)

XF100/120AHP/XFA150BHP  
WF100/120AHP/WFA150BHP

As above with pullcord override switch. Requires no switched live

XF100/120APIR/XFA150BPIR  
WF100/120APIR/WFA150BPIR

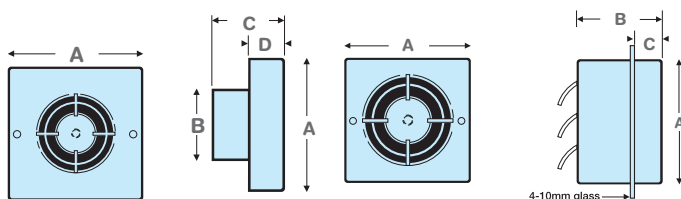
PIR activated model with timer for presence detection (1-20 mins) Requires no switched live

## Dimensions (mm)

PRODUCT	A	B	C	D
XF100A	163	98Ø	108	53
XF120A	182	118Ø	112	59
XFA150B	203	150Ø	115	72
WF100A	163	115	53	
WF120A	182	119	59	
WFA150B	203	133	72	

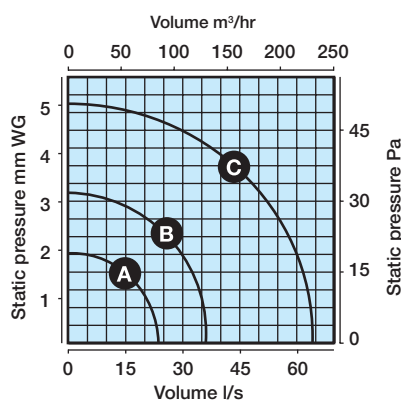
XF Series

WF Series



## Performance Graph

- (A) XF/XP/WF100A Series 85m<sup>3</sup>/hr, 23 litres per second
- (B) XF/XP/WF120A Series 130m<sup>3</sup>/hr, 36 litres per second
- (C) XF/XP/WFA150B Series 230m<sup>3</sup>/hr, 64 litres per second



## Packaging

XF100A Series in outers of 10 measuring 595mm x 365mm x 205mm - weight 9kgs

WF100A Series in outers of 10 measuring 360mm x 210mm x 695mm - weight 9 kgs

XF120A Series in outers of 10 measuring 760mm x 224mm x 447mm - weight 10kgs

WF120A Series in outers of 10 measuring 760mm x 224 x 447 - weight 11 kgs

XFA150B/WFA150B Series in outers of 10. For packaging dimensions, contact our technical department

## Installation

XF100/120A/XFA150B Series designed for wall or ceiling mounting (pullcord wall mounting only). WF100/120A/WFA150B Series designed for window mounting.

## Electrical

220-240 - AC. 50Hz . Single phase consuming 20 Watts on the 100A, 23 Watts on the 120A series and 25 Watts on the A150B series. 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 contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan must not be accessible to a person using either the shower or bath and mounted a minimum of 1.8 metres from the floor.

## Additional Data

### 100mm (4") Range

Maximum pressure: 20 p.a.  
Fan speed: 2400 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

### 120mm (5") Range

Maximum pressure: 35 p.a.  
Fan speed: 2000 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

### 150mm (6") Range

Maximum pressure: 50 p.a.  
Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C