

Xpelair CentrX

Centrifugal panel fans



CT100

CT100+

Key features

Application: **Domestic bathrooms, shower rooms, toilets and utility rooms for wall or duct mounting**

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

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

Hole diameter: **150mm (CT100)
100mm (CT100+)**

The Range

CentrX is a range of two sizes of pressure developing centrifugal panel fans for ducted or through the wall applications. They are the ideal solution for ducted applications where extra pressure development is required, including toilets, bathrooms, shower rooms and utility rooms.

They are recommended in place of an axial fan in exposed coastal situations or exposed high rise applications.

They are also suitable for commercial applications for the ventilation of small internal rooms.

The slim stylish grille is easily recognisable as Xpelair, with a bellmouth entry and finger guard through which air is drawn directly into the eye of the high performance centrifugal fan. The spigot outlet on both sizes of unit is only 100mm reducing space requirements for flexible ducting or Profile 60 rigid flat ductwork, all models come with built in backdraught shutter.

For simplified installation models are available with a built-in overrun timer and humidistat. They can be installed at any angle. All have an 'On' indicator light and a maintenance free motor with sealed for life bearings and safety thermal overload protection.

Profile 60 duct work shown on page 52-53.



Slim stylish grille

Select the right product for your application

	CT100	CT100T	CT100HT	CT100+	CT100+P	CT100+HT
Reference number	91236AW	91237AW	91238AW	91239AW	91240AW	91241AW
Remote switch (supplied separately)	■			■		
Integral pullcord					■	
Integral timer (adjustable)		■	■			■
Integral humidity sensor			■			■
Extract performance (FID, m ³ /h)	62	62	62	169	169	169
Extract performance (FID, l/s)	17	17	17	47	47	47
Sound pressure level (dB(A)@3m)	49	49	49	52	52	52
Electrical power rating (W)	25	25	25	45	45	45
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	0.98	0.98	0.98	1.64	1.64	1.64
Guarantee (years, UK)	2	2	2	2	2	2

Models

CT100

Ref. 91236AW

- Centrifugal panel fan
- Can be installed at any angle
- Operated by remote switch or sensor.
In a bathroom usually a pullcord or wired to the lighting circuit
- On indicator light
- Slim fascia with bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

CT100T

Ref. 91237AW

- Centrifugal panel fan with timer
- Connected to the room wiring circuit.
- Provides a preset timed overrun (3-15mins) after the light has been switched off
- Can be installed at any angle.
- On indicator light.
- Slim fascia with bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

CT100HT

Ref. 91238AW

- Centrifugal panel fan with humidistat and timer
- Auto humidity control switches the fan on with a rise in humidity above the preset level.
- Overrun timer (adjustable from 45s-15min) ensures the absence of nuisance tripping
- Can be installed at any angle
- On indicator light
- Slim fascia with bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

CT100+

Ref. 91239AW

- High output centrifugal panel fan
- For larger bathrooms and utility rooms
- Can be installed at any angle
- Operated by proprietary remote switch or sensor
- With bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

CT100+P

Ref. 91240AW

- Integral pullcord operation
- With bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

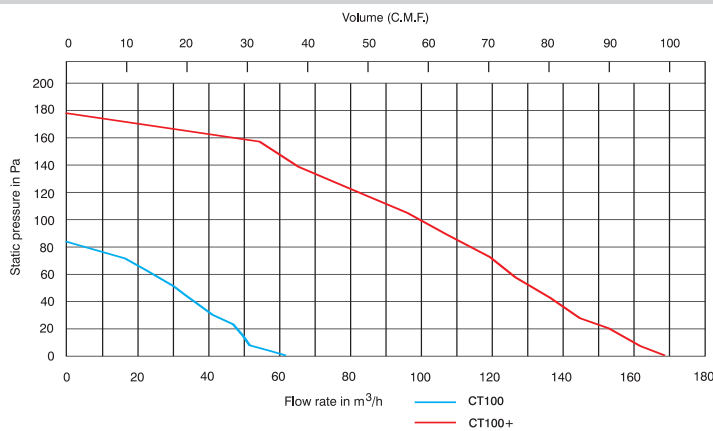
CT100+HT

Ref. 91241AW

- With integral humidistat
- Auto humidity control switches the fan on with a rise in humidity above the preset level.
- Overrun timer (adjustable from 45s-15min) prevents nuisance tripping
- Can be installed at any angle
- With bellmouth and fingerguard
- 100mm duct spigot
- Maintenance free motor with sealed for life bearings and safety thermal overload protection
- Colour: White

Typical Specifications on page 162.
Wiring Diagrams on page 181.
Remote Sensor on page 56.

Performance



Controllers

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)

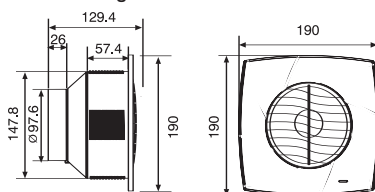
Passive Infrared Sensor XPIRA

Ref. 21871AA

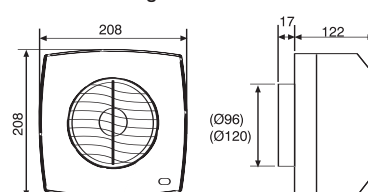
- Activates fan via body movement. Ideal for infrequently used public spaces. Built in timer to prevent nuisance tripping

Dimensions (mm)

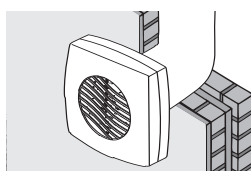
CentrX 100 Range



CentrX 100+ Range

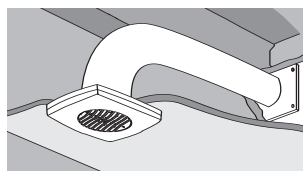


Installation and Accessories



Wall Mounting

Hole diameter: CT100 150mm
CT100+ 100mm
Ducting size: 100mm



Ceiling mounting with ducting

Hole diameter: CT100 150mm
CT100+ 100mm
Ducting size: 100mm

Installation Accessories

Wall Mounting

Wall tube WD100
Ref. 89543AA
Telescopic wall vent kit VK10
Ref. 89120AW

Ceiling Mounting

Flexible ducting FD100
Ref. 89663AA
Ceiling mounting adaptor
Ref. 90066AA
Condensation trap XCT100
Ref. 89749AA
Weather cowl VC10
Ref. 89531AA