



**The new Xpelair
Avantgarde range**

Fresh air pure and simple



The new Xpelair 100mm Avantgarde Range

Bathrooms, Ensuities and WCs



Key Benefits

- Integral thermo electric shutter mechanism to protect against draught and unwanted heat loss
- New contemporary styling to continue the Xpelair 'family feel'
- Easy fit 'Quick Clamp' for a no hassle installation
- Five control models for ease of use
- Wall or ceiling mounting for ease of installation



The Range

Xpelair introduces the brand new Avantgarde range of 100mm thermo electric shutter fans. Complementing the existing family feel Xpelair range, these new units are finished to a clean white finish and are suitable for ceiling and wall mounting applications.

The low energy thermo electric shutter protects against external noise ingress, heat loss and draught, making it the perfect choice for refurbishments in both the private and social sector. Designed specifically for domestic bathrooms, ensuites and WC's, the unit includes easy fix 'quick clamps' to make installation a quick and easy process, reducing time spent on site.

This single speed unit comes complete with a range of control options to suit all applications. Humidistat models adjustable from 65-85% RH, timer options adjustable up to 30 minutes and PIR sensors for less populated areas are all available.

Select the right setting for your application

Product Selector	AV100	AV100P	AV100T	AV100HT	AV100PIR
Reference number	92691AW	92692AW	92693AW	92694AW	92695AW
Speeds	1	1	1	1	1
Extract Performance (FID, m³/h)	85	85	85	85	85
Extract Performance (FID, l/s)	23	23	23	23	23
Electrical Power (W)	15	15	15	15	15
SFP w/l/s	0.6	0.6	0.6	0.6	0.6
Speed Pressure db(A)@3m	32	32	32	32	32
Hole diameter (mm)	100	100	100	100	100
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.1	1.1	1.1	1.1	1.1
Guarantee (years)	3	3	3	3	3

Product Codes and Variants

AV100 Ref. 92691AW

- Single speed axial fan operated by remote switch sensor with internal thermo electric shutter mechanism

AV100P Ref. 92692AW

- Single speed axial fan with pull cord operation with internal thermo electric shutter mechanism

AV100T Ref. 92693AW

- Single speed axial fan complete with thermo electric shutter mechanism and timer- variable from 30sec- 30mins.

AV100HT Ref. 92694AW

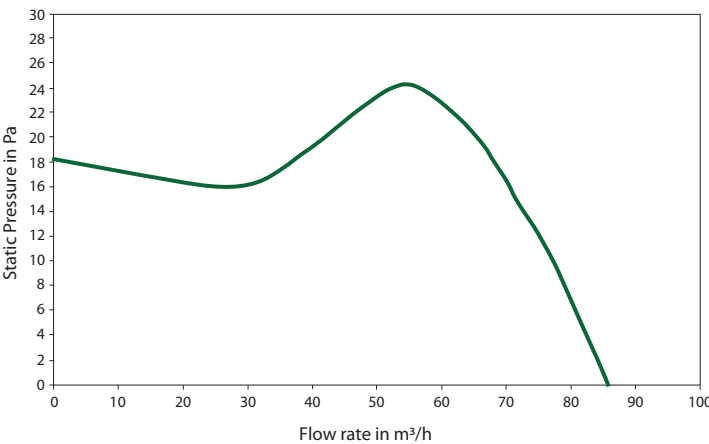
- Automatic on/off operation by an integral active humidistat sensor and pre-set override adjustable from 65-85% RH with pull cord override. Complete with the thermo electric shutter mechanism the unit also includes adjustable timer function variable from 30sec- 30mins.

AV100PIR Ref. 92695AW

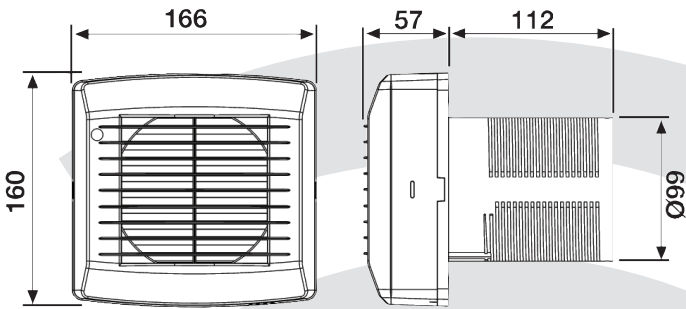
- Single speed axial fan with integral PIR control and internal thermo electric shutter mechanism.

Performance

Performance Curve for Avantgarde 100mm AC

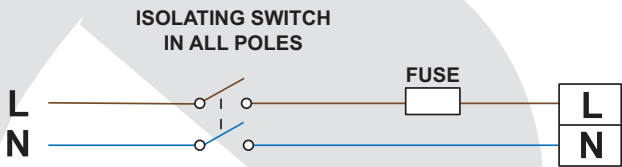


Dimensions

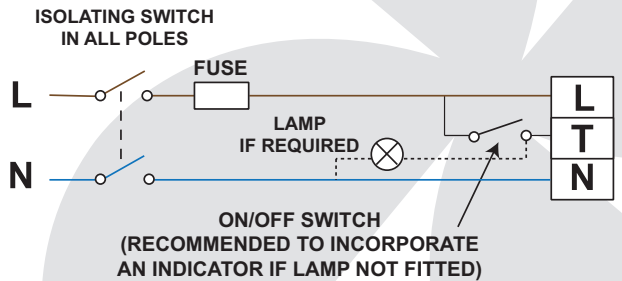


Wiring

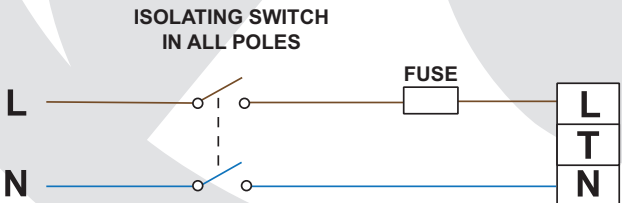
AV100 / AV100P



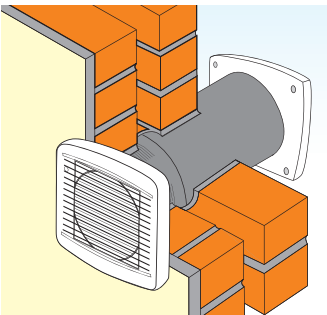
AV100T / AV100HT



AV100PIR



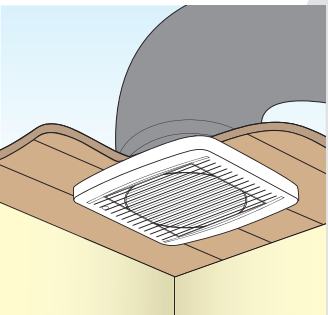
Installations



Wall Mounting using Wall Mounting Kit
Hole Diameter: 117mm
Ducting Size: 100mm

Wall Mounted Installation Accessories
Wall Kit

Ref: 91232AW



Ceiling Mounting
Hole Diameter: 100mm

Ceiling Mounted Installation Accessories
Flexible ducting FD100

Ref: 89910AA

The new Xpelair 150mm Avantgarde Range

Kitchen and Utility rooms



Key Benefits

- Integral thermo electric shutter mechanism to protect against draught and unwanted heat loss
- New contemporary styling to continue the Xpelair 'family feel'
- Easy fit 'Quick Clamp' for a hassle free installation
- Five control models for ease of use
- Building Regulation compliant for peace of mind

The Range

Xpelair welcome their new 150mm range of Avantgarde fans with thermo electric shutters to protect against external heat loss, dust and draught. Designed specifically for Kitchen and Utility rooms, the new range of Avantgarde fans complies with Building Regulations 2010 with an SFP of 0.5W/l/s, making it suitable for both new builds and major refurbishments in both the private and social sector.

With the range's easy fix 'quick clamps' it offers a simple installation solution and is suitable for wall and ceiling mounting. Finished with modern styling for a discrete finish, the Avantgarde single speed unit comes complete with a full range of control options for all applications.

Humidistat models adjustable from 65-85% RH, timer options adjustable up to 30 minutes, pull cord and PIR sensors for less populated areas are all available.



Select the right setting for your application

Product Selector	AV150	AV150P	AV150T	AV150HT	AV150PIR
Reference number	92711AW	92712AW	92713AW	92714AW	92715AW
Speeds	1	1	1	1	1
Extract Performance (FID, m³/h)	261	261	261	261	261
Extract Performance (FID, l/s)	72	72	72	72	72
Electrical Power (W)	38.6	38.6	38.6	38.6	38.6
SFP w/l/s	0.5	0.5	0.5	0.5	0.5
Speed Pressure db(A)@3m	41	41	41	41	41
Hole diameter (mm)	150	150	150	150	150
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.75	1.75	1.75	1.75	1.75
Guarantee (years)	3	3	3	3	3

Product Codes and Variants

AV150 Ref. 92711AW

- Single speed axial fan operated by remote switch sensor with internal thermo electric shutter mechanism

AV150P Ref. 92712AW

- Single speed axial fan with pull cord operation with internal thermo electric shutter mechanism

AV150T Ref. 92713AW

- Single speed axial fan complete with thermo electric shutter mechanism and timer- variable from 30sec- 30mins.

AV150HT Ref. 92714AW

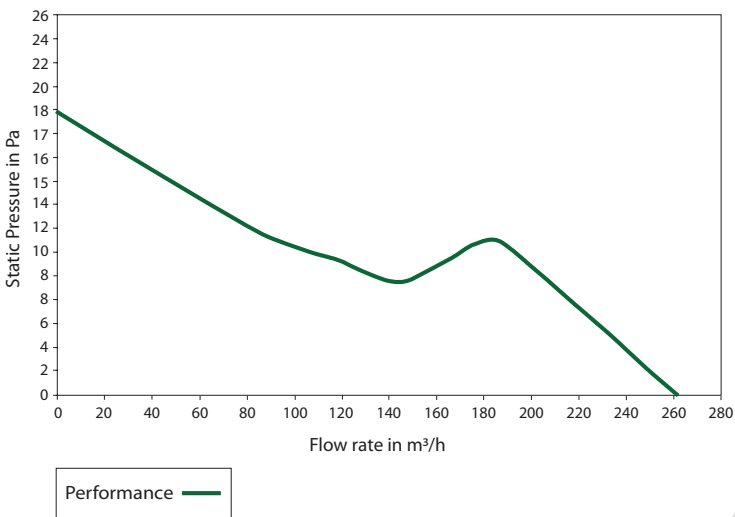
- Automatic on/off operation by an integral active humidistat sensor and pre-set override adjustable from 65-85% RH with pull cord override. Complete with the thermo electric shutter mechanism the unit also includes adjustable timer function variable from 30sec- 30mins.

AV150PIR Ref. 92715AW

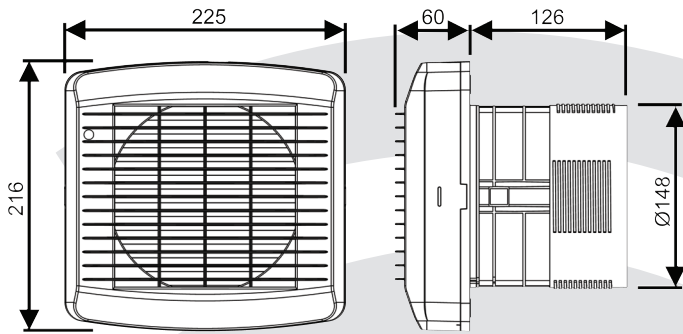
- Single speed axial fan with integral PIR control and internal thermo electric shutter mechanism.

Performance

Performance Curve for Avantgarde 150mm AC

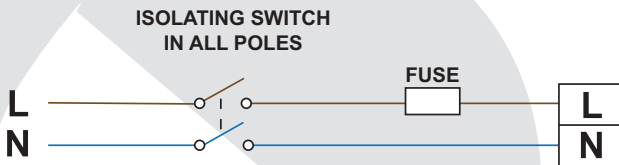


Dimensions

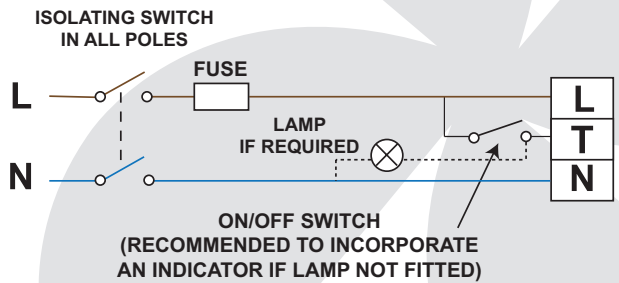


Wiring

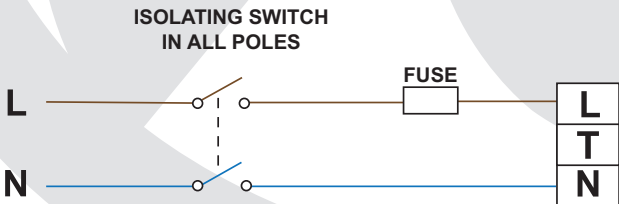
AV150 / AV150P



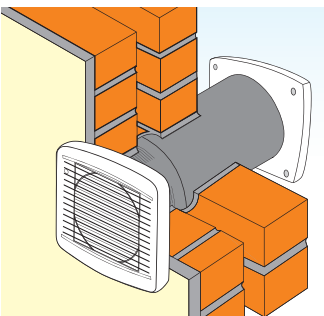
AV150T / AV150HT



AV150PIR



Installations



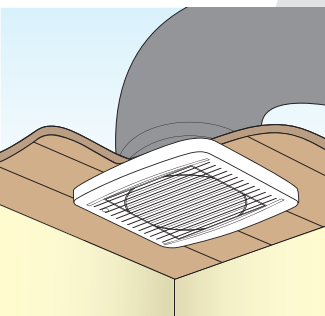
Wall Mounting using Wall Mounting Kit

Hole Diameter: 165mm
Ducting Size: 150mm

Wall Mounted Installation Accessories

Wall Kit

Ref: 91233AW



Ceiling Mounting

Hole Diameter: 150mm

Ceiling Mounted Installation Accessories

Flexible ducting FD150

Ref: 89671AA

The new Xpelair 100mm SELV Avantgarde Range

Domestic Bathrooms, Shower Rooms and WCs



Key Benefits

- Integral thermo electric shutter mechanism to protect against draught and unwanted heat loss
- New contemporary styling to continue the Xpelair 'family feel'
- Easy fit 'Quick Clamp' for a no hassle installation
- Five control models for ease of use
- SELV external transformer for complete safety

The Range

The Xpelair 100mm family has grown again with the brand new generation of SELV Avantgarde axial fans.

For peace of mind, Xpelair offer a 12V range of domestic bathroom and toilet fans complete with external transformer. The easy fix 'quick clamps' offers a simple installation, ideal for major refurbishments in social and private sectors. The LowVolt Avantgarde range has an integral thermo electric shutter to protect tenants and homeowners from unwanted draughts and heat loss from the property.

With five control models including humidistats adjustable from 65-85% RH, timer options adjustable up to 30 minutes, pull cord and PIR sensors for less populated areas, as well as its new contemporary styling, the new LowVolt Avantgarde range is ideal for all applications.



Select the right setting for your application

Product Selector	LVAV100	LVAV100P	LVAV100T	LVAV100HT	LVAV100PIR
Reference number	92696AW	92697AW	92698AW	92699AW	926700AW
Speeds	1	1	1	1	1
Extract Performance (FID, m³/h)	85	85	85	85	85
Extract Performance (FID, l/s)	23	23	23	23	23
Electrical Power (W)	16.1	16.1	16.1	16.1	16.1
SFP w/l/s	0.6	0.6	0.6	0.6	0.6
Speed Pressure db(A)@3m	32	32	32	32	32
Hole diameter (mm)	100	100	100	100	100
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4
Weight including transformer (kg)	2	2	2	2	2
Guarantee (years)	3	3	3	3	3

Product Codes and Variants

LVAV100 Ref: 92696AW

- SELV single speed axial fan with external transformer, operated by remote switch sensor with internal thermo electric shutter mechanism

LVAV100P Ref: 92697AW

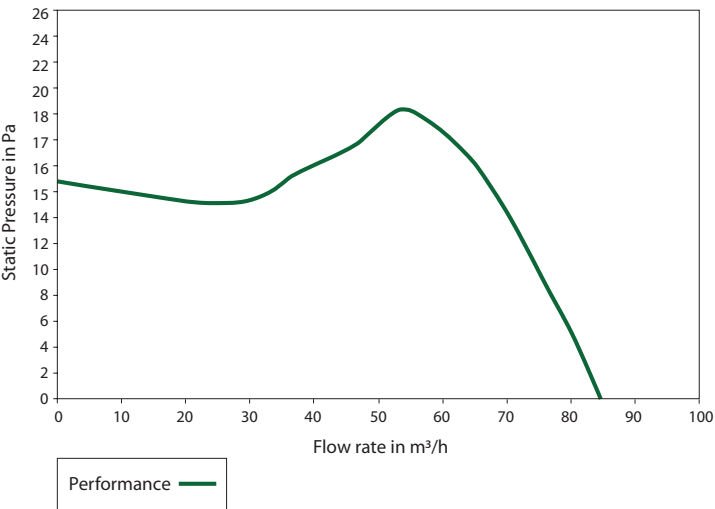
- SELV single speed axial fan with external transformer, pull cord operation and internal thermo electric shutter mechanism

LVAV100T Ref: 92698AW

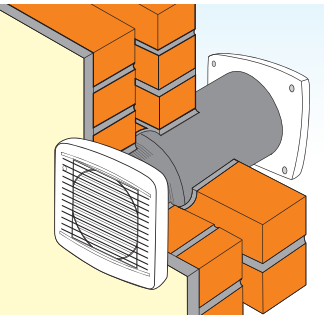
- SELV single speed axial fan with external transformer. Complete with thermo electric shutter mechanism and timer- variable from 30sec-30mins.

Performance

Performance curve for an Avantgarde 100 12V AC SELV



Installations



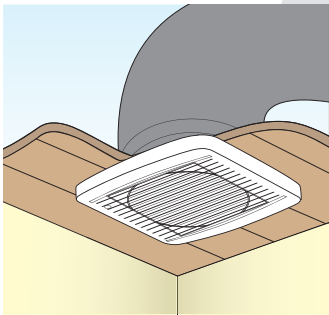
Wall Mounting using Wall Mounting Kit

Hole Diameter: 117mm
Ducting Size: 100mm

Wall Mounted Installation Accessories

Wall Kit

Ref: 91232AW



Ceiling Mounting

Hole Diameter: 100mm

Ceiling Mounted Installation Accessories

Flexible ducting FD100

Ref: 89910AA

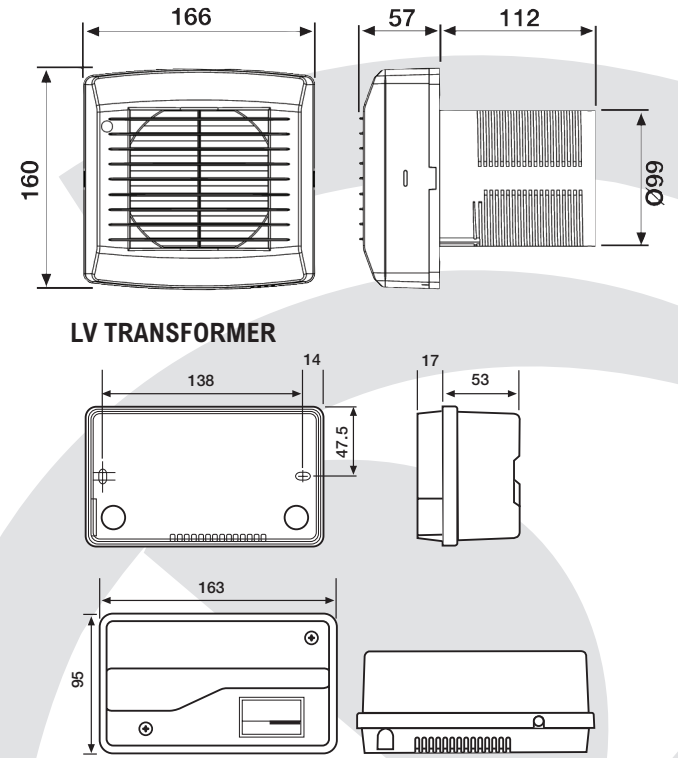
LVAV100HT Ref: 92699AW

- SELV single speed axial fan with external transformer. Automatic on/off operation by an integral active humidistat sensor and pre-set override adjustable from 65-85% RH with pull cord override. Complete with the thermo electric shutter mechanism the unit also includes adjustable timer function variable from 30sec- 30mins.

LV100PIR Ref: 926700AW

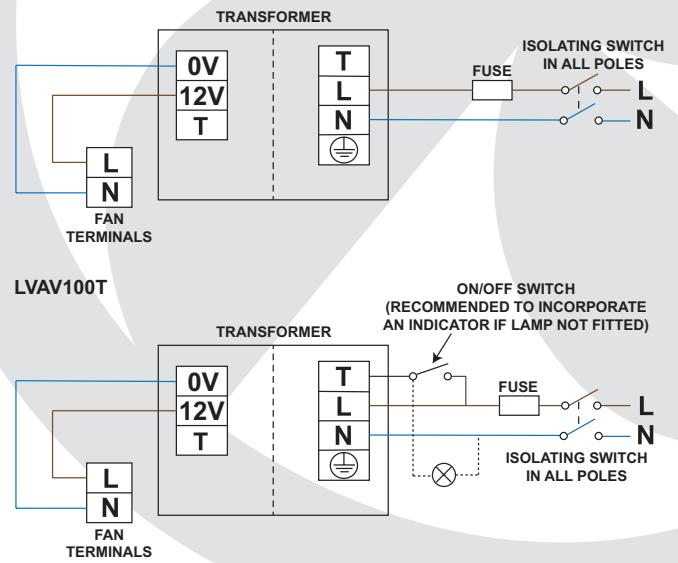
- SELV single speed axial fan with external transformer with integral PIR control and internal thermo electric shutter mechanism.

Dimensions



Wiring

LVAV100 / LVAV100P / LVAV100HT / LVAV100PIR





Newcombe House
Peterborough PE2 6SE
United Kingdom

Tel: +44 (0)844 372 7761
Fax: +44 (0)844 372 7762
Web: www.xpelair.co.uk