# Automatic Shutter Fan Range

- 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$^3$/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$^3$/hr, 36 litres per second. The largest fan in this range, the 150mm (6"), has a maximum performance of 230m$^3$/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 2006 Building Regulations on Ventilation (F1).

## Technical Details

### Cat. No. / Product type

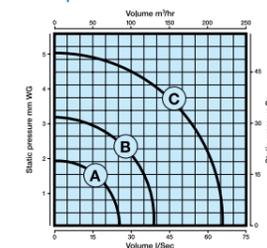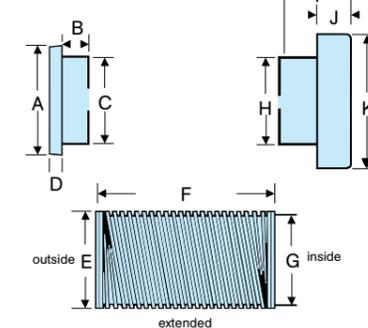| Cat. No. | Product type |
|---|---|
| XF100/120A/XFA150BS<br>XP100/120A/XPA150BS<br>WF100/120A/WFA150BS | Standard model for remote switching |
| XF100/120AP/XFA150BP<br>XP100/120AP/XPA150BP<br>WF100/120AP/WFA150BP | As above supplied with pullcord switch |
| XF100/120AT/XFA150BT<br>XP100/120AT/XPA150BT | Timer model incorporating integral adjustable electronic timer (1-20 mins) |
| XF100/120ATP/XFA150BTP<br>XP100/120ATP/XPA150BTP<br>WF100/120ATP/1WFA50BTP | As above with pullcord override switch Requires no switched live |
| XF100/120AMH/XFA150BMH<br>XP100/120AMH/XPA150BMH<br>WF100/120AMH/WFA150BMH | Electro-mechanical humidity control with on/off switch, adjustable 20-90% RH |
| XF100/120AMHP/XFA150BMHP<br>XP100/120AMHP/XPA150BMHP<br>WF100/120AMHP/WFA150BMHP | As above with pullcord override switch and neon light |
| XF100/120AMHT/XFA150BMHT<br>XP100/120AMHT/XPA150BMHT<br>WF100/120AMHT/WFA150BMHT | Electro-mechanical humidity control with on/off switch, adjustable 20-90% RH with electronic timer |
| XF100/120AH/XFA150BH<br>XP100/120AH/XPA150BH | Humidity control which is adjustable between 40 and 95% RH Complete with integral adjustable timer (1-20 mins) |
| XF100/120AHP/XFA150BHP<br>XP100/120AHP/XPA150BHP<br>WF100/120AHP/WFA150BHP | As above with pullcord override switch. Requires no switched live |
| XF100/120APIR/XFA150BPIR<br>XP100/120APIR/XPA150BPIR<br>WF100/120APIR/WFA150BPIR | PIR activated model with timer for presence detection that will run-on when room is vacated (timer adjustable 1-20 mins) Requires no switched live |

### Dimensions (mm)

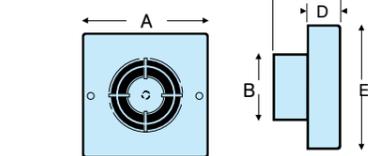| PRODUCT | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| XF100A | 163 | 98Ø | 108 | 53 | 163 | | | | | | |
| XF120A | 182 | 118Ø | 112 | 59 | 182 | | | | | | |
| XFA150B | 203 | 150Ø | 115 | 72 | 203 | | | | | | |
| XP100A | 140 | 33 | 98Ø | 15 | 110Ø | 380 | 102Ø | 98Ø | 108 | 53 | 163 |
| XP120A | 160 | 37 | 118Ø | 16 | 125Ø | 380 | 120Ø | 118Ø | 112 | 59 | 182 |
| XPA150B | 180 | 39 | 150Ø | 17 | 155Ø | 380 | 152Ø | 150Ø | 115 | 72 | 203 |
| WF100A | 163 | 115 | 53 | 163 | | | | | | | |
| WF120A | 182 | 119 | 59 | 182 | | | | | | | |
| WFA150B | 203 | 133 | 72 | 203 | | | | | | | |

### Performance Graph
(A) XF/XP/WF100A Series 85m$^3$/hr, 23 litres per second
(B) XF/XP/WF120A Series 130m$^3$/hr, 36 litres per second
(C) XF/XP/WFA150B Series 230m$^3$/hr, 64 litres per second

Dimensions XP Series

Dimensions XF Series

Dimensions WF Series

## Packaging
XF100A Series in outers of 10 measuring 595mm x 365mm x 205mm - weight 9 kgs XP100A Series in outers of 10 measuring 885mm x 360mm x 215mm - weight 9 kgs

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 10 kgs

XP120A Series in outers of 10 measuring 360mm x 220mm x 982 - weight 11 kgs

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

XFA150B/XPA150B/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). XP100/120A/XPA150B Series designed for through wall fixing, supplied with aluminium flexible ducting and external wall grille. WF100/120A/WFA150B Series designed for window mounting.

## Electrical
220-240 - AC. 50Hz □. Single phase consuming 17 watts on the 100A, 19 watts on the 120A series and 20 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: 40ºC

### 120mm (5") Range
Maximum pressure: 35 p.a.
Fan speed: 2000 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40ºC

### 150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40ºC

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