

Xpelair Premier DX180, DX200 & CF20

Centrifugal extract and condensation control fans



DX180

DX200

CF20

Key features

Application: **Suitable for surface, flush wall and ceiling mounting. Window kit available**

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

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

Hole diameter: **117mm (wall/ceiling)
120mm (window)**

The Range

The efficient and stylish Premier range of pressure developing fans is designed specifically for domestic applications, including bathrooms, shower rooms, toilets and utility rooms where longer duct runs are required. They are also suitable for commercial applications such as hotel rooms, office toilets, commercial bathrooms and for coastal installations.

All models have a gloss white casing with clean and sleek appearance. A two part casing means Premier fans can easily be recessed or surface mounted. They can be fitted into ceilings or stud work walls in recesses as little as 50mm deep using the side entry knockout provided, an FDA adaptor and Profile 29 flat duct. Alternatively 100mm circular ducting can be used. All feature an automatic

air operated back draught shutter and the **CF20** range are supplied with a brown 100mm external outlet grille for wall or soffit fixing.

The clip off front cover and removable fan blade on all models allow easy cleaning and maintenance. All also have a neon indicator (except **DX180/T**).

DX200 and **CF20** models are IPX5 rated where-as the **DX180** models are IPX4. All are BEAB approved. They are all suitable for 220-240V 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.

Optional filter is available. See page 57.



Select the right product for your application

		DX180	DX180T	DX180H	DX200	DX200T	CF20	CF20T
Reference number		91181AW	91182AW	91183AW	91013AW	91014AW	91015AW	91016AW
Remote switch (supplied separately)		■	■		■	■		■
Integral pullcord							■	■
Integral adjustable run-on timer (30s to 20 mins)						■		■
Integral fixed run-on timer (20 mins)			■					
Humidity sensor (50-90% RH)				■			■	■
Quick visit facility (2 minutes)						■		■
Speeds		1	1	1	2	4	5	5
Trickle ventilation facility						■	■	■
Extract performance (FID, m³/h)	boost	-	-	-	-	-	108	108
	speed 3	-	-	-	-	108	102	102
	speed 2	-	-	-	108	79	79	79
	speed 1	94	94	94	50	50	50	50
	trickle	-	-	-	-	36	36	36
Extract performance (FID, l/s)	boost	-	-	-	-	-	30	30
	speed 3	-	-	-	-	30	28	28
	speed 2	-	-	-	30	22	22	22
	speed 1	26	26	26	14	14	14	14
	trickle	-	-	-	-	10	10	10
Sound pressure level (dB(A)@3m)	boost	-	-	-	-	-	50	50
	speed 3	-	-	-	-	50	48	48
	speed 2	-	-	-	50	42	42	42
	speed 1	49	49	49	32	32	32	32
	trickle	-	-	-	-	26	26	26
Max. electrical power rating (W)		26	26	26	34	34	34	34
IP rating		IPX4	IPX4	IPX4	IPX5	IPX5	IPX5	IPX5
Weight (kg)		2.0	2.0	2.0	1.75	1.75	1.75	1.75
Guarantee (years, UK)		3	3	3	3	3	3	3

Models

Premier DX180

Ref. 91181AW

- Single speed centrifugal unit
- Operated by remote switch or sensor

Premier DX180T

Ref. 91182AW

- Single speed centrifugal unit with timer
- Built-in fixed 20mins run On period after the light has been switched Off

Premier DX180H

Ref. 91183AW

- Single speed centrifugal unit with humidistat
- On/Off humidistat adjustable 50-90% RH

Premier DX200

Ref. 91013AW

- High performance centrifugal unit
- Choice of 2 set speeds

Premier DX200T

Ref. 91014AW

- High performance centrifugal unit with timer
- Room size selector matches extract performance for improved efficiency

- 'QuickVisit' delay feature prevents fan from running should light be switched On/Off again within 2mins
- Mechanical trickle ventilation facility
- Built-in run-on period after light switched Off. User adjustable from 30s-20mins

Premier CF20

Ref. 91015AW

- High performance condensation control centrifugal unit
- Step-speed, user adjustable humidistat
- Room size selector matches extract performance for improved efficiency
- Tricklevent and Pullcord manual override
- Includes external wall grille

Premier CF20T

Ref. 91016AW

- All the features of CF20 plus:
- Auto run-on after light switched Off
- 'QuickVisit' delay feature prevents fan from running should light be switched On/Off again within 2 mins

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

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 Delay Unit DT20B

Ref. 21850AW

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

Passive Infrared Sensor XPIRA

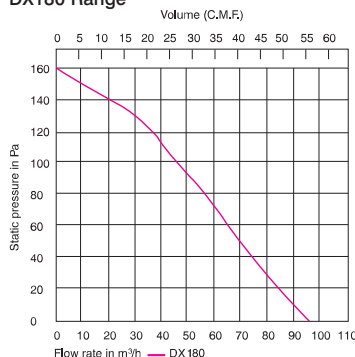
Ref. 21871AA

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

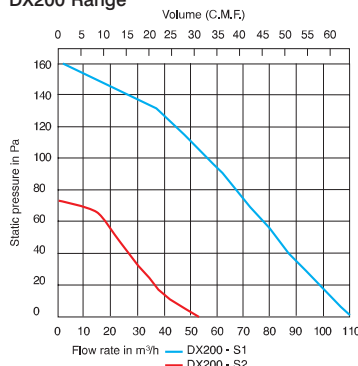
Typical Specifications on page 160.
Wiring Diagrams on page 180.
Remote Sensors on page 56.

Performance

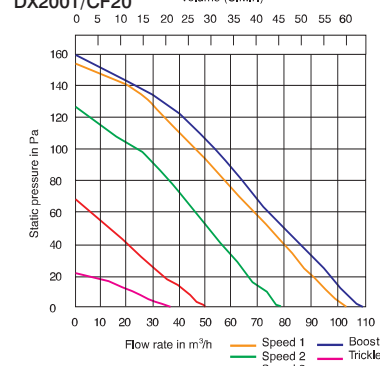
DX180 Range



DX200 Range

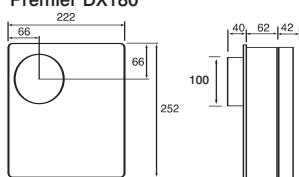


DX200T/CF20

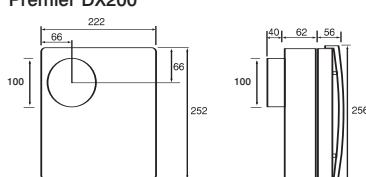


Dimensions (mm)

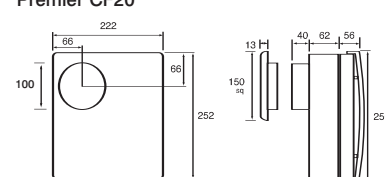
Premier DX180



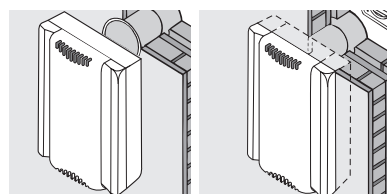
Premier DX200



Premier CF20



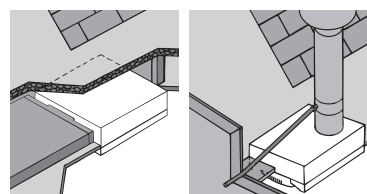
Installation and Accessories



Wall Mounting

Flush Wall Mounting

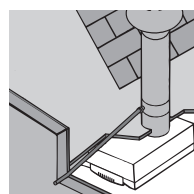
Hole diameter: 117mm



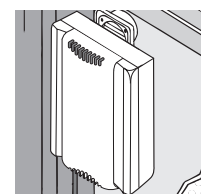
Ceiling Mounting with flat ducting

Flush Ceiling Mounted

Hole diameter: 117mm or (w233 x h203mm flush mounted)



Surface Ceiling Mounted



Window Mounting

Hole diameter: 120mm

Installation Accessories

Wall vent kit VK10
Termination ducting kit WT
Wall tube WD100
Easy fit kit EFT

Ref. 89120AW
Ref. 89538AA
Ref. 89543AA
Ref. 90427AA

Installation Accessories

Flat ducting XFP
Flexible ducting FD100
Condensation trap XCT100
Vent cowl VC10
Flat duct adaptor FDA
Ceiling mounting adaptor XCMK

see Profile 29
Ref. 89910AA
Ref. 89749AA
Ref. 89531AA
Ref. 90547AA
Ref. 90066AA

Installation Accessories

Glass mounting kit GMK
Ref. 90546AA