

Xpelair XID

Centrifugal metal inline fans



Key features

Type:	Metal inline
Application:	Commercial/Industrial
Control options:	Speed control and humidity/PIR sensing



The Range

Inline duct systems have grown in popularity as a method of concealed ducted ventilation over the past two decades. The Xpelair **XID** inline range is engineered for trouble free operation, delivered complete with adjustable mounting brackets and terminal box.

The practical, reliable fans are ideal for ducted applications in shops, schools, factories, offices, pubs, hotels, restaurants and kitchens. They are available in 100-315mm duct size diameters to suit any application.

The range is manufactured in zinc coated corrosion resistant sheet metal with 30mm long spigot connections for ease of connection to ductwork.

The range benefits from external rotor motor 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.

A full choice of ventilation accessories is available to complement this range to design a complete system.

Models

- Compact and robust zintec steel construction
- Pressure developing, centrifugal inline fans suitable for extract or intake applications
- Extra length 30mm spigots
- Can be mounted at any angle using the universal mounting bracket supplied
- External rotor motor - totally enclosed and lubricated for life
- Insulation Class F. Fitted with safety thermal overload protection - protected to IPX4
- Impeller is backward curved
- Supply voltage: 220-240V 50Hz

Select the right product for your application

	XID100	XID125	XID150	XID200	XID250	XID315
Reference number	90101AA	90102AA	90103AA	90104AA	90208AA	90106AA
Spigot diameter (mm)	97	123	147	197	247	312
Extract performance (m ³ /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	0.07	0.17	0.24	0.35
300Pa	0.01	0.03	0.02	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)	25	26	26	29	32	36
Max electrical power rating (W)	85	85	99	157	194	244
Weight (kg)	2.5	2.5	3.7	5	5.6	6.5
Guarantee (years, UK)	3	3	3	3	3	3

Controllers

Inline Fan Controller XIC1

Ref. 21858AW

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



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

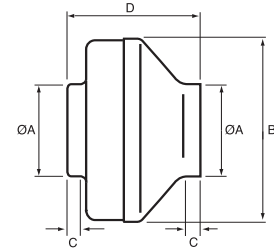
Typical Specifications on page 177.

Wiring Diagrams on page 189.

Control Details on pages 154-155.

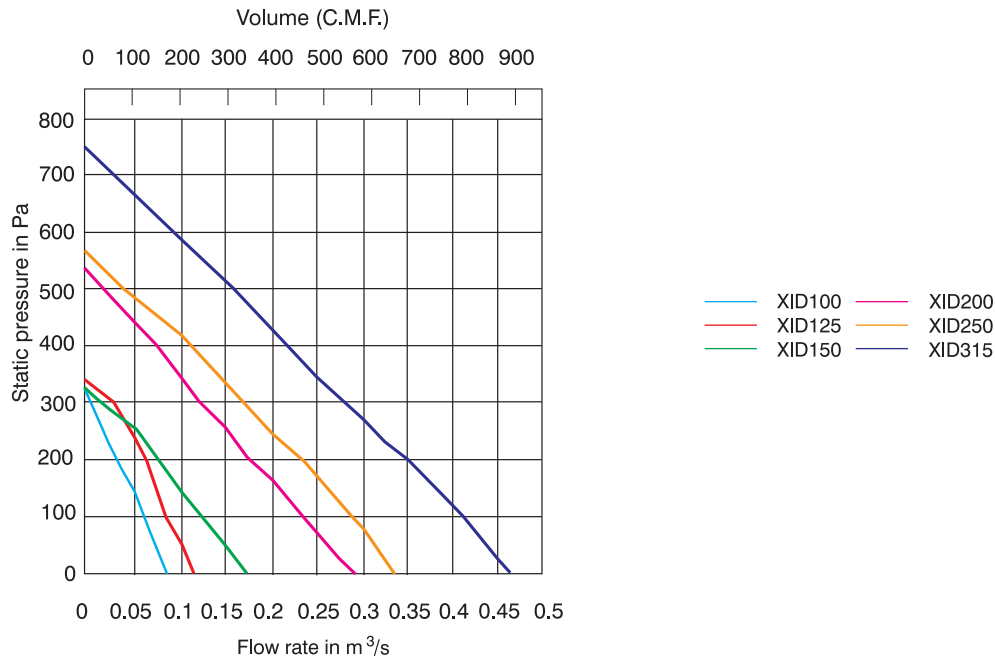
Dimensions (mm)

XID Range



Model	Dimensions (mm)			
	ØA	B	C	D
XID100	97	320	30	240
XID125	123	320	30	240
XID150	147	360	30	250
XID200	197	404	35	250
XID250	247	404	35	260
XID315	312	444	40	260

Performance



Installation and Accessories

An extensive range of accessories are available to complete the installation of the Xpelair **XID** range of inline fans.

The installation diagram shows a typical **XID** ducted installation and associated accessories.

- A** Flexible ducting
- B** Spigot plate
- C** Wall duct
- D** External air operated louvre shutter
- E** Grille box
- F** Ceiling grille
- G** Worm drive clip

