

# Xpelair WX6, WX9 & WX12

## Commercial wall fans



### Key features

Type:	<b>Commercial duty ventilation unit</b>
Application:	<b>Pubs, restaurants, offices, kitchens, factories, schools and shops</b>
Control options:	<b>Extensive range of optional controllers available</b>
Legislation:	<b>Conforms to Building Regulations Part F1</b>
Hole diameter:	<b>w245 x h268 WX6/WX6T w345 x h375 WX9 w434 x h434 WX12</b>



### Select the right product for your application

	WX6	WX6T	WX9	WX12
Reference number	90822AW	90823AW	89996AW	90011AW
Remote switch (not supplied)	■	■	■	■
Integral adjustable run-on timer (2 to 20 mins)		■		
Extract only	■	■		
Selectable intake, extract or controller operation			■	■
Speeds	1	1	2*	2*
Extract performance (FID, m³/h)	246	246	783	1715
Extract performance (FID, l/s)	68	68	663	1162
Intake performance (FID, m³/h)			477	969
Intake performance (FID, l/s)			437	815
Sound pressure level (dB(A)@3m)	39	39	50	54
Electrical power rating (W)	34	34	47	48
Hole diameter (w x h mm)	245 x 268	245 x 268	41	85
Max wall thickness (mm)	292	292	508	522
Weight (kg)	2.9	2.9	4.7	8.3
Guarantee (years, UK)	3	3	3	3

\*low speed only applies if fan used with FR22/30 controller. If controller not used fan is only single (high) speed

### The Range

Xpelair **WX** ventilation units – the ‘classic’ face of commercial wall fans. Discreetly slim, tough and reliable within – a winning formula that has served generations of pubs, businesses and local authorities.

Stylish commercial duty unit ventilation designed for pubs, restaurants, offices, kitchens, factories, schools and shops. Suitable for single, cavity brick and current timber frame walls.

The wall hugging, low profile white fascia is styled to blend in cleanly with commercial surroundings. For safety, a finger guard is integrated into the Ultra slim high gloss ABS fascia and the exterior wall grille design. On **WX9** & **WX12** units a positive plug and socket assembly provides a means of isolation for service access without the safety risk of accidental disconnection.

All **WX** models come complete with a wall mounting kit which include a wall liner.

Both the **WX9** & **WX12** are reversible and now feature totally enclosed external rotor motors providing constant volume outputs, even in gusty external conditions. Pre-balanced sickle bladed impellers eliminate ‘fan judder’ and ensure quiet trouble free operation. Sealed for life maintenance free bearings ensure suitability for running at any angle. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts. And cleaning has never been easier. The housing, shutter cassette and impeller are all removed in seconds.

## Models

### WX6

#### Ref. 90822AW

- 6" high performance extract axial ventilation unit
- Suitable for single, cavity brick and current timber frame walls
- Sealed for life maintenance free bearings, suitable for running at any angle. Integrated safety thermal overload protection
- Built-in silent action electrothermal shutter cassette
- Passive tricklevent facility for background ventilation with fan Off
- Ultra slim high gloss ABS fascia with integral finger safety guard
- Shadow grey external grille for unobtrusive external appearance with built-in weather protection
- IPX4 rated motor

### WX6T

#### Ref. 90823AW

- As WX6 with overrun timer which typically connects to a lighting circuit
- Timer adjustable from 2-20mins run on period after light has been switched off
- IPX4 rated motor

### WX9

#### Ref. 89996AW

### WX12

#### Ref. 90011AW

- High performance intake/extract axial ventilation unit
- Choice of optional controllers
- Suitable for single, cavity brick and current timber frame walls
- Balanced external rotor motor and sickle bladed impeller for quiet efficiency
- Sealed for life maintenance free bearings, suitable for running at any angle
- Built-in silent action electro-thermal shutter cassette
- Passive tricklevent facility for background ventilation with fan Off
- Ultra slim high gloss ABS fascia with integral finger safety guard
- Shadow grey external grille for unobtrusive external appearance with built-in weather protection
- Tamperproof internal connection safety plug and socket
- IPX4 rated motor

**Typical Specifications** on page 171.  
**Wiring Diagrams** on page 186.  
**Controller Details** on page 102.

## Controllers

### Single Fan Controller FR22/30

#### Ref. 21868AW

- For use with WX9 and WX12
- On/Off control with neon indicator. Used to select between high and low speed, intake and extract

### Group Fan Controller EC6H

#### Ref. 21854AW

- For use with WX9 and WX12
- On/Off control with neon indicator. Infinitely variable speed selection controls extract and intake air flow. For use with up to four fans (not mixed sizes)

### Group Fan Controller XCC1

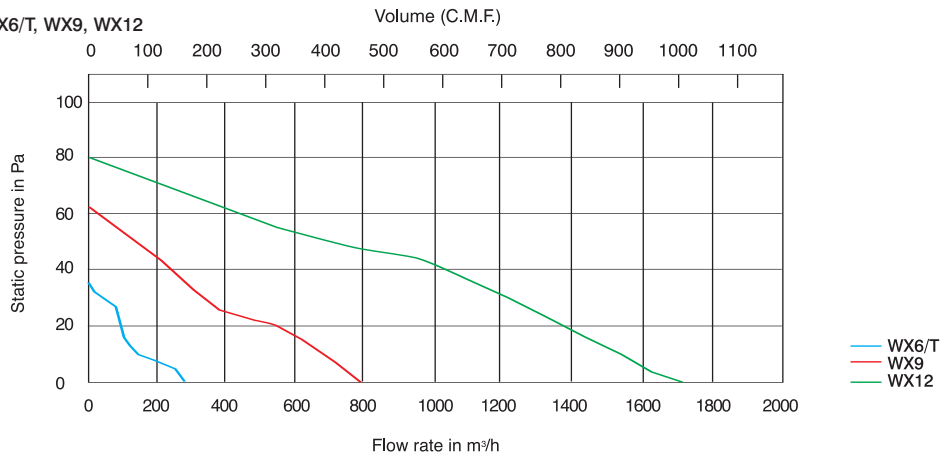
#### Ref. 21859AW

- For use with WX9 and WX12
- On/Off control with neon indicator



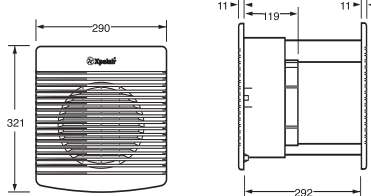
## Performance

WX6/T, WX9, WX12

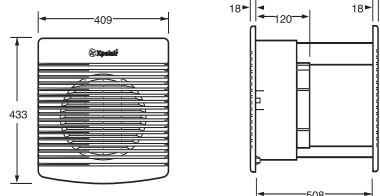


## Dimensions (mm)

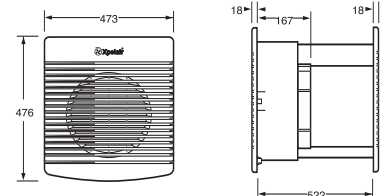
WX6/T



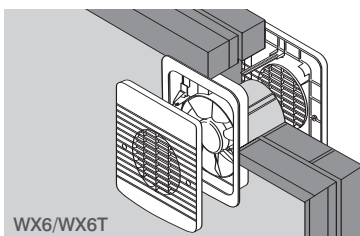
WX9



WX12

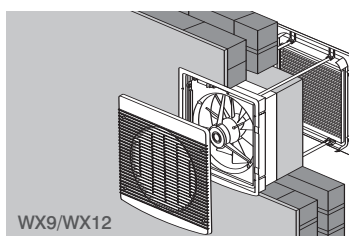


## Installation



### Wall Mounting

Hole diameter: w245 x h268mm



### Wall Mounting

Hole size: w345 x h375mm (WX9)  
w434 x h434mm (WX12)