

Xpelair Premier DX400 & CF40

Centrifugal extract and condensation control fans



Key features

Application: **Domestic kitchens, utility rooms and larger bathrooms; commercial bathroom, small offices and public toilets. Suitable for surface and floor, wall and ceiling mounting**

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

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

Hole diameter: **117mm**



Select the right product for your application

	DX400	DX400T	DX400PC	DX400RS	CF40	CF40TD	CF40RSTD
Reference number	91083AW	91084AW	91100AW	91085AW	91086AW	91087AW	91088AW
Remote switch (supplied separately)	■	■		■			
Remote switch (supplied)							■
Integral pullcord			■		■	■	
Integral adjustable run-on timer (30s to 20 mins)		■				■	■
Humidity sensor (50-90% RH)					■	■	■
Quick visit facility (2 minutes)		■				■	
Speeds	2	3	3	3	5	5	5
Trickle ventilation facility		■	■	■	■	■	■
Extract performance (FID, m ³ /h)							
boost					250	250	250
speed 3					174	174	174
speed 2	245	245	245	245	143	143	143
speed 1	143	143	143	143	90	90	90
trickle		61	61	61	61	61	61
Extract performance (FID, l/s)							
boost					69	69	69
speed 3					48	48	48
speed 2	68	68	68	68	40	40	40
speed 1	40	40	40	40	25	25	25
trickle		17	17	17	17	17	17
Sound pressure level (dB(A)@3m)							
boost					55	55	55
speed 3					46	46	46
speed 2	55	55	55	55	40	40	40
speed 1	42	42	42	42	33	33	33
trickle		27	27	27	27	27	27
Electrical power rating (W)	78	78	78	78	77	77	77
Hole diameter	115	115	115	115	115	115	115
IP rating	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
Weight (kg)	3	3	3	3	3	3	3
Guarantee (years, UK)	3	3	3	3	3	3	3

The Range

Kitchen ventilation has never looked so good. Since its launch, Premier has taken the ventilation market by storm. **DX400** extract and **CF40** condensation control fans are no exception. These pressure developing centrifugal fans are sleekly styled and are ideally suited for use in kitchens, utility rooms and larger bathrooms and toilets and individual offices.

They can be surface or flush mounted in walls and ceilings using the universal mounting accessories provided, and include a back draught shutter and outlet grille. Both models have their inlet discreetly concealed behind a stylish white front cover. This cover is held in position by clips for easy removal for cleaning.

Control options include integral pullcord and timer. Models with an integral humidistat offer automatic control. **CF40TD** features a delay start 'quick visit' facility preventing the fan from coming on should the light be switched on and then off within 2 minutes.

All models are IPX5 rated and BEAB approved. They are all suitable for 220-240V 50Hz mains operation and feature external rotor motors with integral balanced impellers, sealed for life maintenance free bearings and safety thermal cut out protection.

Optional filter is available see page 57.

Models

Premier DX400

Ref. 91083AW

- Two speed centrifugal fan
- Pre-select speed to suit application
- Alternatively use optional COS switch to change between speeds and On/Off
- Includes external wall grille

Premier DX400T

Ref. 91084AW

- Centrifugal fan with timer
- Timer is typically connected to a lighting circuit
- Built in run-on period after the light has been switched Off, user adjustable from 30s-20min
- Fan operates at full speed when light is On, then operates at reduced speed during run-on and the switches to either Trickle or Off (installer selectable)
- 'QuickVisit' delay feature prevents the fan from running should the light be switched On/Off again within two minutes
- Fan running status lights
- Includes external wall grille

Premier DX400PC

Ref. 91100AW

- High, Low, On/Off with tricklevent operated by integral 3 position pullcord switch
- Fan running status lights
- Includes external wall grille

Premier DX400RS

Ref. 91085AW

- Two speed centrifugal fan
- Pre-select speed to suit application
- Alternatively use optional COS switch to change between speeds and On/Off
- Trickle vent option is activated by a preset switch on the unit

- Fan running status lights
- Includes external wall grille

Premier CF40

Ref. 91086AW

- Condensation Control Range with humidistat
- Automatic operation through integral humidity sensor
- Pullcord selects High, Low, Off or Trickle

Premier CF40TD

Ref. 91807AW

- Automatic operation through integral humidistat
- Pullcord selects High, Low, Off or Trickle
- 'QuickVisit' delay feature prevents the fan from running should the light be switched On/Off again within two minutes
- Fan running status lights
- Includes external wall grille

Premier CF40RSTD

Ref. 91088AW

- Automatic operation through integral humidistat
- MOS remote switch (supplied) selects high or low speed and can switch the unit Off (or to tricklevent).
- Built in humidity control run on period
- User adjustable from 30sec-20min
- Fan running status lights
- Includes external wall grille

Note: For kitchen applications a grease filter PDXGF is recommended **Ref. 91145AA**

Controllers

Manual Override Switch MOS

Ref. 90199AW

- Switch 1 controls the high/low speed levels and Switch 2 controls On/Off and the tricklevent option



Change Over Switch COS

Ref. 90108AW

- Used to select between high and low speed operation

Remote Humidistat XRH

Ref. 21856AW

- Stand alone humidistat switches fan On/Off when RH reaches pre-set levels. Complete with pullcord override switch

Remote Time Controller DT20B

Ref. 21850AW

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

Passive Infrared Sensor XPIRA

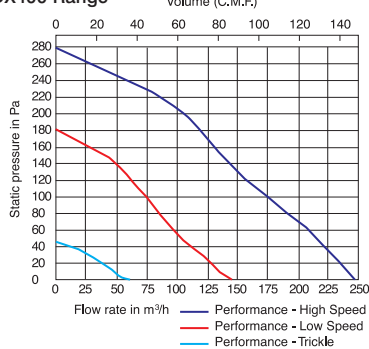
Ref. 21871AA

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

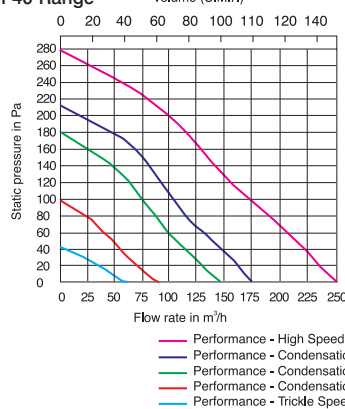
Typical Specifications on page 165.
Wiring Diagrams on page 183.
Remote Sensors on page 56.

Performance

DX400 Range

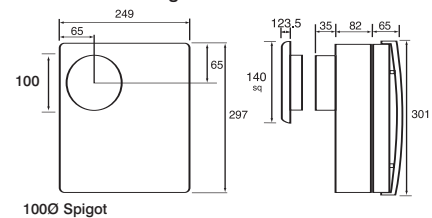


CF40 Range

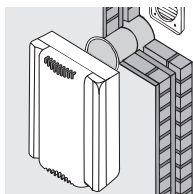


Dimensions (mm)

DX400/CF40 Range



Installation and Accessories



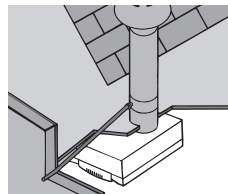
Wall Mounting

Hole diameter: 117mm
Ducting size: 100mm

Installation Accessories

Easy fit kit EFT
Wall Tube WD100

Ref. 90427AA
Ref. 89543AA

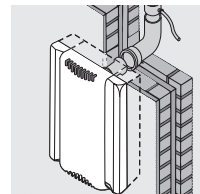


Ceiling Mounting

Hole diameter: 117mm
Ducting size: 100mm

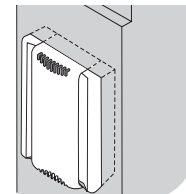
Installation Accessories

Flat ducting XFP
Flexible ducting FD100
Condensation trap XCT100
Vent cowl VC10
Ceiling mounting kit XCMK



Ducted Applications

see **Profile 60**
Ref. 89910AA
Ref. 89749AA
Ref. 89531AA
Ref. 90066AA



Ventilation Shaft Mounting

Hole diameter: 117mm
Ducting size: 100mm