

## Approvals:



3yr Guarantee



## 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 and delivered complete with adjustable mounting bracket. The practical, reliable fans are ideal for ducted applications in shops, schools, factories, offices, pubs, hotels, restaurants and kitchens. They are available in a variety of 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

Xpelair XID models Model / Ref

XID100 / 90101AA

XID125 / 90102AA

XID150 / 90103AA

XID200 / 90104AA

XID250 / 90208AA

XID315 / 90106AA

• Compact and robust zinc coated 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

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

• Remote Time Controller DT20 • Ref. 21850AW • User adjustable run on timer (2-20mins)

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

## Technical specification

The unit is to be supplied from the Xpelair XID range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789 Model / Ref

XID100 / 90101AA

XID125 / 90102AA

XID150 / 90103AA

XID200 / 90104AA

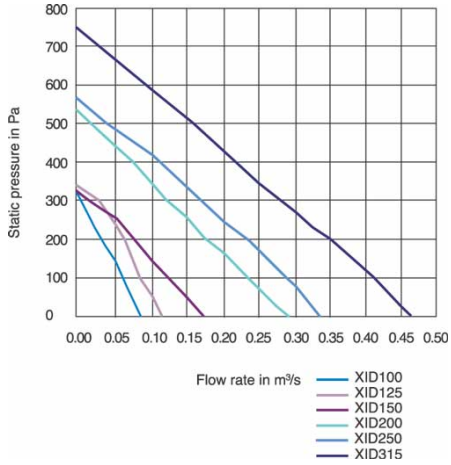
XID250 / 90208AA

XID315 / 90106AA • The fan housing shall be manufactured from zinc coated sheet steel • The duct connection spigot shall be 30mm deep minimum to facilitate secure connection of the ductwork • The fan shall be supplied complete with a universal mounting bracket • The unit shall be capable of mounting at any angle or in any plane • Motors shall be IP44 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings and inbuilt thermal protection. Insulation is to be rated to class F • Impellers are to be backward curved centrifugal and dynamically balanced to ISO 1940-1:1986 Grade G 6.3 • The capacitor shall be mounted out of the airstream and housed within the customer connection terminal box located on the fan body • The fans shall be suitable for use in ambient temperatures ranging from -30°C to +50°C • The fan shall be fully speed controllable using the XIC1 speed controller (available as an ancillary Ref. 21858AW)

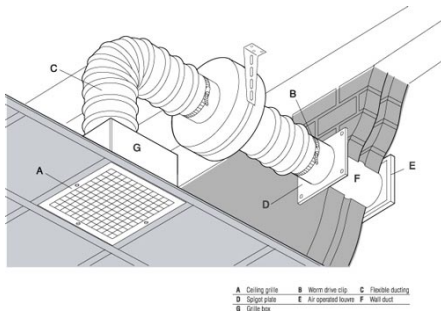
## Product variations

	XID315	XID250	XID200	XID150	XID125	XID100
Reference number	90106AA	90208AA	90104AA	90103AA	90102AA	90101AA
Spigot diameter (mm)	312	247	197	147	123	97
Extract performance (m <sup>3</sup> /s) - 0Pa	0.46	0.34	0.29	0.17	0.11	0.08
Extract performance (m <sup>3</sup> /s) - 100Pa	0.41	0.29	0.23	0.12	0.09	0.06
Extract performance (m <sup>3</sup> /s) - 200Pa	0.35	0.24	0.17	0.07	0.06	0.04
Extract performance (m <sup>3</sup> /s) - 300Pa	0.28	0.17	0.08	0.02	0.03	0.01
Extract performance (m <sup>3</sup> /s) - 400Pa	0.22	0.11	0.02	-	-	-
Extract performance (m <sup>3</sup> /s) - 500Pa	0.16	0.04	-	-	-	-
Extract performance (m <sup>3</sup> /s) - 600Pa	0.09	-	-	-	-	-
Extract performance (m <sup>3</sup> /s) - 700Pa	0.03	-	-	-	-	-
Sound pressure level (dB(A)@3m)	65	60	61	58	53	55
Max electrical power rating (W)	244	194	157	99	85	85
Weight (kg)	6.5	5.6	5	3.7	2.5	2.5
Guarantee (years, UK)	3	3	3	3	3	3

## XID100:

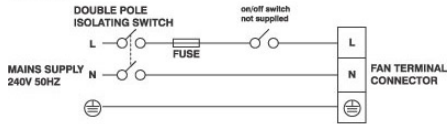


Performance:

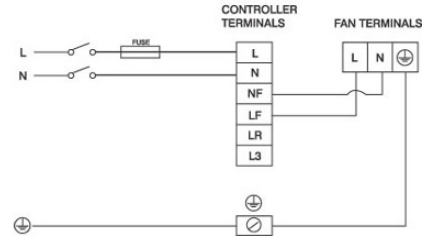


Installation:

## XID/XIDP

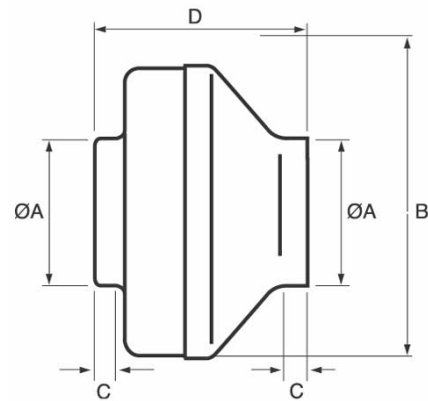


## XID/XIDP with XIC1 speed controller



Wiring:

## XID Range



Dimensions (mm)				
Model	A	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

Dimensions: