

# Axial extract fans for shower cubicle applications



## Approvals:



BEAB



CE



2yr Guarantee



3yr Guarantee



Remove the cause of condensation at source with an Xpelair inline shower fan system.

## Key features

**Type:** Inline single speed axial extract fans and systems

**Application:** Domestic bathrooms and shower rooms

**Control options:** Standard or timer

**Legislation:** Conforms to Building Regulations

**Hole size:** 115mm (XIL100/XXS100), 140mm (XIL125), 165mm (XIL150)

## The range

Step out of the shower cubicle. Is the mirror 'steamed over'?...there is another way.

Remove the cause of condensation at source with an Xpelair inline shower fan system.

With a neat grille installed directly over the shower, humid or moist air will be ducted away by a fan above the ceiling and onwards to a grille installed outside, typically in the soffit.

Will I be standing in a draught? No, air will not be pulled into a normal cubicle, only flow over it.

**XIL** fans are available in sizes of 100, 125 & 150mm and are only available as fan systems. The systems contain all the components necessary for a normal installation, comprising:

- inline fan
- 3m of flexible duct
- Four worm drive clips
- inline backdraught shutter (XIL100)
- Internal ceiling grille with sleek styling in white
- Outside soffit/wall grille

**XXS100** fans are available on their own.

All electronics circuits and wiring terminals are fully protected. Motors are Class B lubricated for life, fitted with safety thermal overload protection and suitable for ambient temperatures up to 40°C.

Xpelair **XIL** systems conform to Building Regulations mechanical ventilation for toilets shower rooms and bathrooms.

## Models

### XIL100

#### Ref. 90329AW:

- Single speed Inline showerfan system
- Operated by remote switch (in a bathroom whether by remote pullcord switch or wired to the lighting circuit)
- Can also be wired to a water flow switch fitted in the pipework to the shower control to switch On/Off when the shower is in use

### XIL100T

#### Ref. 90330AW:

- Single speed inline showerfan system
- Built-in overrun timer (adjustable at installation from 2-20mins)
- Operated by remote switch (in a bathroom wired to the lighting circuit)
- Can also be wired to a water flow switch, fitted in the pipework to the shower control, to switch On/Off when the shower is in use

### XIL125

#### Ref. 91242AW:

- Single speed inline showerfan system
- Operated by remote switch (in a bathroom either by a remote pullcord switch or wired to the lighting circuit)
- Can also be wired to a water flow switch fitted in the pipework to the shower control to switch On/Off when the shower is in use

### XIL125T

#### Ref. 91243AW:

- Single speed inline showerfan system
- Built-in overrun timer (adjustable at installation from 3-15mins)
- Operated by remote switch (in a bathroom wired to the lighting circuit)
- Can also be wired to a water flow switch, fitted in the pipework to the shower control, to switch On/Off when shower is in use

### XIL150

#### Ref. 91244AW:

- Single speed inline showerfan system
- Operated by remote switch (in a bathroom either by a remote pullcord switch or wired to the lighting circuit)
- Can also be wired to a water flow switch fitted in the pipework to the shower control to switch On/Off when the shower is in use

### XIL150T

#### Ref. 91245AW:

- Single speed inline showerfan system
- Built-in overrun timer (adjustable at installation from 3-15mins)
- Operated by remote switch (in a bathroom wired to the lighting circuit)
- Can also be wired to a water flow switch, fitted in the pipework to the shower control, to switch On/Off when shower is in use

### XXS100

**Ref. 90331AW:**

- Single speed inline fan
- Operated by remote switch

**XXS100T**

**Ref. 90332AW:**

- Single speed inline fan
- Integral timer operated by remote switch (adjustable from 2-20mins)

**Technical specification**

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

**Model / Ref**

XIL System:  
XIL100 / 90329AW  
XIL125 / 91242AW  
XIL150 / 91244AW

XIL T System with integral overrun timer:

XIL100T / 90330AW  
XIL125T / 91243AW  
XIL150T / 91245AW

XXS100 fan only / 90331AW  
XXS100T fan only / 90332AW

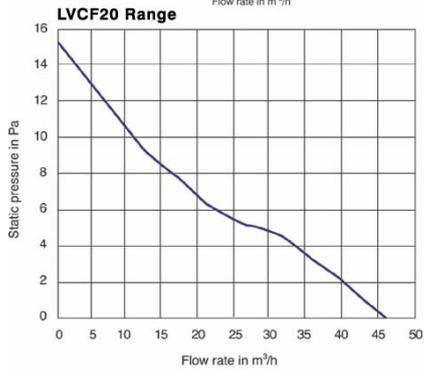
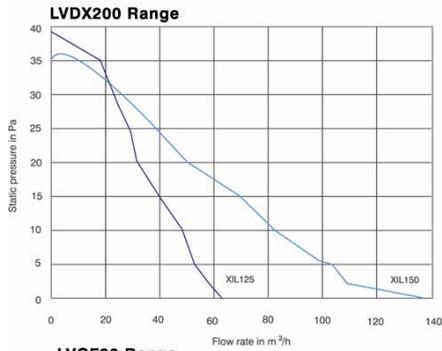
The system shall comprise:

- Inline fan
- 3m of 100mm dia. flexible duct
- Four fixing clips
- Inline backdraught shutter
- Internal ceiling grille in white
- Outside soffit/wall grille in brown
- T models shall include overrun timer function adjustable between 2 - 20mins (100 range) and 3 - 15mins (125/150 ranges)
- The fan housing and grilles shall be moulded in ABS. The internal and external grilles should have finger guard protection. The fan and air operated backdraught shutter shall be installed in the space above the ceiling at the highest point in the system
- The motor shall be lubricated for life with built in safety thermal overload protection
- The fan shall comply with Building Regulations for use in bathrooms and shower rooms when typically installed

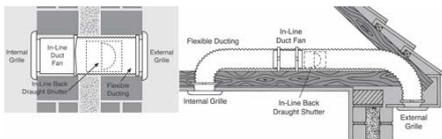
**Product variations**

	<b>XXS100T</b>	<b>XXS100</b>	<b>XIL150T</b>	<b>XIL150</b>	<b>XIL125T</b>	<b>XIL125</b>	<b>XIL100T</b>	<b>XIL100</b>
Reference number	90332AW	90331AW	91245AW	91244AW	91243AW	91242AW	90330AW	90329AW
Fan only	yes	yes	no	no	no	no	no	no
Fan system (installation pack)	no	no	yes	yes	yes	yes	yes	yes
Remote switch (not included)	yes	yes	yes	yes	yes	yes	yes	yes
Integral timer (adjustable)	yes	no	yes	no	yes	no	yes	no
Extract performance (m <sup>3</sup> /h*)	85	85	133	133	63	63	46	46
Extract performance (l/s*)	24	24	37	37	18	18	13	13
Sound pressure level (dBA)@3m)	33	33	45	45	43	43	30	30
Electrical power rating (W)	12	12	25	25	20	20	12	12
Weight (kg)	0.8	0.8	2.1	2.1	1.83	1.83	0.9	0.9
Duct diameter (mm)	100	100	150	150	125	125	100	100
Hole size (mm)	115	115	165	165	140	140	115	115
IP rating	IPX2	IPX2	IPX2	IPX2	IPX2	IPX2	IPX2	IPX2
Guarantee (years, UK)	2	2	2	2	2	2	3	3

## XIL100:



## Performance:

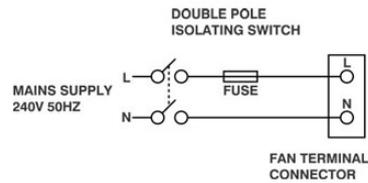


**Wall mounting**  
 Hole diameter  
 = 115/140/165mm  
 Ducting size  
 = 100/125/150mm

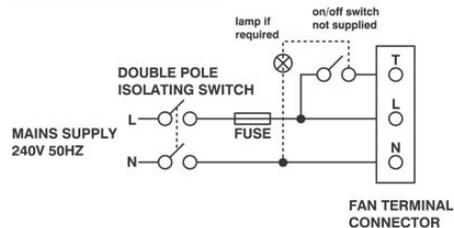
**Ceiling mounting with ducting**  
 Hole diameter  
 = 115/140/165mm  
 Ducting size  
 = 100/125/150mm

## Installation:

## XIL100/125/150/XXS100

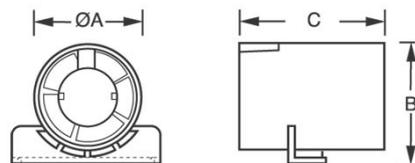


## XIL100T/125T/150T/XXS100T



Wiring:

## XIL Range



Model	Dimensions (mm)		
	ØA	B	C
XIL100/T	100	108	109
XIL125/T	118	118	96
XIL150/T	148	177	108
XXS100/T	100	108	109

Dimensions: All dimensions in mm