Xpelair DX100 & XX100
100mm Axial extract fans

DX100

XX100

Key features

Application: **Domestic bathrooms, shower rooms and toilets. All models come complete with wall and window fitting kit**

Control options: **Pullcord, timer, humidistat and PIR**

Legislation: **Conforms to Building Regulations Part F1**

Hole diameter: **117mm (wall/ceiling) 125mm (window) 110mm (shaft/ducting)**

BEAB 422'2445 zone 1 zone 2 CE

DX100 fan complete with Universal Mounting Kit

The Range

A comprehensive range of stylish, compact and easy to install single speed fans. Suitable for a wide range of domestic applications including bathrooms, shower rooms and toilets, including zones 1 & 2. Also suitable for commercial applications such as hotel bathrooms, office toilets and other small rooms.

DX100 models have a softly curved flowline grille design which will blend into wall or ceiling décor, whilst the shallow depth of the outlet spigot ensures compact window installation. All models come complete with a universal mounting kit (wall tube, gasket x2, outer grille, skirt moulding for window) suitable for wall, ceiling or window mounting (in single glazing up to 6mm) applications. The **DX** range includes an air operated backdraught shutter, outer grille and ducting. Control options include integral pullcord and timer; humidistat and PIR options offer automatic control.

XX100 models are supplied without a kit and are ideal for replacement applications or where a suitable outlet already exists.

All models are IPX5 rated (except **DX100PIR**) and BEAB approved, demonstrating accredited levels of safety. They are all suitable for 220-240V 50Hz mains operation, have lubricated for life motors, Class B insulation for operation in ambient temperatures up to 40°C and are fitted with a thermal cut out.

Select the right product for your application

	DX100	DX100PC	DX100T	DX100H	DX100HP	DX100PIR	XX100	XX100P	XX100T
Reference number	90839AW	90840AW	90841AW	90842AW	90843AW	90844AW	90872AW	90873AW	90874AW
Remote switch (supplied separately)		■	■				■		■
Integral pullcord		■			■			■	
Integral timer (adjustable from 2-20 mins)			■	■	■	■			■
Humidity sensor (50-90% RH)				■	■				
Passive infrared sensor						■			
Maximum air flow (FID, m³/h)	76	76	76	76	76	76	76	76	76
Maximum air flow (FID, l/s)	21	21	21	21	21	21	21	21	21
Sound pressure level (dB(A)@3m)	35	35	35	35	35	35	41	41	41
Electrical power rating (W)	12	12	12	12	12	12	12	12	12
IP rating	IPX5	IPX5	IPX5	IPX5	IPX5	IPX4	IPX5	IPX5	IPX5
Universal mounting kit	■	■	■	■	■	■			
Weight (kg)	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8
Guarantee (years, UK)	3	3	3	3	3	3	3	3	3

Models

DX100
Ref. 90839AW
- Single speed axial unit
- Operated by a remote switch or sensor (In a bathroom normally a separate pullcord or the lighting circuit)
- Includes universal mounting kit
- Colour: White

DX100PC
Ref. 90840AW
- Single speed axial unit with pullcord
- Operated by integral pullcord
- Includes universal mounting kit
- Colour: White

DX100T
Ref. 90841AW
- Single speed axial unit with timer
- Timer triggered by a remote switch - usually the lighting circuit
- Adjustable timer (2-20mins)
- Includes universal mounting kit
- Colour: White

DX100H
Ref. 90842AW
- Single speed axial unit with humidistat
- Automatic On/Off operation by integral humidity sensor, adjustable from 50-90% RH
- Timer function adjustable (2-20mins)
- Includes universal mounting kit
- Colour: White

DX100HP
Ref. 90843AW
- Single speed axial unit with humidistat and pullcord
- Timer function adjustable (2-20mins)

- Automatic On/Off operation by integral humidity sensor, adjustable from 50-90% RH
- Pullcord On feature overrides the auto-humidity sensor function
- Includes universal mounting kit
- Colour: White

DX100PIR
Ref. 90844AW
- Single speed axial unit with PIR detector
- Automatic On/Off operation
- Integral passive infrared sensor
- Includes universal mounting kit
- Colour: White

XX100
Ref. 90872AW
- Single speed axial unit
- Operated by remote switch
- Colour: White

XX100P
Ref. 90873AW
- Single speed axial unit with pullcord
- Operated by integral On/Off pullcord
- Colour: White

XX100T
Ref. 90874AW
- Single speed axial unit with timer
- Normally triggered by a remote switch, for example the lighting circuit
- Colour: White

> **Typical Specifications** on page 161.
> **Wiring Diagrams** on page 181.
> **Remote Sensors** on page 56.

Controllers

Remote Humidistat XRH
Ref. 21856AW
- Stand alone humidistat switches fan On/Off when RH reaches pre-set levels. Complete with pullcord override switch

Time Delay Unit DT20B
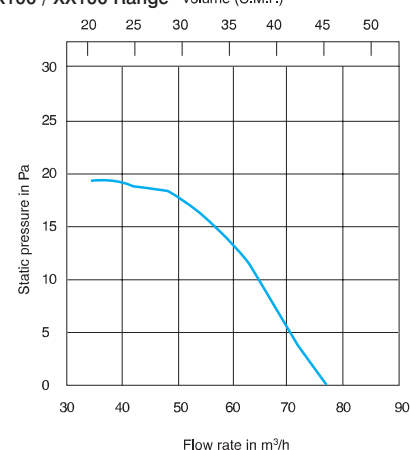**Ref. 21850AW**
- User adjustable run on timer (2-20mins)

Passive Infrared Sensor XPIRA
Ref. 21871AA
- Activates fan via body movement. Ideal for infrequently used public spaces. Built in timer to prevent nuisance tripping
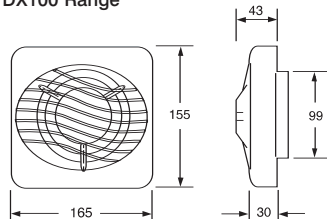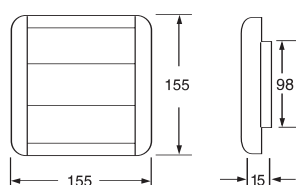
Performance

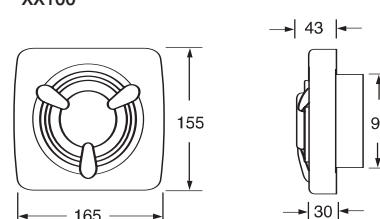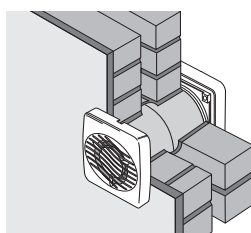**DX100 / XX100 Range** Volume (C.M.F.)

Dimensions (mm)

DX100 Range

Back draught shutter

XX100

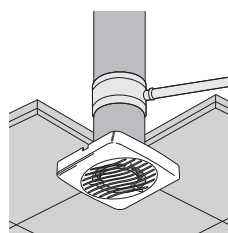## Installation and Accessories

Wall Mounting using kit provided

Hole diameter: 117mm
Ducting size: 100mm

Alternative Accessories

Easy fit kit EFT
Ref. 90427AA
Vent cowl VC10
Ref. 89531AA
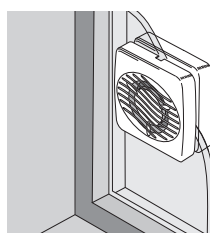Air brick adaptor XAA
Ref. 89777AA

Ceiling Mounting

Hole diameter: 117mm
Ducting size: 100mm

Installation Accessories

Condensation trap XCT100
Ref. 89749AA
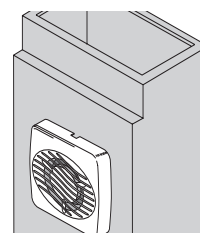Vent cowl VC10
Ref. 89531AA

Wall Mounting using kit provided
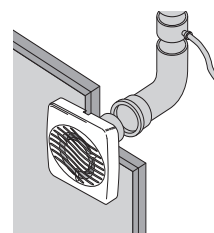
Hole diameter: 125mm
Max. glass thickness: 6mm

Installation Accessories

Double glazing kit DXDG
Ref. 07439AA

Ventilation Shaft Mounting

Hole diameter: 110mm

Ducting Application

Hole diameter: 110mm
Ducting size: 100mm

Installation Accessories

Condensation trap XCT100
Ref. 89749AA

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