

2019

# Xpelair Product Catalogue

Issue 6 - 2019



XPELAIR is imported and distributed by ACTOM Group, which offers a wide range of domestic XPELAIR extractor fans for bathrooms, showers, toilet cubicles, smoking rooms, domestic and industrial kitchens, etc.

XPELAIR is a market leader with more than 70 years experience in the industry and offers high quality window, wall, ceiling, ducted and in-line fans to suit any ventilation requirement.

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# Domestic Ventilation Introduction

## An Introduction

XPELAIR offers different fan variations suitable to be mounted on the ceiling, windows or walls for extraction purposes.

Extraction is necessary in rooms where ventilation is poor and stale or stagnant air needs to be eliminated and replaced with fresh air.

### STEP 1:

The first step in selecting the correct extractor fan is to decide where the extraction fan needs to be mounted: (through the ceiling, through the window or through the wall?)

### STEP 2:

The next step is to establish what the VOLUME of the room is, from which the fan must extract.

**E.g.** Bathroom of 2.7m Height, 4m Wide, 3m Long  
 $= 2.7\text{m} \times 4\text{m} \times 3\text{m} = 32.4\text{m}^3$

### STEP 3:

Now that you have established what the VOLUME of the room is, you need to decide how many times per hour the fans needs to replace the air. In other words, how many air changes are necessary to ventilate the room sufficiently.

Use the below table to determine how many air changes will be required:

#### Air Change Guide (per hour):

Bathroom:	10 - 15
Toilet:	10 - 12
Laundry:	15 - 20
Bedroom:	8 - 10
Domestic Kitchen:	15 - 20
Ind. Kitchen:	20 - 30
Offices:	12 - 15
Smoking Room:	25 - 30

Use this formula to select the fan that you require.

**E.g.**  $L \times W \times H = \text{m}^3 \times \text{Airchanges required} = \text{m}^3 \text{ per hour (m}^3/\text{h) required.}$

Use this catalogue to select the fan that meets your satisfaction - mounting, style, type and performance of the unit.

**Please note:** that it is VERY important that there is always fresh air coming into the room freely (through a door grille, open windows, space underneath the door, etc.) in order for air to be extracted.

Failing to ensure that there is a supply of fresh air into the room may cause the fan motor to fail and even burn out.

The extract point should always be located as high as possible and provide a flow across the room with air replacement usually coming from the doorway.

## Axial vs Centrifugal?

Axial fans are most appropriate for extraction directly to the outside through a wall or window. However, if the window or wall faces a prevailing wind such as in coastal areas, exposed hills or high rise applications, a centrifugal fan, which has a higher pressure performance, is more suitable to overcome these outside conditions. Centrifugal fans are ideal for flexible ducted applications or smooth more ducting for longer distances.

## Safety:

XPELAIR fans are all rated IP55, which means that these fans are weather proof but not "hose proof". The fans can withstand droplets of water and wind but are not waterproof and should not be submerged. All XPELAIR fans carry a one year warranty, provided that the fans are correctly installed and according to the specifications.

# DX100 Range - 100mm Axial Extract Fan

Other options available in the Simply Silent range includes pullcord, timer, humidistat & PIR versions.

## Key Features

**Type:** Axial extract fan.  
**Application:** Domestic bathrooms, shower rooms & toilets.  
**Hole diameter:** 115mm(wall)  
125mm(window)

## XPELAIR DX100

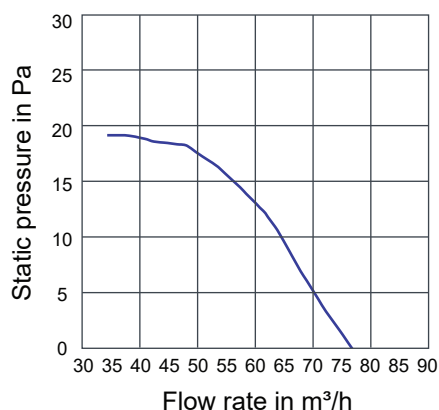
Stylish, compact and easy to install single speed fan, suitable for a wide range of domestic applications including bathrooms, shower rooms and toilets. DX100 has a softly curved flowline grille design which will blend into wall or ceiling decor, whilst the shallow depth of the outlet spigot ensures compact window installation.



The DX range includes an air operated backdraught shutter, outer grille and ducting. Control options include standard and timer.

All models are IP55 rated. Suitable for 220V-240V 50Hz mains operation. Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

## Performance



The fan is supplied complete with an universal mounting kit (wall tube, gasket x 2, outer grille, skirt moulding for window) suitable for wall, ceiling and window mounting (in single glazing up to 6mm) applications.

## Specifications

	DX100
UK reference number:	90839AW
Remote switch:	X
Integral pullcord:	-
Integral timer (adjustable from 2-20 mins):	-
Humidity sensor (50-90% RH):	-
Passive infrared sensor:	-
Max. airflow (m³/h):	76
Max. airflow (l/s):	21
Sound pressure level (dB (A)@3m):	35
Electrical power rating (W):	12
IP rating:	IPX5
Universal mounting kit:	X
Weight (kg):	1.2

# DX100 Range - 100mm Axial Extract Fan

## Models

### DX100 Ref. 90839AW

- Single speed axial unit.
- Operated by a remote switch. In a bathroom normally a separate pull cord or the lighting circuit.
- Includes universal mounting kit.
- Colour: white.

## Controllers

### Remote Humidistat XRH Ref. 21856AW

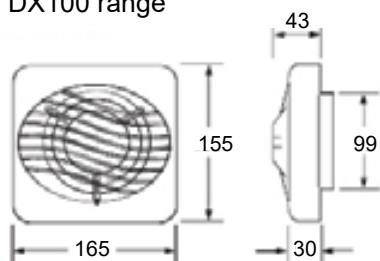
- Stand alone humidistat switches fan On/Off when RH reaches preset levels. Complete with pull cord override switch.

### Time Delay Unit DT20 Ref. 21850AW

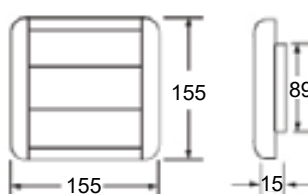
- User adjustable run-on timer. (2-20 mins) Passive Infrared Sensor XPIRA Ref. 21871AA.
- Activates fan via body movement, ideal for infrequently used public spaces. Built-in timer to prevent nuisance tripping.

## Dimensions (mm)

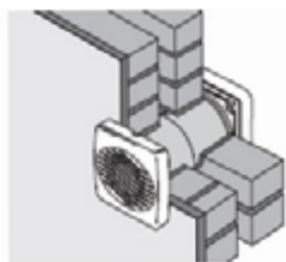
DX100 range



Backdraught shutter

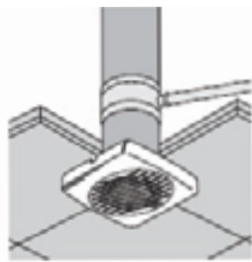


## Installation and Accessories



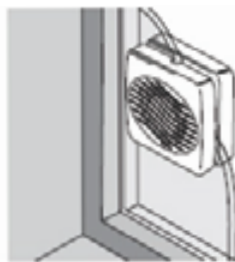
### Wall mounting

Hole diameter: 115mm  
Ducting size: 100mm



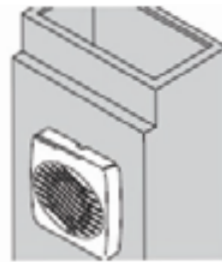
### Ceiling mounting

Hole diameter: 115mm  
Ducting size: 100mm



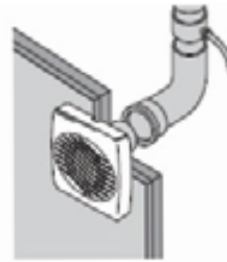
### Window mounting

Hole diameter: 125mm



### Ventilation shaft mounting

Hole diameter: 110mm



### Ducting application

Hole diameter: 110mm  
Ducting size: 100mm

# DX100 Range - Silent Range Fans

## Key Features

**Type:** Axial extract fan.  
**Control options:** Pullcord, timer humidistat & PIR.  
**Mounting:** Wall & ceiling.  
**Hole diameter:** 100mm  
**Actual size:** 178.5mm(W) x 178.5mm(H)

## XPELAIR DX100

The DX100 extract fan range is designed for those looking for something conventional, with a modern twist. These fans control humidity, odours and mould growth effectively in bathrooms, shower rooms, cloakrooms, toilets and kitchens.

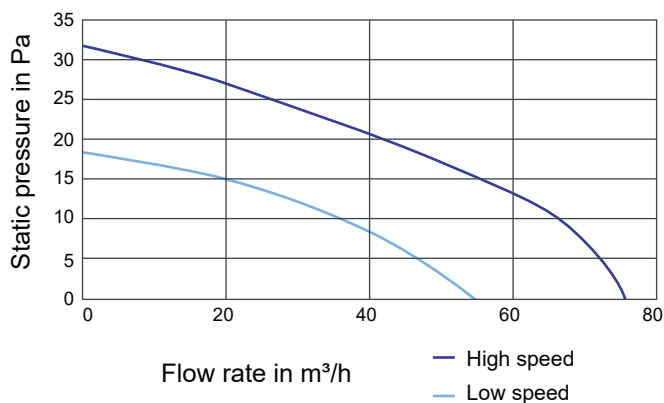
The DX100 range features a more conventional square grille-style fascia, finished in cool white.



The DX100 range has two speeds, selectable at install, and features a wall-fitting kit.

Choose to include a run-on timer that is fully adjustable when installed (this can be set from 30 seconds to 30 minutes, once the unit is switched off), a pull cord for on demand operation, or a timer and built-in humidistat to regulate humidity automatically.

## Performance



## Specifications

	DX100S (Standard)	DX100TS (Timer)	DX100PS (Pullcord)	DX100HTS (Timer & humidistat)	DX100PIRS (Movement sensor)
UK reference number:	93025AW	93026AW	93027AW	93028AW	93030AW
Remote switch (not supplied):	X	X	-	X	X
Speeds:	2	2	2	2	2
Extract performance (m³/h) high/ low:	74 / 53	74 / 53	74 / 53	74 / 53	74 / 53
Extract performance (l/s) high/ low:	21 / 15	21 / 15	21 / 15	21 / 15	21 / 15
Hole diameter (mm)	100	100	100	100	100
Sound pressure level (dB (A)@3m) high/ low:	34 / 22	34 / 22	34 / 22	34 / 22	34 / 22
Electrical power rating (W):	6	6	6	6	6
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg):	1.3	1.3	1.3	1.3	1.3

# DX100 Range - Silent Range Fans

## Models

### DX100S Ref. 93025AW

- 2 speed axial fan.
- Connect to remote switch.

### DX100TS Ref. 93026AW

- 2 speed axial fan.
- Adjustable timer from 3 sec - 30 min.
- Colour: white.

### DX100PS Ref. 93027AW

- 2 speed axial fan.
- Operated with a pull cord on the fan.
- Colour: white.

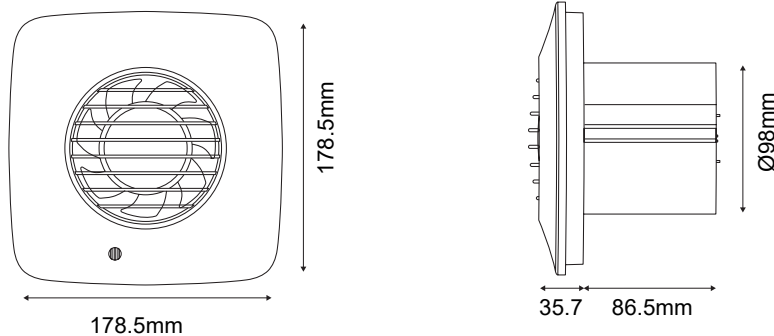
### DX100HTS Ref. 93028AW

- Adjustable timer from 30 sec - 30 min.
- Humidistat switches fan On/Off, when relative humidity reaches a pre-set level 50-90%.

### DX100PIRS Ref. 93030AW

- 2 speed axial fan.
- Movement sensor operates fan as long as movement is detected.
- The built-in timer automatically operates the fan for pre-set delay of up to 20 min.

## Dimensions (mm)



# LV100S - Silent Fan

## Key Features

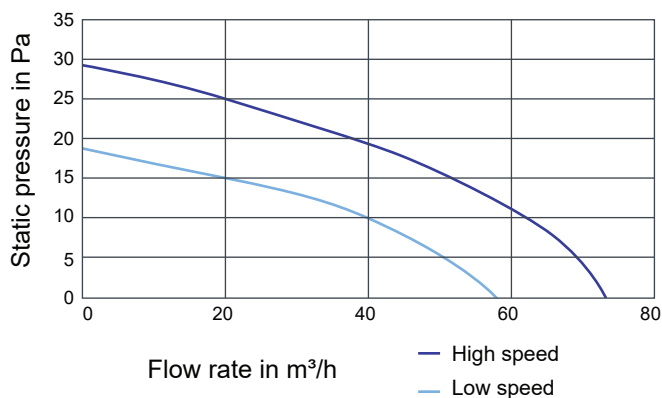
**Type:** Axial extract fan.  
**Application:** Bathrooms, shower rooms, cloakrooms, kitchens & toilets.  
**Actual size:** 178.5mm(W) x 178.5mm (H)  
**Mounting:** Wall & ceiling.

## XPELAIR LV100S

The LV100 (Low Volt) standard models are designed specifically for safe installation directly in or over the splash area zone 1, offering complete peace of mind. This model is supplied with a 12V SELV transformer and wall kit consisting of a wall sleeve and outer louvre grille. The LV100S has two speeds, selectable at installation.



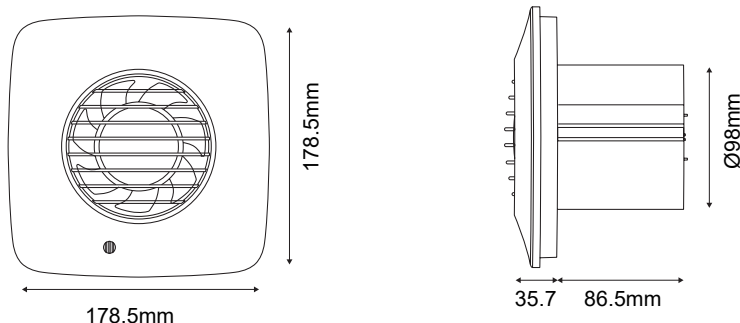
## Performance



## Specifications

			LV100S
UK reference number:			93031AW
Remote switch (not supplied):			X
Speeds:			2
Extract performance (m³/h)	high/ low:	74 / 58	
Extract performance (l/s)	high/ low:	21 / 16	
Hole diameter (mm)			100
Sound pressure level (dB (A)@3m)	high/ low:	34 / 22	
Electrical power rating (W):			11.8 / 5.5
IP rating			IPX4
Weight (kg):			1.3

## Dimensions (mm)



# C4S Range - Silent Fan



## Key Features

## XPELAIR C4S

**Type:** Axial extract fan.  
**Application:** Bathrooms, shower rooms, cloakrooms, kitchens & toilets.  
**Actual size:** 180mm(W) x 180mm(H)

The C4 Contour range effectively eliminates humidity, condensation and odour to improve air quality. Suitable for wall, ceiling and panel and window fitting. The C4 range has two speeds, selectable at installation.

Fan is fitted with a 100mm dia. impeller. Each stylish fascia blends with the surrounding decor, and can be removed with ease for cleaning.

Near-silent minimises disturbance from noisy bathroom fans for a peaceful night's sleep.

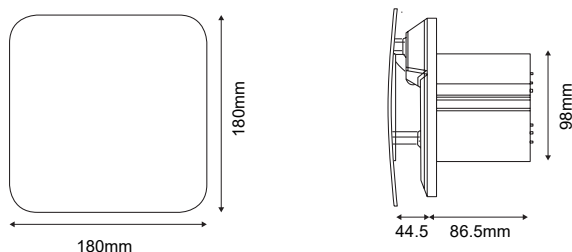
The C4S is suitable for safe installation in a bathroom, fan is rated IPX4.

## Models

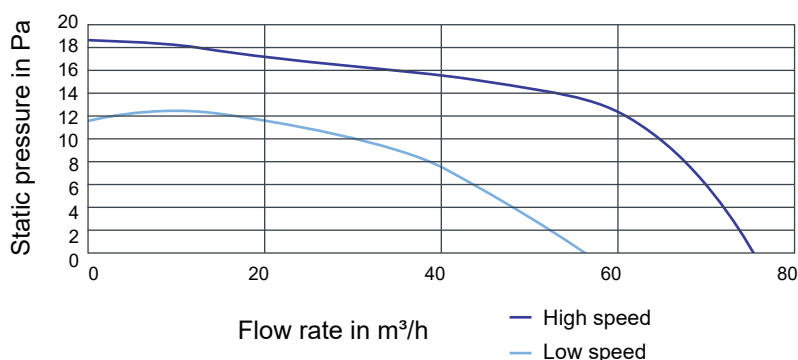
**C4S Ref. 92960AW**

- Backdraught shutter.

## Dimensions (mm)



## Performance



## Specifications

		C4S
UK reference number:		92960AW
Remote switch (not supplied):		X
Speeds:		2
Extract performance (m³/h)	high/ low:	74 / 52
Extract performance (l/s)	high/ low:	21 / 15
Hole diameter (mm)		100
Sound pressure level (dB (A)@3m)	high/ low:	29 / 15
Electrical power rating (W):		7 / 6.3
IP rating		IPX4
Weight (kg):		1.2

# DX150S - Silent Fan

## Key Features

**Type:** Axial extract fan.  
**Application:** Bathrooms, shower rooms, cloakrooms, kitchens & toilets.  
**Actual size:** 229mm(W) x 229mm(H)  
**Mounting:** Wall & ceiling.

## XPELAIR DX150S

The DX150S - 2 speed extract fan is designed for those looking or something conventional, with a modern twist. This fan controls humidity, odours and mould growth effectively.

Fan is fitted with a 150mm dia. impeller and is complete with back draught shutter.



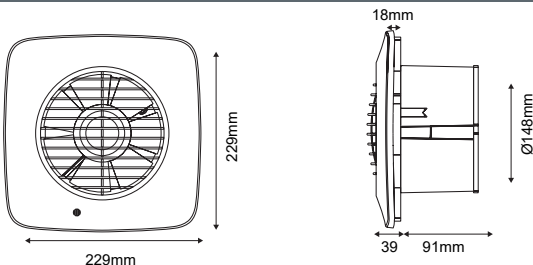
## Models

### DX150S Ref. 93070AW

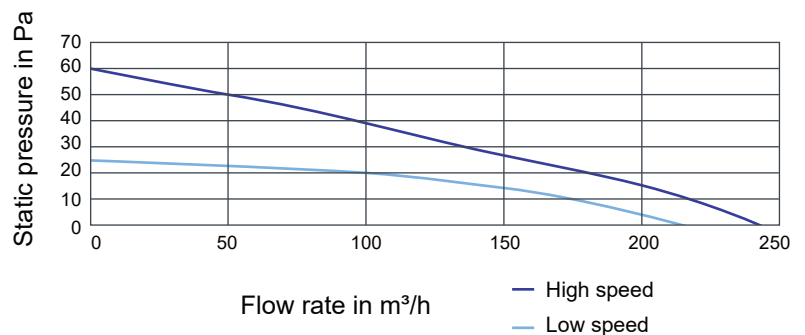
- Air operated.
- Backdraught shutter.
- Connect to separate switch.

Ancillaries include a fixed outer grille (CFWG150) or an air operated louvre (XLG150).

## Dimensions (mm)



## Performance



## Specifications

	DX150S
UK reference number:	93070AW
Remote switch (not supplied):	X
Speeds:	2
Extract performance (m³/h) high/ low:	241 / 214
Extract performance (l/s) high/ low:	67 / 60
Hole diameter (mm) wall mount (width & height):	150
Sound pressure level (dB (A)@3m) high/ Low:	34 / 22
Electrical power rating (W):	22.6 / 15
IP rating	IPX4
Weight (kg):	1.4

Low Speed		High Speed	
Static pressure	Flow in m³/h	Static pressure	Flow in m³/h
0	231.66	0	241.10
2.6	203.27	5.5	228.76
5.4	191.70	9.8	215.72
8	179.38	14.5	201.85
11.5	166.15	18.3	186.94
13.6	151.76	22	170.74
16.3	135.85	25.1	152.82
18.3	117.79	29.3	132.49
20.2	96.36	35	108.37
21.3	68.40	42.2	76.90
25.3	0.00	59.6	0.00

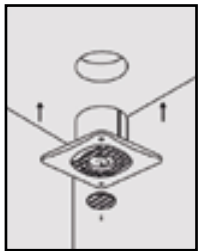
# VX Range - Axial Extract Fans

## Key Features

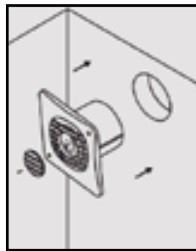
**Type:** Axial extract fans.  
**Application:** Domestic bathrooms, shower rooms & toilets.

**Hole diameter:**  
VX100: 110mm  
VX120: 125mm  
VX150: 155mm

**Ceiling Installation:**



**Wall Installation:**



VX100



VX120



VX150



## XPELAIR VX Range

The XPELAIR VX range of single speed axial fans are compact and easy to fit for domestic applications. The fan grilles are very modern and discreet.

These fans are suitable for a wide range of applications including bathrooms, shower rooms and toilets.

The XPELAIR VX fans are suitable for wall mounting as well as ceiling

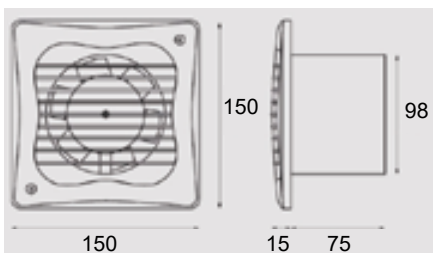
mounting, but it cannot be window mounted.

The one piece construction of these fans make installation very simple and lowers the risk of fan vibration.

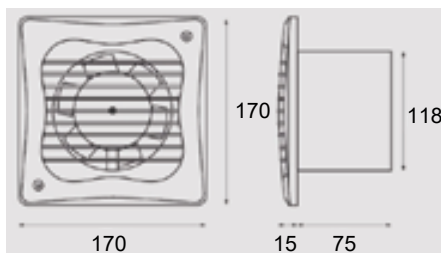
All VX models are IP55 rated. They are all suitable for 220-240V 50Hz mains operation and class B insulation for operation in ambient temperatures of up to 40°C and are fitted with a thermal cut out.

## Dimensions (mm)

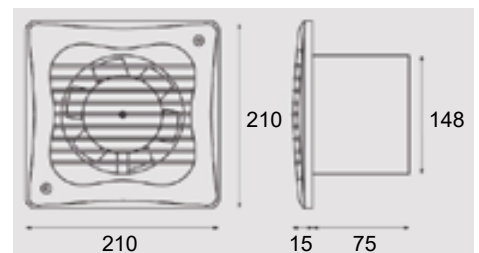
VX100



VX120



VX150



## Specifications

	VX100	VX120	VX150
UK reference number:	93224AW	93228AW	93226AW
Remote switch (not supplied):	X	X	X
Max. airflow (m³/h):	73	137	222
Max. airflow (l/s):	20	38	62
Electrical power rating (W):	16	23	25
IP rating:	IP55	IP55	IP55

# PREMIER DX200 & DX200T Range - Centrifugal Fans

## Key Features

<b>Type:</b>	Centrifugal extract.
<b>Application:</b>	Domestic bathrooms, shower rooms, toilets & utility rooms.
<b>Control options:</b>	Standard & timer.
<b>Hole diameter:</b>	117mm (Wall/ceiling)



## XPELAIR DX200

Premier range of centrifugal fans are designed for domestic applications, where longer duct runs are required. All models have a gloss white casing with a clean and sleek appearance.

A two part casing means Premier fans can be recess or surface mounted. All models feature an automatic air operated back draught shutter.

The clip-off front cover and removable fan blade on all models allow easy cleaning and maintenance. All models also have a neon indicator.

DX 200 fans are IP55 rated. Are all suitable for 220V – 240V AC 50Hz mains operation. Motors are totally enclosed and maintenance free for life, with self-aligning bearings and a thermal cut out.

All electronics and wiring terminals are fully protected. The DX200T also has a mechanical trickle ventilation facility.

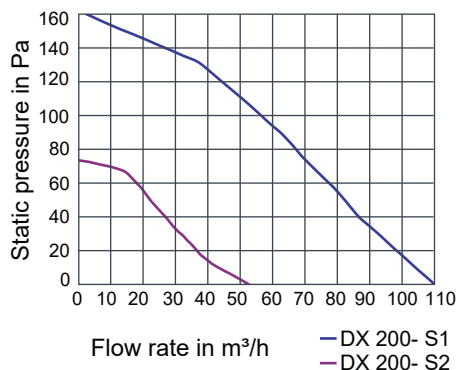
## Specifications

	DX200	DX200T
UK reference number:	91013AW	91014AW
Remote switch (not supplied):	X	X
Integral timer (adjustable from 30 sec - 20 mins):	-	X
Speeds:	2	4
Max. airflow (m³/h) Speed 3:	-	108
Speed 2:	108	79
Speed 1:	50	50
Trickle:	-	36
Max. airflow (l/s) Speed 3:	-	30
Speed 2:	30	22
Speed 1:	14	14
Trickle:	-	10
Sound pressure level (dB (A)@3m):	-	-
Speed 3:	-	50
Speed 2:	50	42
Speed 1:	32	32
Trickle:	-	26
Electrical power rating (W):	34	34
IP rating:	IP55	IP55
Weight (kg):	1.75	1.75
Ducting diameter:	100mm	100mm

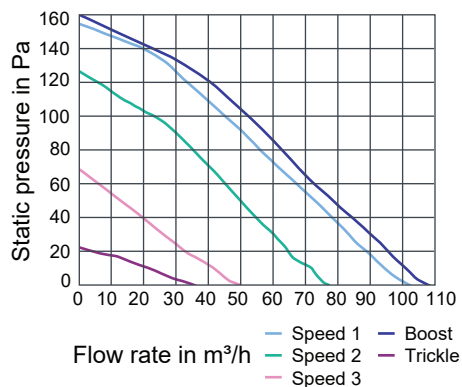
# PREMIER DX200 & DX200T Range - Centrifugal Fans

## Performance

### DX 200 Range



### DX200T



## Models

### DX200 Ref. 91013AW

- High performance centrifugal unit.
- 2 Speeds.
- Colour: white.
- Wall & ceiling mount.

### DX200T Ref. 91014AW

- High performance centrifugal unit with timer.
- Built-in run-on period after light switched off.
- User adjustable from 30 sec - 20 mins.
- Colour: white.
- Wall & ceiling mount.

## Controllers

### Remote Humidistat XRH Ref. 21856AW

- Stand alone humidistat switches fan On/Off when RH reaches preset levels. Complete with pull cord override switch.

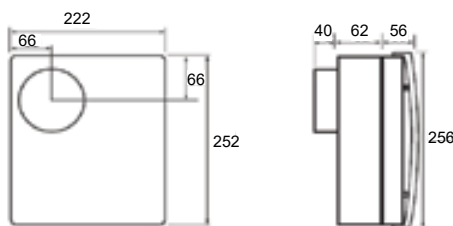
### Time Delay Unit DT20 Ref. 21850AW

- User adjustable run-on timer (2-20 mins).

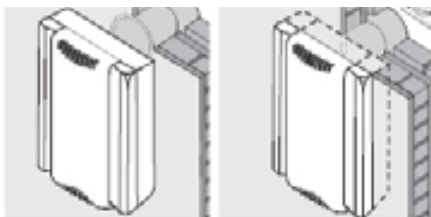
### Passive Infrared Sensor XPIRA Ref. 21871AA

- Activates fan via body movement, ideal for infrequently used public spaces. Built-in timer to prevent nuisance tripping.

## Dimensions (mm)



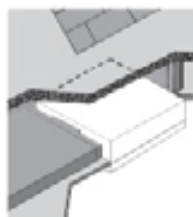
## Installation and Accessories



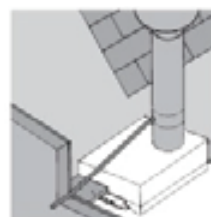
Wall mounting

Flush wall mounted

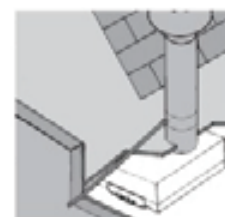
Hole diameter: 117mm  
Ducting size: 100mm



Ceiling mounting with flat ducting



Flush ceiling mounted



Surface ceiling mounted

Hole diameter: 117mm [(W) 203mm x (H) 233mm (flush mounted)]  
Ducting size: 100mm

# SHOWER FAN Range - 100mm In-line Fan

## Key Features

- Type:** In-line single speed axial extract fan & system.
- Application:** Domestic toilets, bathrooms & shower rooms.



## XPELAIR Shower Fan

The Xpelair Shower Fan (BX100C) is designed to extract condensation laden air directly from above the shower, whilst bathing the cubicle in warm light.

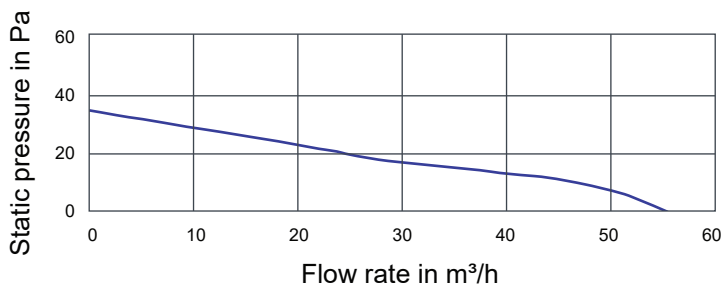
The kits include everything needed for a standard installation including a stylish ceiling inlet complete with bezel and 12V 50W sealed lamp, an in-line extract fan, 12V safety low voltage transformer, flexible ducting (100mm dia.) and a wall grille.

These fans are suitable for shorter duct runs (3m duct supplied) in shower cubicles, bathrooms and toilets.

All fans are IP55 rated and suitable for use with supply voltage of 220V-240V 50Hz.

The fan motor is sealed for life maintenance free and is fitted with safety thermal overload protection.

## Performance



## Specifications

	BX100C
UK reference number:	92278AW
Colour:	Chrome Bezel
Remote switch (not supplied):	X
Duct length (supplied) (mm):	3m
Max extract performance (m³/h):	56
Sound pressure level (dB (A)@3m):	36
Electrical power rating (W):	15
Weight (kg):	0.5

# GX Range - Window / Surface Wall Fans

## Key Features

**Application:** Pubs, restaurants, offices, kitchens, factories, schools & shops.

**Control options:** for 9" & 12"

**Humidity:** XRH controller

**Movement:** XPIRA

**Speed:** FR22/30 single fan (2 speeds)  
EC6 group controller (variable speed)

**Time delay:** DT20



### XPELAIR GX6

The Xpelair GX6 models are designed for use in kitchens and utility rooms and can be window or panel mounted. Bathroom surface wall mounted using optional extra long ladder strips. (2 for GX6, 3 for GX9, 4 for GX12).

A tamper-proof positive plug and socket assembly provides a means of isolation for service access.

Installation in a 25mm window or panel using standard metal ladder strips.

If installed in panels or walls thicker than 25mm, then use GXL20/50 extended ladder strips to enable connection of outer grille to inside of fan.

Both the GX9 and GX12 models are reversible and feature a totally enclosed external rotor motor providing constant volume outputs, even in gusty weather.

Pre-balanced 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.

All models are and suitable for 220V-240V 50Hz mains operation.

Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

## Specifications

	GX6	GXC6	GX9	GXC9	GX12
UK reference number:	90800AW	90850AW	89994AW	89995AW	90012AW
Remote switch (supplied separately):	X	-	X	-	X
Integral pullcord:	-	X	-	X	-
Extract performance (m³/h) high:	266	266	636	520	1546
Extract performance (m³/h) low:	-	-	546	-	1091
Extract performance (l/s) high:	74	74	171	145	429
Extract performance (l/s) low:	-	-	151	-	303
Hole diameter (mm) window mount:	184	184	257	257	324
Sound pressure level (dB (A)@3m) high:	37	37	50	44	55
Electrical power rating (W):	30	30	41	32	85
Weight (kg):	1.9	1.9	4	4	7.9

# GX Range - Window / Surface Wall Fans

## Differences In Models

### GX6 Ref. 90800AW

- Automatic shutters.
- Connect to light switch or separate On/Off switch.
- Cannot be used with speed controller.

### GXC6 Ref. 90850AW

- Pullcord switches fan On/Off and opens shutter.
- Extract only.

### GX9 Ref. 89994AW

- Variable speed use with EC6.
- 2 Speed if used with FR22/30 controller.
- Automatic shutter.
- Intake & extract.
- Connect to light switch or separate On/Off switch.

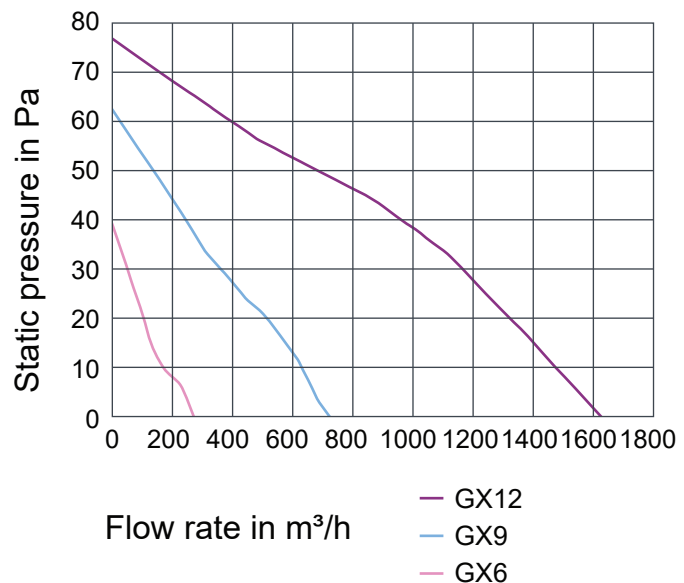
### GXC9 Ref. 89995AW

- Single speed.
- Pullcord switches fan On/Off and opens shutter.
- Extract only.

### GX12 Ref. 90012AW

- Variable speed use with EC6.
- 2 Speed if used with FR22/30 controller.
- Connect to light switch or separate On/Off switch.
- Intake & extract.
- Automatic shutter.

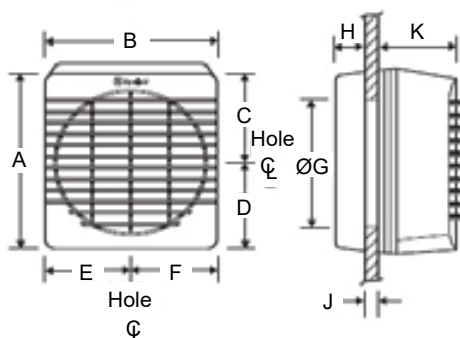
## Performance



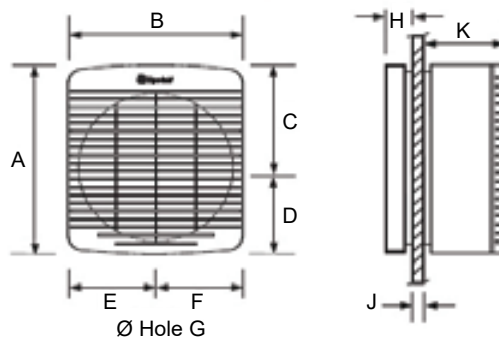
# GX Range - Window / Surface Wall Fans

## Dimensions (mm)

6" Range

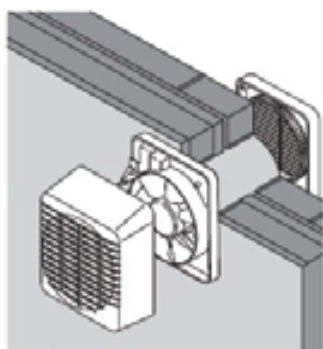


9" & 12" Range

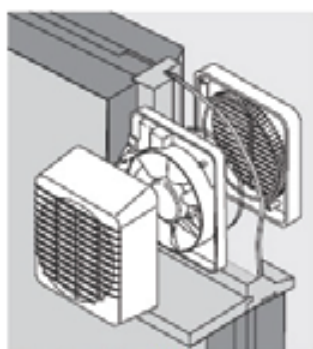


Model:	A	B	C	D	E	F	G	H	J	K
6":	226	210	119	107	109	101	184/203	32	4-25	112
9":	312	294	165	147	147	147	257/266	32	4-25	117
12":	408	380	216	192	190	190	324/3300	34	4-25	161

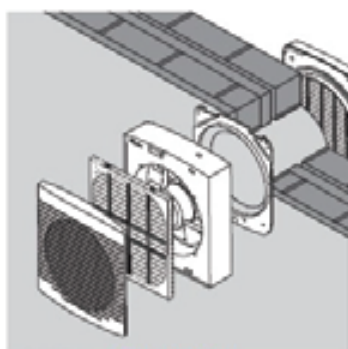
## Installation and Accessories



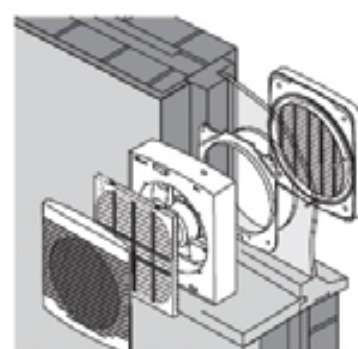
6"  
Wall mounting



6"  
Window mounting



9" & 12"  
Wall mounting



9" & 12"  
Window mounting

6.

### Hole diameter:

- 184mm dia. if used with ladder strips.
- 203mm dia. if used with WK6/11 wall kit.

9.

### Hole diameter:

- 257mm dia. if used with ladder strips.
- 266mm dia. if used with WK9/11 wall kit.

12.

### Hole diameter:

- 324mm dia. if used with ladder strips.
- 330mm dia. if used with WK12/11 wall kit.

# WX Range - Flush Wall Mount Fans

## Key Features

<b>Application:</b>	Pubs, restaurants, offices, kitchens, factories, schools & shops.
<b>Control options:</b>	for 9" & 12"
<b>Humidity:</b>	XRH controller
<b>Movement:</b>	XPIRA
<b>Speed:</b>	FR22/30 single fan (2 speeds) EC6 group controller (variable speed)
<b>Time delay:</b>	DT20

## WX6, WX9, WX12

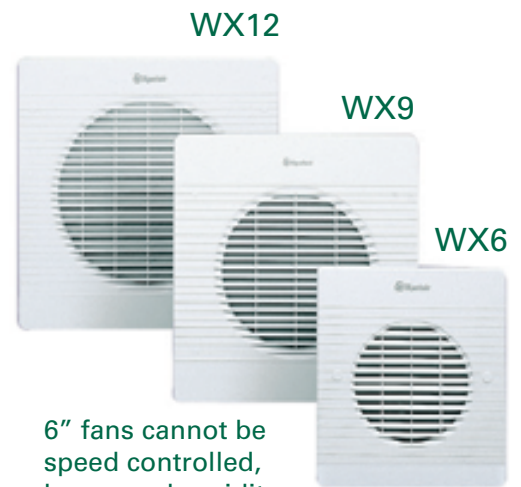
Suitable for installation into double brick walls. The wall hugging, low profile white fascia is styled to blend in cleanly with surroundings.

For safety, a finger guard is integrated into the ultra slim high gloss ABS fascia and the exterior wall grille design.

On WX9 and WX12 units, a positive plug 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 includes a wall liner.

Both the WX9 & WX12 are reversible (not 6") and now feature totally enclosed external motors providing constant volume outputs.



6" fans cannot be speed controlled, however, humidity, movement and time delay is possible.

Sealed for life maintenance free bearings, running costs are impressively low and when not in use the silent electro-thermal shutter cassette closes silently against back draughts.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation.

Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

## Specifications

		WX6	WX9	WX12
UK reference number:		90822AW	89996AW	90011AW
Remote switch (not supplied):		X	X	X
Speeds:		1	2*	2*
Extract performance (m³/h)	high/ low:	246	783 / 663	1715 / 1162
Extract performance (l/s)	high/ low:	68	248 / 184	476 / 179
Intake performance (m³/h)	high/ low:	-	477 / 437	969 / 815
Intake performance (l/s)	high/ low:	-	133 / 121	269 / 226
Hole diameter (mm)	wall mount (width & height):	245 x 268	345 x 375	434 x 434
Sound pressure level (dB (A)@3m)	high/ low:	39	50 / 47	54 / 48
Electrical power rating (W):		34	41	85
Weight (kg):		2.9	4.7	8.3

\*If used in conjunction with FR22/30 controller

# WX Range - Flush Wall Mount Fans

## Models

### WX6 Ref. 90822AW

- High performance extract axial ventilation unit.
- Colour: white.
- 150mm dia. impeller.
- Extract only.

### WX9 Ref. 89996AW

- High performance intake/ extract axial ventilation unit.
- Colour: white.
- 230mm dia. impeller.
- Speed controllable.

### WX12 Ref. 90011AW

- Speed controllable.

- High performance intake/ extract axial ventilation unit.
- Colour: white.
- 300mm dia. impeller.

## Controllers

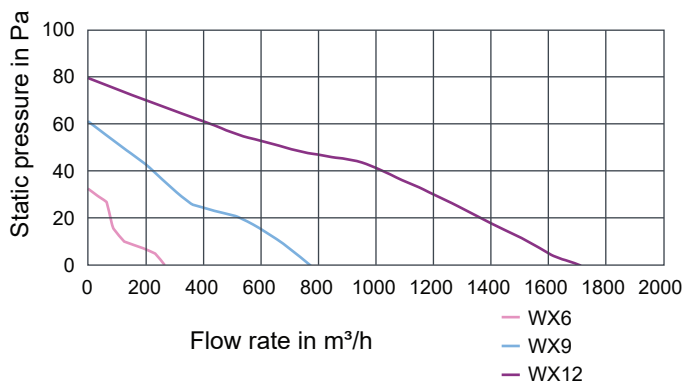
### Single Fan controller FR22/ 30 Ref. 21868AW

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

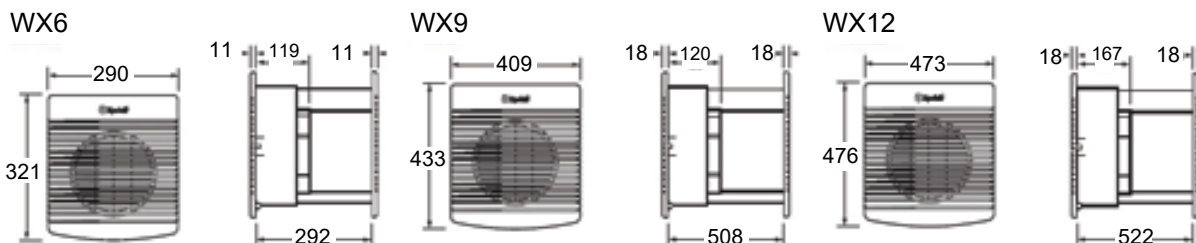
### Group Fan Controller EC6 Ref. 21854AW

- For use with WX9 & WX12.
- On/Off control with neon indicator.
- Infinitely variable speed selection controls extract and intake air flow, (use with 6xWX9's or 4xWX12).

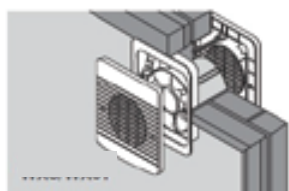
## Performance



## Dimensions (mm)



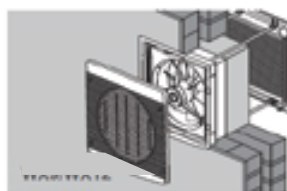
## Installation



WX6

### Wall mounting

Hole diameter: (W) 245mm x (H) 268mm



WX9 / WX12

### Wall mounting

Hole diameter: WX9- (W) 345mm x (H) 375mm  
WX12- (W) 434mm x (H) 434mm

# PX Range - Ceiling Mount Fans

## Key Features

- Type:** Commercial duty ceiling and panel mount axial ventilation unit.
- Application:** Kitchens, restaurants, pubs, offices, schools, shops & kiosks.
- Control options:** for 9" & 12"
- Duct size:**
- PX6: 200mm dia.
- PX9: 250mm dia.
- PX12: 315mm dia.



## PX6, PX9 & PX 12

The PX range introduces a greater flexibility into the design of commercial and larger domestic ventilation systems. They can be installed at any angle in ceilings, voids and wall panels of any thickness.

An integral spigot allows the attachment of flexible ducting. Both the PX9 and PX12 fans are reversible, making them ideal for ducted input systems.

They also feature totally enclosed external rotor motors, providing constant volume outputs even in gusty weather.

Pre-balanced 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 electrothermal shutter cassette closes silently against backdraughts.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation.

Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

## Specifications

	PX6	PX9	PX12
UK reference number:	91300AW	91299AW	91298AW
Remote switch (supplied separately):	X	X	X
Extract only:	X	-	-
Select. intake/ extract/ controller operation:	-	X	X
Speeds:	1	2*	2*
Extract performance (m³/h) high/ low:	246	693 / 600	1715 / 1162
Extract performance (l/s) high/ low:	68	192 / 166	476 / 322
Intake performance (m³/h) high/ low:	-	459 / 418	969 / 815
Intake performance (l/s) high/ low:	-	-	269 / 226
Hole diameter (mm) ceiling mount (width & height):	245 x 268	345 x 375	434 x 434
Sound pressure level (dB (A)@3m) high/ low:	39	50 / 47	54 / 48
Electrical power rating (W):	34	41	85
Weight (kg):	2.8	4.7	7.9

# PX Range - Ceiling Mount Fans

## Models

### PX6 Ref. 91300AW

- With automatic shutters.
- Single speed axial unit.
- Operated by a remote switch.
- Colour: white.
- 150mm dia. impeller.

### PX9 Ref. 91299AW

- With automatic shutters.

- High performance intake/ extract.
- 230mm dia impeller.
- Operated with On/Off switch (not supplied).
- Intake or extract (reversible).
- Colour: white.

### PX12 Ref. 91298AW

- With automatic shutters
- High performance intake/ extract axial flow ventilation unit.
- Operated with On/Off switch (not supplied).

- Intake or extract (reversible).
- Colour: white.
- 300mm dia. impeller.

## Controllers

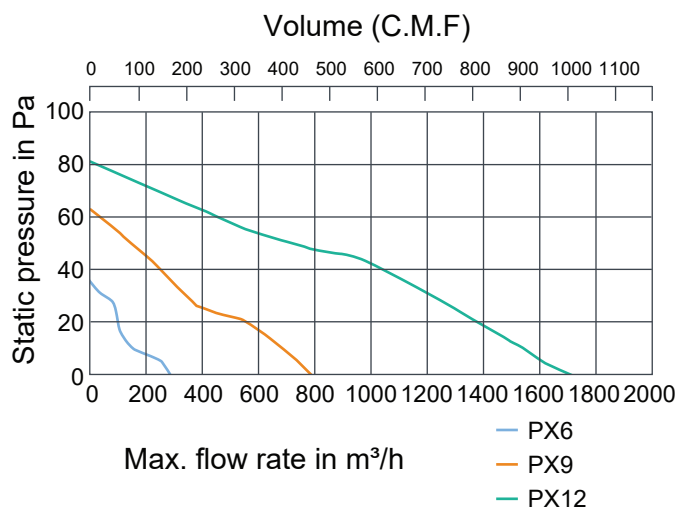
### Single Fan controller FR22/30 Ref. 21868AW

- For use with PX9 and PX12.
- On/Off control with neon indicator.
- Used to select between high and low speeds, intake & extract.

### Group Fan Controller EC6 Ref. 21854AW

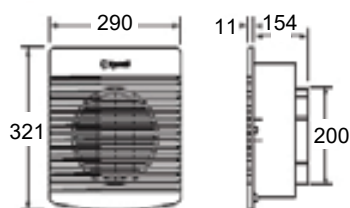
- For use with PX9 & PX12.
- On/Off control with neon indicator.
- Infinitely variable speed selection controls extract and intake air flow (use with 6 x PX9's or 4 x PX12).

## Performance

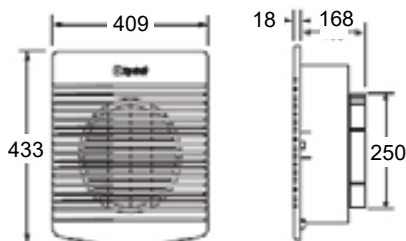


## Dimensions (mm)

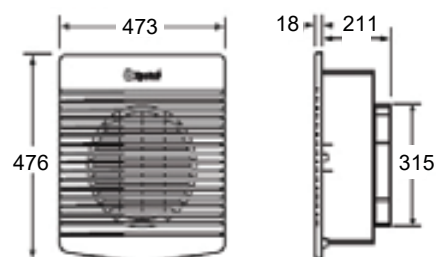
PX6



PX9



PX12



# CX10 Range - Ceiling Mount Fan

## Key Features

**Type:** Ceiling mount axial fans.

**Application:** Domestic kitchens, bathrooms & shower rooms.



## XPELAIR CX10 Ref. 90209AB

The ceiling mount CX10 is suitable for domestic kitchens, larger utility rooms and shower rooms.

Light commercial applications include change rooms, smoking rooms, offices, etc.

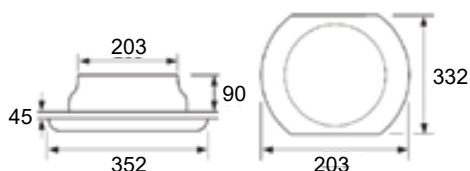
The CX10 is suitable for short duct runs, high humidity areas. The flush design is fitted with finger guard projection. The grille clips off for easy cleaning.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation.

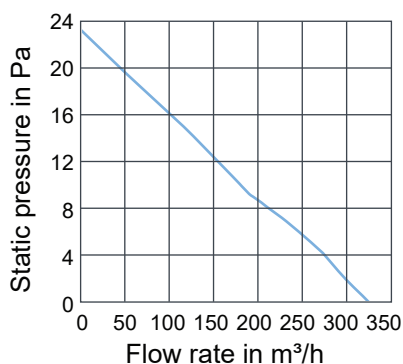
Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

- Single speed axial ceiling fan unit is operated by a remote switch.
- Complete with integral finger-guard and fly screen.
- Lightweight two piece construction suitable for steam and condensation applications.
- Colour: white.
- Can be ducted using 200mm flex ducting.
- Do not duct for longer than 3m.

## Dimensions (mm)



## Performance

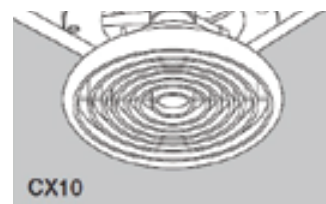


## Specifications

	CX10
UK reference number:	90209AB
Remote switch (not supplied):	-
Extract only:	X
Speeds:	1
Extract performance (m³/h):	329
Extract performance (l/s):	91
Sound pressure level (dB (A)@3m):	44
Electrical power rating (W):	34
Weight (kg):	1.8

## Ceiling Mounting

Impeller dia. : 250mm  
Hole dia. : 300mm  
Ducting size : 200mm



**Note:** do not window or wall mount.

# CMF Range - Ceiling Mount Fan

## Key Features

**Type:** Ceiling mounted centrifugal fans.

**Application:** Domestic kitchens, bathrooms & shower rooms.



## CMF

The ceiling mount CMF fans are suitable for domestic applications that require a longer length of ducting.

The CMF fans are centrifugal type fans and are designed to handle pressure in a ducted application.

All models are suitable for high humidity applications and have an unobtrusive flush design with fingerguard protection.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation.

Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

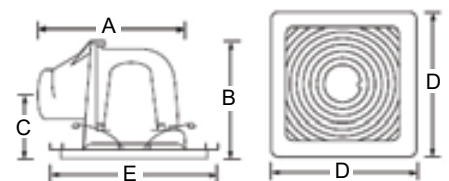
## Dimensions (mm)

Model:	A	B	C	D	E
CMF171:	277	266	123	230	240
CMF241:	343	260	133	290	319
CMF271:	420	318	133	320	350

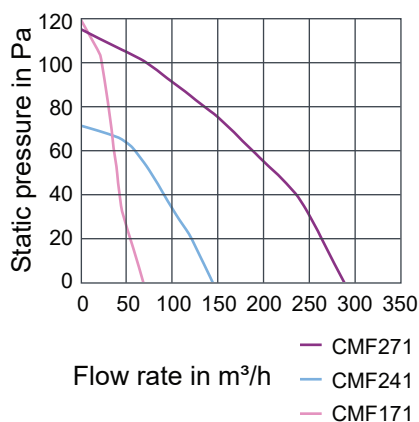
Ceiling mounting



CMF range



## Performance



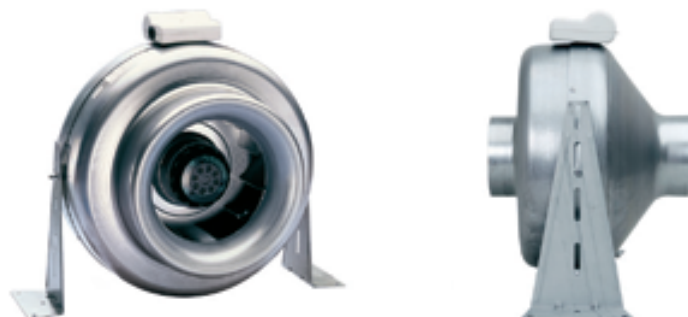
## Specifications

	CMF171	CMF241	CMF271
UK reference number:	89955AW	89956AW	89957AW
Remote switch (not supplied):	-	-	-
Extract only:	X	X	X
Speeds:	1	1	1
Extract performance (m³/h):	63	146	286
Extract performance (l/s):	18	41	79
Hole diameter (mm) ceiling mount:	185 x 185	248 x 248	273 x 273
Ducting size:	102	102	150
Sound pressure level (dB (A)@3m):	38	41	41
Electrical power rating (W):	30	33	48
Weight (kg):	2.7	3.8	6.9

# XID Range - In-line Duct Fan

## Key Features

<b>Type:</b>	Metal in-line.
<b>Application:</b>	Commercial/ industrial.
<b>Control options:</b>	Speed control & humidity/ PIR sensing.
<b>Speed control:</b>	XIC1 controller
<b>Humidity:</b>	XRH
<b>Movement:</b>	XPIRA
<b>Time delay:</b>	DT20



## XPELAIR XID Range

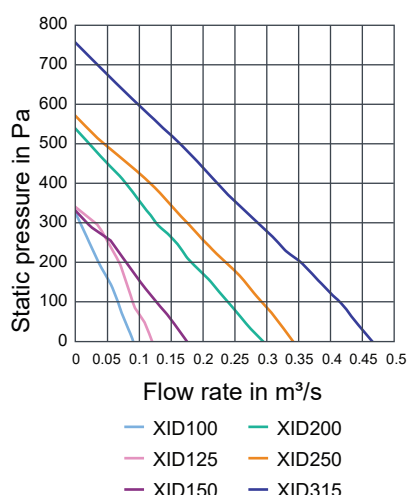
In-line duct systems have grown in popularity as a method of concealed ducted ventilation over the past two decades. The Xpelair XID in-line range is engineered for trouble free operation and delivered complete with adjustable mounting bracket.

The fans are ideal for ducted applications in shops, schools, factories, pubs, toilets, kitchens, etc. The range is manufactured in zinc coated corrosion resistance sheet metal with 30mm long spigot connections for ease of connection to duct work.

The range benefits from external rotor motors and impeller assemblies, whilst the connection box is easily accessible on top of the unit. The fan unit is speed controllable to offer flexibility and individual control.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation and suitable for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

## Performance



## Specifications

		XID100	XID125	XID150	XID200	XID250	XID315
UK reference number:		90101AA	90102AA	90103AA	90104AA	90208AA	90106AA
Spigot diameter (mm):		97	123	147	197	247	312
Extract performance (m³/s)	0Pa:	0.08	0.11	0.17	0.29	0.34	0.46
	100Pa:	0.06	0.09	0.12	0.23	0.29	0.41
	200Pa:	0.04	0.06	0.7	0.17	0.24	0.35
	300Pa:	0.01	0.03	0.2	0.12	0.17	0.28
	400Pa:	-	-	-	0.08	0.11	0.22
	500Pa:	-	-	-	0.02	0.04	0.16
	600Pa:	-	-	-	-	-	0.09
	700Pa:	-	-	-	-	-	0.03
Sound pressure level (dB (A)@3m)	high:	55	53	58	61	60	65
Electrical power rating (W):		84	85	99	157	194	244
Weight (kg):		2.5	2.5	3.7	5	5.6	6.5

# XID Range - In-line Duct Fan

## Models

XID100  
Ref. 90101AA

XID125  
Ref. 90102AA

XID150  
Ref. 90103AA

XID200  
Ref. 90104AA

XID250  
Ref. 90208AA

XID315  
Ref. 90106AA



- Compact and robust zintec steel construction.
- Pressure developing, centrifugal in-line fans suitable for extract or intake applications.
- Extra length 30mm spigots.
- Can be mounted at an angle using the universal mounting bracket supplied.
- Insulation Class F. Fitted with safety thermal overload protection – protected to IP55.
- Impeller is backward curved.
- Supply voltage: 220-240V 50Hz.

## Controllers

Remote Humidistat XRH  
Ref. 21856AW

- Stand alone humidistat switches fan On/Off when RH reaches preset levels. Complete with pull cord override switch.

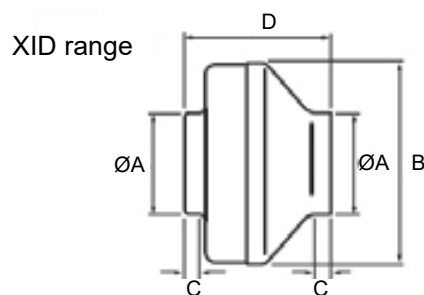
Time Delay Unit DT20  
Ref. 21850AW

- User adjustable run-on timer (2-20 min).

Passive Infrared Sensor  
XPIRA Ref. 21871AA

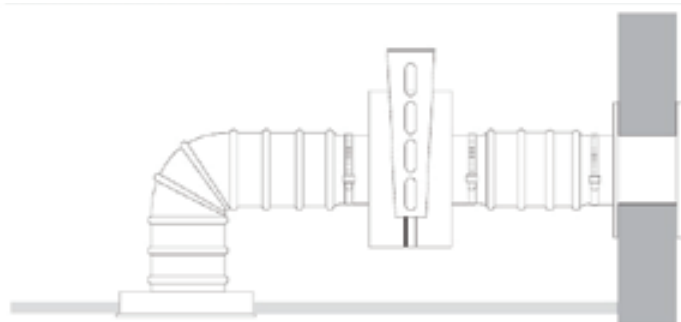
- Activates fan via body movement, ideal for infrequently used public spaces. Built-in timer to prevent nuisance tripping.

## Dimensions (mm)



Model:	ØA	B	C	D
XID100:	95	320	30	240
XID125:	123	320	30	240
XID150:	147	360	30	250
XID200:	197	404	35	250
XID225:	247	404	35	260
XID350:	312	444	40	260

## Installation



# XIDP Range - Plastic Centrifugal In-line Fans

## Key Features

**Type:** Plastic in-line.  
**Application:** Commercial/ industrial.  
**Control options:** Speed control & humidity/ PIR sensing.



## XPELAIR XIDP Range

Centrifugal in-line fans provide the ideal ventilation solution for many exposed and high humidity applications.

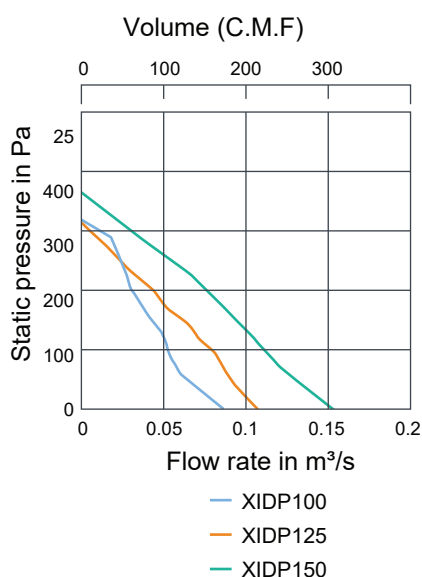
provide the best possible bell mouth entry, guide vanes and outlet.

The wall thickness provides sound insulation and will not corrode.

The casing is both impact and fire resistant and a mounting foot is provided for fast and easy installation.

All models are IP55 rated and suitable for 220V-240V 50Hz mains operation and suitable for operation in ambient temperatures up to 40°C and are fitted with a thermal overload protection.

## Performance



The Xpelair XIDP range is suitable for application where the unit will be seen – in wet areas such as kitchens, shower areas and a wide range of commercial situations. The XIDP range is based on the proven XID external rotor motor and backward curved impeller units to provide a range of high performance plastic in-line fans. Available in 100mm - 315mm dia.

The moulded casing is designed to

## Specifications

	XIDP100	XIDP125	XIDP150	XIDP200	XIDP250	XIDP315
UK reference number:	91383AA	91384AA	91385AA	91386AA	91387AA	91388AA
Spigot diameter (mm):	100	125	150	200	250	315
Extract performance (m³/s)						
0Pa:	0.07	0.1	0.15	0.22	0.28	0.38
100Pa:	0.05	0.08	0.11	0.18	0.24	0.33
200Pa:	0.03	0.05	0.08	0.14	0.2	0.27
300Pa:	0.01	0.01	0.03	0.11	0.15	0.21
400Pa:	-	-	-	0.08	0.11	0.14
500Pa:	-	-	-	0.03	0.06	0.09
600Pa:	-	-	-	-	0.01	0.05
Sound pressure level (dB (A)@3m)						
high:	24	25	25	28	31	41
Electrical power rating (W):	85	85	99	157	194	244
Weight (kg):	2	2.1	2.5	3.8	4.3	5.5

# XIDP Range - Plastic Centrifugal In-line Fans

## Controllers

### Remote Humidistat XRH Ref. 21856AW

- Stand alone humidistat switches fan On/Off when RH reaches preset levels. Complete with pull cord override switch.

### Time Delay Unit DT20 Ref. 21850AW

- User adjustable run-on timer (2-20 min).

### Passive Infrared Sensor XPIRA Ref. 21871AA

- Activates fan via body movement, ideal for infrequently used public spaces.
- Built-in time to prevent nuisance tripping.

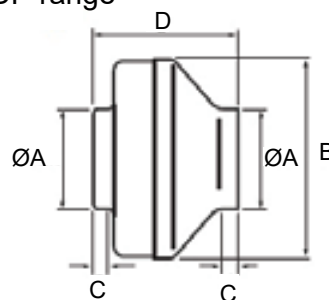
### Inline Fan Controller XIC1 Ref. 21858AW

- Slide switch provides On/Off control.
- Adjustable speed control for infinitely variable speeds.
- Complete with power "On" indicator.

## Dimensions (mm)

An extensive range of accessories are available to complete the installation of the Xpelair XIDP range of in-line fans. The installation diagram shows a typical XIDP ducted installation and associated accessories.

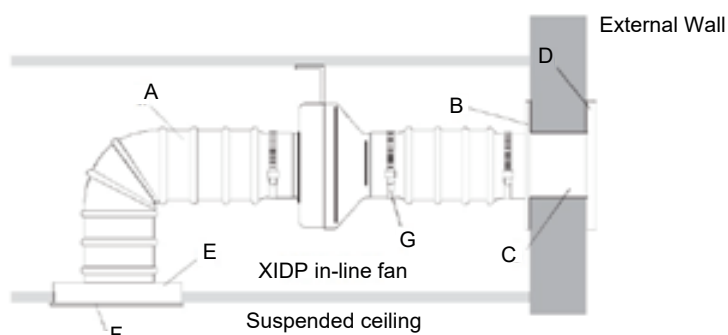
XIDP range



<b>A</b>	Flexible ducting (FD)
<b>B</b>	Spigot plate (SP)
<b>C</b>	Wall duct
<b>D</b>	External air operated louvre shutter (XLG)
<b>E</b>	Grille box
<b>F</b>	Ceiling grille

Model:	ØA	B	C	D
XIDP100:	99	288	30	247
XIDP125:	124	288	30	247
XIDP150:	149	379	30	230
XIDP200:	199	379	30	230
XIDP250:	249	319	30	230
XIDP315:	315	452	30	275

## Installation



# XIM Range - Plastic Mixed Flow Fans

## Key Features

<b>Type:</b>	Plastic in-line.
<b>Application:</b>	Commercial/ industrial.
<b>Control options:</b>	Speed control & humidity/ PIR sensing.
<b>Speed control:</b>	XIC1
<b>Humidity:</b>	XPI RA
<b>Movement:</b>	XRH
<b>Time delay:</b>	DT20



## XPELAIR XIM Range

Traditionally centrifugal ducted systems have been bulky and noisy but not any more.

The new low profile Xpelair XIM units provide plenty of useable power for domestic ducted applications and save space too.

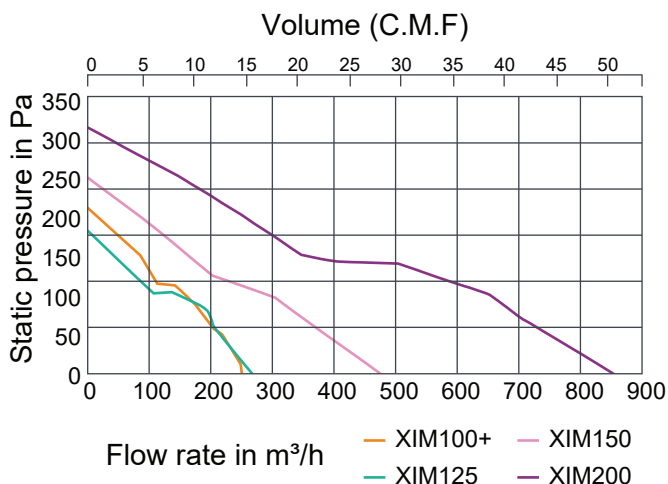
These models are ideal for ducted applications where space is limited such as bathrooms, shower rooms, kitchens and other internal rooms without opening windows.

All models come complete with a convenient mounting cradle.

They are dimensionally smaller than centrifugal units and with lower sound levels these units can often eliminate the need for a silencer.

The plastic construction will not deteriorate in high humidity conditions. All models are IP55 rated. They are double insulated and suitable for 220V-240V 50Hz mains operation and suitable for operation in ambient temperatures up to 40°C and are fitted with a thermal overload protection.

## Performance



## Specifications

	XIM100+	XIM125	XIM150	XIM200
UK reference number:	91254AW	91255AW	91256AW	91258AW
Speeds:	2	2	2	2
Duct size diameter (mm):	100	125	150	200
Max. extract performance (m³/h):	251	265	476	845
Min. extract performance (m³/h):	190	198	358	599
Sound pressure level (dB (A)@3m) high:	22	25	39	39
Electrical power rating (W):	25	25	80	80
Weight (kg):	2.1	2.1	3.2	4.5

# XIM Range - Plastic Mixed Flow Fans

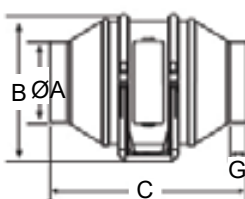
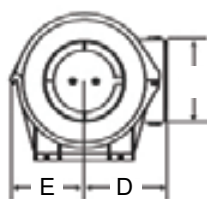
## Key Features

**XIM100+ / 125 / 150 / 200**  
**Ref. 91245AW**

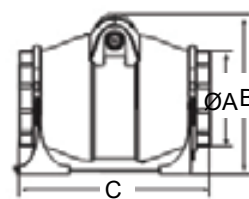
- High performance 2 speed in-line plastic fan.
- Mixed flow impeller/ guide vanes.
- Integral mounting cradle.
- Rated IPX4.
- Supply voltage: 220-240V 50Hz.

## Dimensions (mm)

XIM 100+/125

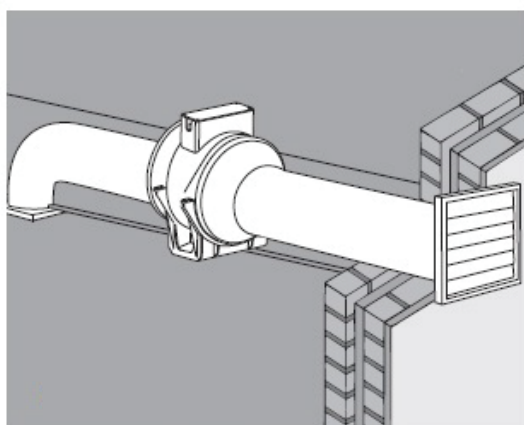


XIM 150/200



Model:	ØA	B	C	D	E	F	G
XIM100+:	98	217	262.4	100	100	168.3	21.3
XIM125:	122	217	262.4	100	100	168.3	21.3
XIM150:	147	244	293.4	130	115	192.3	21.3
XIM200:	197	278.5	363.6	142	140	230.2	51.5

## Installation



### XIM ceiling installation

#### Ceiling mounting

Flexible ducting	FD100	(Use with XIM100+)
Flexible ducting	FD125	(Use with XIM125)
Flexible ducting	FD150	(Use with XIM150)
Flexible ducting	FD200	(Use with XIM200)
Wall grille	CFWG100	(Use with XIM100)
Wall grille	CFWG150	(Use with XIM150)
Louvre grille	XLG125	(Use with XIM125)
Louvre grille	XLG150	(Use with XIM150)
Grille	XLG200	(Use with XIM200)

# Controllers & Accessories



## Wall Grille CFWG

CFWG100 White

Ref: 89742AW

CFWG150 White

Ref: 89857AW

- Surface mount exterior wall outlet grille.
- For use with 100mm/ 150mm nominal size ducting.
- Fixing screws provided.
- Use with: 100mm axial variants.
- CFWG100: (W) 150mm x (H) 150mm x (D) 13mm.
- CFWG150: (W) 217mm x (H) 217mm x (D) 24mm.



## GX Wall Kit WK

Ref: 89370AA (WK6/11)

Ref: 89372AA(WK9/11)

Ref: 89374AA (WK12/11)

For GX6, 9 & 12 Models

- For bridging cavity walls or lining solid double brick walls.
- Steel wall liner length: 280mm.
- Set of 508mm ladder strips.



## SP Spigot Plate

- Available in 100mm dia. duct, 125mm, 150mm, 200mm, 250mm, 315mm.
- Attach to ducting and inner wall.



## XLG Air Operated Louvre Shutter

Ref: 89691AA

- Air operated louvre shutter for 100mm, 125mm, 150mm, 200mm, 250mm, 315mm dia. fans.
- For outside of wall.



## Wall Vent Kit VK10

Ref: 89120AW

- To bridge a cavity or line a solid wall hole.
- Complete with wall duct (WD), 155mm square external back-draught shutter, foam strip and wall fixings.
- Dimensions: (W) 155mm x (H) 155mm x (D) 201mm.



## XIC1 Controller

Ref: 21858AW

- XID Fan Controller for use with XID, XIM & XIDP fans.
- Slide switch provides: On/Off.
- Adjustable control for infinitely variable speed.
- Power 'On' indicator light.
- Surface or recess mounting.
- Colour: white.
- Dimensions: (W) 160mm x (H) 86mm.



## GXL 20/50 Ladder Strips

Ref: 89383AA

- Used when installing GX fans through walls.
- Length: 508mm.
- Easy to cut to size required.
- 6" = 2 strips.
- 9" = 3 strips.
- 12" = 4 strips.



## Door Grilles

Ref: 89529AA (white)

Ref: 89530AA (brown)

- Tight closing bathroom/ toilet doors prevent air circulation to the fan. Air replacement door grilles permit air to flow into the room with the door shut.
- Slimline design.
- Consists of two grilles and fixings.
- Minimum door thickness of 35mm.
- Dimensions: (W) 453mm x (H) 90mm.
- Hole size: (W) 435mm x (H) 77mm.
- Aluminium door grilles made to order also available.

# Controllers & Accessories



**FR22 / 30 Single Fan Controller**  
Ref: 21868AW

- Sliding Switches.
- On/Off.
- 2 Speeds: low- high speed.
- Extract – intake airflow.
- Power “on” indicator.
- For surface/ recess mounting.
- Supply Voltage: 220V – 240V.
- Colour: gloss white.
- Use with: GX9, GX12, WX9, WX12, PX9, PX12.
- Dimensions: (W) 210mm x (H) 86mm x (D) 41mm



**XRH Humidity Sensor**  
Ref: 21856AW

- Stand alone humidistat switches on when RH rises to preset level and off when it declines (50-90% RH).
- Fan operation indicator light.
- Pullcord operated override switch.
- Surface or recess mounting.
- Colour: white.
- Supply voltage 220 - 240V 50Hz.
- Use with all fans.
- Dimensions: (W) 160mm x (H) 86mm x (D) 45mm
- Amp. inductive load 2A @240V AC.



**EC6 Variable Speed Controller**  
Ref: 21854AW

- Can control up to six 9” or four 12” fans.
- Sliding switches and speed control knob.
- On/Off.
- Variable speed control.
- Extract – intake airflow.
- Power “on” indicator.
- For surface/ recess mount.
- Supply voltage: 220V – 240V
- Colour: gloss white.
- Use with GX9, GX12, WX9, WX12, PX9, PX12.
- **Note:** Do not mix fan sizes.
- Dimensions: (W) 160mm x (H) 68mm x (D) 45mm



**XPIRA Passive Infrared Movement Sensor**  
Ref: 90219AW

- Position to switch the fan on when body movement is detected. Ideal for infrequently used public spaces.
- Built-in run-on timer.
- For indoor use only.
- Use with all fans.
- Dimensions: (W) 86mm x (H) 86mm



**DT20 auto Time Delay Switch**  
Ref: 21850AW

- Overrun time delay switch 2-20 minutes.
- Usually connected to the lighting circuit.
- Fan switches On with the light. Provides continued ventilation run-on period after the light has been switched off.
- Surface or recess mounting.
- Colour: white.
- Supply voltage 220-240V 50Hz
- Use with all fans.
- Dimensions: (W) 100mm x (H) 86mm x (D) 45mm
- Amp. inductive load 2.5A @ 240V AC.



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E.&O.E. (errors and omissions excepted)

