



Improving air quality for over 50 years
Ventilation Guide



www.xpelair.com



Welcome to Xpelair, part of Redring Xpelair Group Limited, an integrated design and manufacturing company specialising in the development, production and sales of showering, water heating and ventilation products nationally and internationally.

With over 55 years of ventilation expertise, Xpelair has earned an enviable reputation in world class domestic, commercial and industrial ventilation, leading the way with innovative technologies and style to ensure the air we breathe is clean, fresh and healthy.

Xpelair's extensive range of products is manufactured with quality at the forefront in a state of the art manufacturing facility in Peterborough. They are specified and distributed in over 50 countries and their proven performance, ease of installation and reliability has secured many international projects and firmly established their position as the specifier's choice.

Changes to Building Regulations in recent years has lead to an increased demand for low carbon, energy efficient ventilation solutions and Xpelair's Carbonlite ranges now include single room DC and EC long life, low energy use extract fans, Mechanical Extract Ventilation (MEV) and Mechanical Ventilation with Heat Recovery (MVHR) systems for applications in all market sectors.

To supplement this, we are delighted to announce that we have launched two new heat recovery solutions.

Solitaire is a single room heat recovery product that can be installed through an external wall via a 100mm opening, allowing it to directly replace an existing intermittent 100mm fan. The continuous running unit takes stale moist air from a dwelling and extracts it to atmosphere, simultaneously bringing clean air into the dwelling whilst recovering a large percentage of the heat that would otherwise be lost.

Stratum 120Q is a compact, lightweight whole house heat recovery system designed for ceiling or loft mounting. This model is SAP appendix Q approved and will complement the other products in the Stratum range.

Xpelair - the UK's best known ventilation brand*

*Online omnibus consumer brand awareness survey
conducted by COLERIDGE CONSULTING September 2013





Domestic Ventilation Solutions

DX100 100mm (4") axial extract fans (with fitting kit)	06
LoVolt LV100 SELV 100mm (4") axial extract fans (with fitting kit)	07
DX100B & LV100B 100mm (4") axial fan range	08
Slimline SLDC100 100mm (4") low profile axial extract fans	09
Avantgarde AV100 100mm (4") shuttered axial extract fans	10
Simply Silent Contour C4 100mm (4") near-silent axial extract fans	11
Slimline SL150 & SLDC150 100mm (6") low profile axial extract fans	12
Avantgarde AV150 150mm (6") shuttered axial extract fans	13
Premier DX200 & CF20 Centrifugal extract and condensation control fans	14
Premier LVDX200T & LVCF20 SELV LoVolt centrifugal extract fans	16
Premier DC2 & DC3 Long life, energy saving dMEV centrifugal fans	18
Premier DX400 & CF40 Centrifugal extract and condensation control fans	19
XIL & XXS Inline axial extract fan systems for shower cubicles	21
BriteX LoVolt & Turbo+ Inline shower fan and SELV light systems for shower cubicles	22
XIM Inline mixed flow extract fans for domestic ducted applications	24
GX6 & GXC6 150mm (6") AC axial extract fans	26
GX EC3 & GX EC3 RF 150mm (6") EC long life low energy axial fans	27
Nouvelle Cuisine Kitchen canopies	28



Commercial Ventilation Solutions

CX10 & CMF Commercial ceiling mounted fans	31
GX9 & GX12 Commercial AC window fans	32
GX9/12 EC3 & EC3 RF Commercial long life low energy axial fans	33
PX6, PX9 & PX12 Commercial ceiling fans	34
RX6, RX9 & RX12 Commercial roof fans	35
WX6, WX9 & WX12 Commercial wall fans with 'safe lock' metal telescopic wall liner	36
WX6, WX9 & WX12 Commercial wall fans with corrugated plastic wall liner	37



Systems Ventilation Solutions

Xplus 2 AC Multi-point domestic and commercial ventilation unit	39
Xplus 2 EC & EC RF Low energy multi-point domestic and commercial ventilation unit	40
Xcell 150QVW Mechanical ventilation with heat recovery	41
Xcell 200QVW Mechanical ventilation with heat recovery	42
Xcell 300QVI Mechanical ventilation with heat recovery and summer bypass	43
Xcell 400QVI Mechanical ventilation with heat recovery and summer bypass	44
Xcell Stratum S105QVI, S155QVI & S275QVI Compact, lightweight low profile horizontal heat recovery unit	45



Systems Ventilation Solutions Continued

Xcell Compact XR	46
Horizontal compact heat recovery units for smaller dwellings	
Xcell 200	47
Low profile hideaway heat recovery unit	
Xcell 600 / 600BP	48
Low profile heat recovery units for commercial applications	
Xcell 700 / 1200 / 1500 / 2000 EC HE	49
Horizontal low profile heat recovery units for commercial applications	
Xcell 700WP / 1200WP / 1500WP / 2000WP EC HE	50
Horizontal hooded heat recovery units for outdoor applications	
Muro XHRM	51
Through the wall single room / dMEV heat recovery ventilator	
Solitair SRHRV	52
Single room heat recovery unit	
LoVolt XHR150	53
Single room heat recovery ventilator	
EverDri XEDL	54
Long life Ultra DC positive pressure ventilation	



Heating and Cooling Ventilation Solutions

Digitemp WA & WHP	56
Comfort air conditioning and heating	
WH30, WH60 & WHP30	57
Commercial wall mounted fan heaters	
DCH3000A	58
Commercial wall heater	
Whispair	59
Commercial ceiling sweep fans	



Industrial Ventilation Solutions

Rapier XRA	61
Axial roof fans	
Rapier XPMA	62
Plate mounted axial fans	
Rapier XSCA	64
Short case axial fans	
XID	66
Centrifugal metal inline fans	
XIDP	67
Centrifugal plastic inline fans	
Xpress XPRS	68
Centrifugal metal inline fans	
HiFlo CMAX XSFA	69
Attenuated inline fans	
XSD	70
Single EC Box Fans	



Ancillaries

Sensors & Switches	72
Ducting & Accessories	76
Ventilation Accessories	79

Domestic Ventilation Solutions

Xpelair offers a wide range of domestic extract fans suitable for installation in bathrooms, shower cubicles, toilets, utility rooms and kitchens, to maintain high indoor air quality throughout homes. From the simple single speed 100mm (4") bathroom fan or popular 150mm (6") kitchen fan to multispeed pressure developing centrifugal fans, Xpelair can offer a ventilation solution for any installation requirement.

Xpelair fans are now available in both standard AC motor ranges and long life, low energy use DC or EC motor variants to meet latest the Building Regulation and best practice specification requirements. Many ranges offer a variety of control options including pull cord, timer, PIR and humidity sensor, with multiple speed settings to meet the recommended room air change performance requirements of each application.

Ideal for the residential sector, Xpelair fans are also suitable for a wide variety of applications in commercial settings.

DX100

100mm (4") axial extract fans complete with fitting kit



The Range

A comprehensive range of compact and easy to install single speed fans. Suitable for a wide range of applications including bathrooms, shower rooms and toilets, including zones 1 and 2.

All DX fans (except the CP clamp packed model) come complete with a universal fitting kit (wall tube, gasket x 2, outer grille and skirt moulding for window) suitable for wall, ceiling or window mounting in single glazing up to 6mm. All models are IPX5 rated (except DX100PIR) and BEAB approved.

Key Features

- Single speed 100mm (4") axial extract fans
- Seven model range with remotely switched, integral pullcord, timer, humidistat and integral PIR control options
- Maximum fan performance 21 l/s
- Lubricated for life motors with thermal cut-out protection
- Clip-off front cover for ease of cleaning
- IPX5 rated (except DX100PIR = IPX4)
- BEAB approved

Models

DX100* **Ref. 90839AW**
Single speed axial unit | Operated by a remote switch or sensor

DX100PC* **Ref. 90840AW**
Single speed axial unit with pullcord | Operated by integral pullcord

DX100T* **Ref. 90841AW**
Single speed axial unit with timer | Timer triggered by a remote switch | Adjustable timer (2-20 mins)

DX100HTA* **Ref. 92567AW**
Single speed axial unit with humidistat | Auto On/Off operation by integral humidity sensor, adjustable from 50-90% RH | Timer function adjustable (2-20 mins)

DX100HTAP* **Ref. 92568AW**
Single speed with humidistat and pullcord | Timer (2-20 mins) | Auto On/Off by integral humidity sensor, adjustable 50-90% RH | Pullcord on feature overrides the auto-humidity sensor function

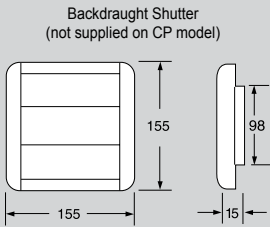
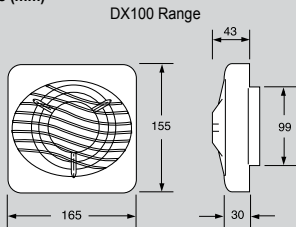
DX100PIR* **Ref. 90844AW**
Single speed axial unit with PIR detector | Auto On/Off operation | Integral passive infrared sensor

***Supplied complete with a universal mounting kit**

DX100T CP **Ref. 92458AW**
Single speed axial unit with timer | Adjustable timer (2-20 mins) | Fan only without universal mounting kit | Clamp packed in boxes of 20

Ancillaries **See pages 72-87**

Dimensions (mm)



Product Selector	DX100	DX100PC	DX100T	DX100HTA	DX100HTAP	DX100PIR	DX100T CP
Reference number	90839AW	90840AW	90841AW	92567AW	92568AW	90844AW	92458AW
Max. air flow (FID, m³/h)	76	76	76	76	76	76	76
Max. air flow (FID, l/s)	21	21	21	21	21	21	21
Sound pressure level (dB(A)@3m)	35	35	35	35	35	35	35
Electrical power rating (W)	12	12	12	12	12	12	12
IP rating	IPX5	IPX5	IPX5	IPX5	IPX5	IPX4	IPX5
Universal mounting kit	■	■	■	■	■	■	
Weight (kg)	1.2	1.2	1.2	1.2	1.2	1.2	1.2
UK Guarantee (years)	2	2	2	2	2	2	2

LoVolt LV100
100mm (4") SELV axial extract fans complete with fitting kit



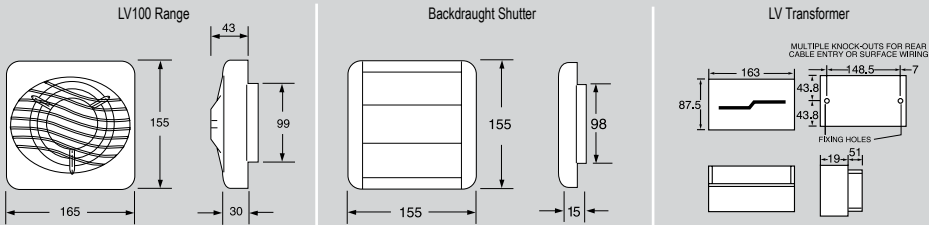
The Range

LV100 12V Safety Extra Low Voltage (SELV) fans offer complete peace of mind as they are specifically designed to be installed directly in or over the splash area zone 1 in complete safety. All models are supplied with a 12V SELV transformer which is sited out of reach of any person using the bath or shower. All models come complete with a universal fitting kit suitable for wall, ceiling or window mounting (in single glazing up to 6mm) applications. The kit includes an air operated backdraught shutter and control options include integral pullcord and timer. Humidistat and PIR options offer automatic control. The LV100 range conforms to Building Regulations' mechanical ventilation for toilets and bathrooms.

Key Features

- Single speed SELV 100mm (4") axial fans with remote transformer
- Six model range with remotely switched, integral pullcord, timer, humidistat or PIR control options
- Maximum fan performance 24 l/s
- Lubricated for life motors with thermal cut-out protection
- Clip-off front cover for ease of cleaning
- Fan units are IPX5 rated
- BEAB approved

Dimensions (mm)



Product Selector	LV100	LV100PC	LV100T	LV100HTA	LV100HTAP	LV100PIR
Reference number	90845AW	90846AW	90847AW	92569AW	92570AW	90867AW
Extract performance (FID, m³/h)	85	85	85	85	85	85
Extract performance (FID, l/s)	24	24	24	24	24	24
Sound pressure level (dB(A)@3m)	37	37	37	37	37	37
Electrical power rating (W)	13	13	13	13	13	13
IP rating	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
Weight (kg)	2.2	2.2	2.2	2.2	2.2	2.2
UK Guarantee (years)	2	2	2	2	2	2

Models

LV100 **Ref. 90845AW**
Operated by remote switch or sensor (in a bathroom normally a separate pullcord or lighting circuit)

LV100PC **Ref. 90846AW**
Operated by integral pullcord

LV100T **Ref. 90847AW**
Timer triggered by a remote switch, for example the lighting circuit | Timer variable from 2-20 mins

LV100HTA **Ref. 92569AW**
Automatic On/Off operation by integral humidity sensor. Adjustable from 50-90% RH | Adjustable timer function (2-20 mins)

LV100HTAP **Ref. 92570AW**
Automatic On/Off operation by integral humidity sensor | Built-in adjustable humidistat | Integrated overrun timer eliminates nuisance tripping | Timer variable from 30 sec-30 mins | Built-in backdraught shutter

LV100PIR **Ref. 90867AW**
Automatic On/Off operation | Integral passive infrared sensor | Adjustable timer function (2-20 mins)

Ancillaries See pages 72-87

DX100B & LV100B

100mm (4") axial fans



LV Models

The Range

DX100B range of 4" single speed axial fans with a linear styled fascia grille. Compact and simple to fit they are ideal for 100mm (4") axial fan replacement in both domestic and commercial applications.

Available in both standard AC and safety extra low voltage (SELV) ranges each with four control model options to suit a wide range of bathroom, shower room, utility and toilet installations.

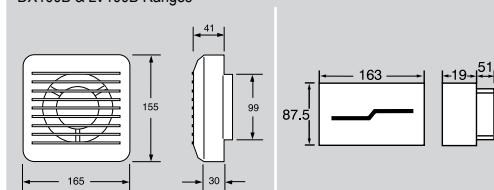
Key Features

- Single speed 100mm axial fan unit only without fitting kit
- Compact, easy to install - ideal retro-fit fan replacement
- Linear horizontal grille styling
- LV LoVolt models are supplied with (SELV) transformer unit
- Lubricated for life motor with thermal cut-out protection
- Clip-off front cover for ease of cleaning
- IPX5 rated and BEAB approved
- Wall and window mounting kits available separately

Dimensions (mm)

DX100B & LV100B Ranges

LV Transformer



Models

DX100B

Ref. 92612AW

Single speed axial unit | Operated by a remote switch or sensor

DX100BT

Ref. 92614AW

Single speed axial unit with timer | Timer triggered by a remote switch - usually the lighting circuit | Adjustable timer (2-20 mins)

DX100BHT

Ref. 92615AW

Single speed axial unit with humidistat | Auto On/Off operation by integral humidity sensor, adjustable from 50-90% RH | Timer function adjustable (2-20 mins)

DX100BHPT

Ref. 92642AW

Single speed axial unit with humidistat and pulccord | Timer function adjustable (2-20 mins) | Auto On/Off operation by integral humidity sensor, adjustable from 50-90% RH | Pulccord on feature overrides the auto-humidity sensor function

LV100B

Ref. 92616AW

Single speed SELV fan supplied with transformer operated by remote switch or sensor (in a bathroom normally a separate pulccord or lighting circuit)

LV100BT

Ref. 92618AW

Single speed SELV fan supplied with transformer timer triggered by a remote switch, for example the lighting circuit | Timer variable from 2-20 mins

LV100BHT

Ref. 92619AW

Single speed SELV fan supplied with transformer automatic On/Off operation by integral humidity sensor | Adjustable from 50-90% RH | Adjustable timer function (2-20 mins)

LV100BHPT

Ref. 92620AW

Single speed SELV fan supplied with transformer automatic On/Off operation by integral humidity sensor | Adjustable from 50-90% RH | Adjustable timer function (2-20 mins) | Pulccord on feature overrides the auto-humidity sensor function

Ancillaries

See pages 72-87

Product Selector	DX100B	DX100BT	DX100BHT	DX100BHPT	LV100B	LV100BT	LV100BHT	LV100BHPT
Reference number	92612AW	92614AW	92615AW	92642AW	92616AW	92618AW	92619AW	92620AW
Remote switch (supplied separately)	■	■			■	■		
Integral pulccord				■				■
Integral timer (adjustable 2-20 mins)		■	■			■	■	■
Active humidity sensor (65-85% RH)				■	■		■	■
Max. air flow (FID, m³/h)	76	76	76	76	85	85	85	85
Max. air flow (FID, l/s)	21	21	21	21	24	24	24	24
Sound pressure level (dB(A)@3m)	35	35	35	35	37	37	37	37
Electrical power rating (W)	12	12	12	12	12	13	13	13
IP rating	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
Remote LoVolt transformer included					■	■	■	■
Weight (kg)	0.6	0.6	0.6	0.6	1.6	1.6	1.6	1.6
UK Guarantee (years)	1	1	1	1	1	1	1	1

Slimline SLDC100

100mm (4") low profile DC axial extract fans



The Range

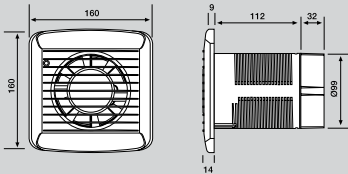
The Slimline SL100 fan is one of the lowest profile fans available. With a fascia projection of only 14mm, it is ideal for domestic bathrooms, shower rooms, toilets and other small rooms. Simple to install with quick clamp fixings. Available in three speed DC ranges with four control model options to suit a wide range of applications.

All Slimline fans are IPX4 rated to meet IEE Regulations for zone 1 and 2 bathrooms and shower rooms and meet the latest Building Regulation requirements.

Key Features

- Three speed long life DC motor ranges
- Models include remotely switched, timer, humidistat with timer and PIR control options
- Integral backdraught shutter
- Quick clamp fixing for ease of installation
- IPX4 rated

Dimensions (mm)



Models

SLDC100 **Ref. 92679AW**
Three speed axial fan | Operated by remote switch sensor | Long life DC motor | Built in backdraught shutter

SLDC100T **Ref. 92681AW**
Three speed axial fan with timer - variable from 30 sec-30 mins | Long life DC motor | Built in backdraught shutter

SLDC100HT **Ref. 92682AW**
Three speed operation by an integral active humidistat sensor | Pre-set override adjustable from 65-85% RH | Long life DC motor | Adjustable timer function variable from 30 sec-30 mins | Built in backdraught shutter

SLDC100PIR **Ref. 92683AW**
Three speed axial fan | Integral PIR control | Long life DC motor | Built in backdraught shutter

LVSLDC100HT **Ref. 92688AW**
Three speed operation by an integral active humidistat sensor and pre-set override adjustable from 65 - 85% RH | Adjustable timer function variable from 30 sec-30 mins | Built in backdraught shutter

Ancillaries

See pages 72-87

Product Selector		SLDC100	SLDC100T	SLDC100HT	SLDC100PIR	LVSLDC100HT
Reference number		92679AW	92681AW	92682AW	92683AW	92688AW
Speeds		3	3	3	3	3
Trickle ventilation facility		■	■	■	■	
Electrical power rating (W)		3.6 , 3.6 , 4.2	3.6 , 3.6 , 4.2	3.6 , 3.6 , 4.2	3.6 , 3.6 , 4.2	11
IP rating		IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)		0.65	0.65	0.65	0.65	0.95
UK Guarantee (years)		5 *	5 *	5 *	5 *	2
Extract performance (FID, m³/h)	Speed 1	26	26	26	26	26
	Speed 2	29	29	29	29	29
	Speed 3	65	65	65	65	65
Suitable for installations at (l/s)		6 , 8 , 15	6 , 8 , 15	6 , 8 , 15	6 , 8 , 15	6 , 8 , 15
Sound pressure level (dB(A)@3m)		28 , 30 , 33	28 , 30 , 33	28 , 30 , 33	28 , 30 , 33	28 , 30 , 33

* 5 years on motor - 2 years on other parts

Avantgarde AV100
100mm (4") shuttered axial extract fans

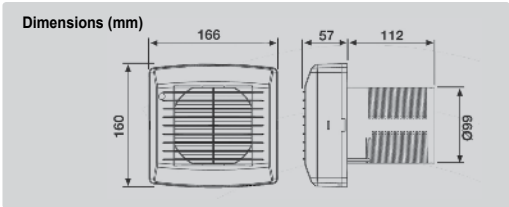


The Range

Avantgarde 100mm axial fans feature an integral low energy thermo electric shutter to protect against external noise ingress, heat loss and draughts, making them the perfect choice for refurbishments in both the private and social sector. Designed specifically for domestic bathrooms, en suites and WCs, they also incorporate easy fix quick clamps for a simple and speedy installation, reducing time spent on site.

Key Features

- Integral thermo electric shutter mechanism to protect against draughts and heat loss
- Easy fit quick clamp for rapid installation
- Five control model options for all applications
- Suitable for wall or ceiling mounting installation



Models

AV100 **Ref. 92691AW**
Single speed axial fan | Operated by a remote switch or sensor, usually a lighting circuit | Built in backdraught shutter

AV100P **Ref. 92692AW**
Single speed axial fan with pullcord | Operated by integral On/Off pullcord switch | Built in backdraught shutter

AV100T **Ref. 92693AW**
Single speed axial fan with timer | Timer triggered by remote switch | Timer variable from 30 sec-30 mins | Built in backdraught shutter

AV100HT **Ref. 92694AW**
Single speed axial fan with humidistat and overrun timer | Built-in adjustable humidistat | Integrated overrun timer eliminates nuisance tripping | Timer variable from 30 sec-30 mins | Built in backdraught shutter

AV100PIR **Ref. 92695AW**
Single speed axial fan with pullcord | Integral PIR Control | Built in backdraught shutter



Slimline Wall Kit SLWK **Ref. 91232AW**
Optional wall kit consists of wall duct and external grille | Adjustable length 215-380mm | Wall hole size SL100 117mm

Ancillaries **See pages 72-87**

Product Selector	AV100	AV100P	AV100T	AV100HT	AV100PIR
Reference number	92691AW	92692AW	92693AW	92694AW	92695AW
Speeds	1	1	1	1	1
Electrical power rating (W)	15	15	15	15	15
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.1	1.1	1.1	1.1	1.1
UK Guarantee (years)	2	2	2	2	2
Extract performance (FID, m³/h)	85	85	85	85	85
Extract performance (FID, l/s)	23	23	23	23	23
Sound pressure level (dB(A)@3m)	32	32	32	32	32

Simply Silent Contour C4

100mm (4") near-silent axial extract fans



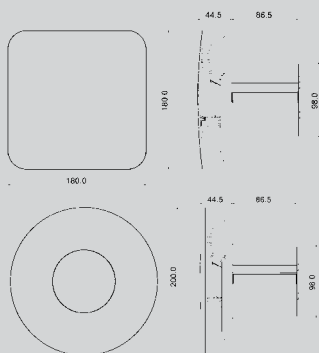
Key Features

- Near-silent running minimises disturbance
- So Simple installation enables a quick and hassle-free installation
- Suitable for wall, ceiling, panel and window fitting
- Complies with building regulations Part F and L
- Sleek and subtle design, with interchangeable fascia options, available in square and round
- IPX 4 rated for safe installation in bathrooms

The Range

The Simply Silent Contour range effectively eliminates humidity, condensation and odour to improve air quality in bathrooms, shower rooms, cloakrooms and toilets. They use advanced Ghost™ Air Movement Technology to deliver near-silent running. Plus, they're stylish, simple to install and maintain, and come with a two-year warranty.

Dimensions (mm)



Ancillaries

SSSB Replacement Simply Silent™ Square Baffle	Ref. 92957AW
SSRB Replacement Simply Silent™ Round Baffle	Ref. 92958AW
SSWKWR Simply Silent™ Wall Kit Round/White	Ref. 92991AW

Models

C4S Square intermittent bathroom fan	Ref. 92960AW
C4TS Square intermittent bathroom fan with timer	Ref. 92962AW
C4PS Square intermittent bathroom fan with pull cord	Ref. 92964AW
C4HTS Square intermittent bathroom fan with humidistat and timer	Ref. 92966AW
C4R Round intermittent bathroom fan	Ref. 92961AW
C4TR Round intermittent bathroom fan with timer	Ref. 92963AW
C4PR Round intermittent bathroom fan with pullcord	Ref. 92965AW
C4HTR Round intermittent bathroom fan with humidistat and timer	Ref. 92967AW

SSWKWS Simply Silent™ Wall Kit Square/White	Ref. 92992AW
SSWKBR Simply Silent™ Wall Kit Round/Brown	Ref. 92993AB
SSWKBS Simply Silent™ Wall Kit Square/Brown	Ref. 92994AB
SSWIN Simply Silent™ Window Kit	Ref. 92996AA

Product Selector	C4	C4T	C4P	C4HT
Speeds	2	2	2	2
Electrical power rating (W)	6.7/7.7	6.7/7.7	6.7/7.7	6.7/7.7
Extract performance (l/s)	15/21	15/21	15/21	15/21
Specific fan power (SFP) (W/l/s)	0.45/0.37	0.45/0.37	0.45/0.37	0.45/0.37
Sound pressure level (dB(A)@3m)	16/29	16/29	16/29	16/29
IPX rating	4	4	4	4

COMING SOON - Simply Silent™ CV Constant Volume Fan Range

For the effective control of humidity, odours and mould growth in bathrooms, shower rooms, cloakrooms, toilets and kitchens

Slimline SL150 & SLDC150

150mm (6") low profile axial extract fans

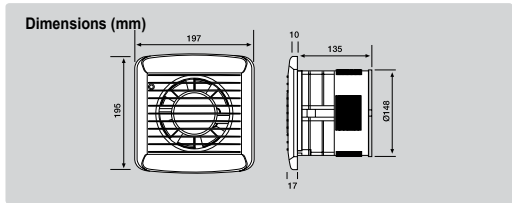


The Range

The Slimline SL150 6" axial fan range has a fan fascia projection of only 17mm and is ideal for refurbishments and minor works in kitchens and utility rooms. Slimline fans are fitted with an internal air operated backdraught shutter and extract directly to the outside atmosphere or through a short duct run. Available in both AC and long life DC motor ranges each with a choice of control options, including a humidistat model adjustable from 65-85% RH, timer options adjustable up to 30 minutes and PIR sensors for less populated areas.

Key Features

- Available in single speed AC and five speed DC models
- Models include remotely switched, integral pullcord, timer, humidistat, humidistat with timer and PIR control
- Maximum fan performance SL150 (68 l/s) SLDC150 (60 l/s)
- Integral backdraught shutter
- Quick clamp fixing for ease of installation
- IPX4 rated



Product Selector	SL150	SL150P	SL150T	SL150HT	SL150PIR	SLDC150	SLDC150T	SLDC150HT	SLDC150PIR
Reference number	92664AW	92665AW	92666AW	92667AW	92668AW	92669AW	92671AW	92672AW	92673AW
Speeds	1	1	1	1	1	5	5	5	5
Electrical power rating (W)	34	34	34	34	34	2.4 to 13.5	2.4 to 13.5	2.4 to 13.5	2.4 to 13.5
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.20	1.20	1.20	1.20	1.20	0.9	0.9	0.9	0.9
UK Guarantee (years)	2	2	2	2	2	5 *	5 *	5 *	5 *
Extract performance (FID, m³/h)	Speed 1	245	245	245	245	33	33	33	33
	Speed 2					50	50	50	50
	Speed 3					58	58	58	58
	Speed 4					121	121	121	121
	Speed 5					224	224	224	224
Extract performance (FID, l/s)	68	68	68	68	68				
Suitable for installations at (l/s)						8 to 60	8 to 60	8 to 60	8 to 60
Sound pressure level (dB(A)@3m)	42	42	42	42	42	13 to 44	13 to 44	13 to 44	13 to 44

Models

SL150 **Ref. 92664AW**
Single speed axial fan | Operated by a remote switch or sensor, usually a lighting circuit | Built in backdraught shutter

SL150P **Ref. 92665AW**
Single speed axial fan with pullcord | Operated by integral On/Off pullcord switch | Built in backdraught shutter

SL150T **Ref. 92666AW**
Single speed axial fan with timer | Timer triggered by remote switch | Timer variable from 30 sec-30 mins | Built in backdraught shutter

SL150HT **Ref. 92667AW**
Single speed axial fan with humidistat and overrun timer | Built-in adjustable humidistat | Integrated overrun timer eliminates nuisance tripping | Timer variable from 30 sec-30 mins | Built in backdraught shutter

SL150PIR **Ref. 92668AW**
Single speed axial fan with pullcord | Integral PIR control | Built in backdraught shutter

SLDC150 **Ref. 92669AW**
Five speed DC axial fan | Operated by a remote switch or sensor | Built in backdraught shutter

SLDC150T **Ref. 92671AW**
Five speed DC axial fan with timer | Timer variable from 30 sec-30 mins | Built in backdraught shutter

SLDC150HT **Ref. 92672AW**
Five speed DC axial fan with humidistat and overrun timer | Integrated overrun timer eliminates nuisance tripping | Timer variable from 30 sec-30 mins | Built in backdraught shutter

SLDC150PIR **Ref. 92673AW**
Five speed DC axial fan with pullcord | Integral PIR control | Built in backdraught shutter

Ancillaries **See pages 72-87**

Avantgarde AV150

150mm (6") shuttered axial extract fans



The Range

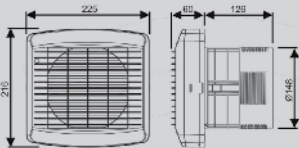
Avantgarde 150mm range of single speed axial fans feature thermo electric shutters to protect against external heat loss, dust and draught. Designed specifically for kitchen and utility rooms, Avantgarde fans comply with current Building Regulations with an SFP of 0.5W/l/s, making them suitable for both new builds and major refurbishments in both the private and social sector.

Avantgarde fans feature easy fix quick clamps to offer a simple installation solution and are suitable for wall and ceiling mounting.

Key Features

- Integral thermo electric shutter mechanism to protect against draughts and heat loss
- Easy fit quick clamp for rapid installation
- Five control model options for all applications
- Complies with Building Regulations

Dimensions (mm)



Models

AV150 **Ref. 92711AW**
Single speed axial fan | Operated by a remote switch or sensor, usually a lighting circuit | Built in backdraught shutter

AV150P **Ref. 92712AW**
Single speed axial fan with pullcord | Operated by integral On/Off pullcord switch | Built in backdraught shutter

AV150T **Ref. 92713AW**
Single speed axial fan with timer | Timer triggered by remote switch | Timer variable from 30 sec-30 mins | Built in backdraught shutter

AV150HT **Ref. 92714AW**
Single speed axial fan with humidistat and overrun timer | Built-in adjustable humidistat | Integrated overrun timer eliminates nuisance tripping | Timer variable from 30 sec-30 mins | Built in backdraught shutter

Ancillaries

See pages 72-87

Product Selector	AV150	AV150P	AV150T	AV150HT
Reference number	92711AW	92712AW	92713AW	92714AW
Speeds	1	1	1	1
Electrical power rating (W)	38.6	38.6	38.6	38.6
IP rating	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.75	1.75	1.75	1.75
UK Guarantee (years)	2	2	2	2
Extract performance (FID, m³/h)	261	261	261	261
Extract performance (FID, l/s)	72	72	72	72
Sound pressure level (dB(A)@3m)	41	41	41	41

Premier DX200 & CF20

Centrifugal extract and condensation control fans



DX200



CF20

The Range

Premier range of centrifugal fans is designed specifically for domestic applications including bathrooms, shower rooms, toilets and utility rooms where longer duct runs are required.

All models have a gloss white casing with a clean and sleek appearance. A two part casing means Premier fans can be recess or surface mounted. All models feature an automatic air operated backdraught shutter.

The clip-off front cover and removable fan blade on all models allow easy cleaning and maintenance. All models also have a neon indicator.

DX200 and CF20 models are IPX5 rated and BEAB approved. They are all suitable for 220-240V AC 50Hz mains operation. Motors are totally enclosed and maintenance free for life, with self aligning bearings and a thermal cut-out. All electronics and wiring terminals are fully protected.

Key Features

- Available in DX extract or CF humidity control models
- Room size performance speed selector, boost and trickle ventilation settings on selected models
- Adjustable humidistat on condensation control models
- Quick visit delay feature on multi-speed timer models
- Automatic air operated backdraught shutter fitted
- Can be surface or recess mounted
- Totally enclosed maintenance free for life motors
- Clip-off front cover and fan blade for ease of cleaning and maintenance
- IPX5 rated
- BEAB approved

Product Selector		DX200	DX200T	CF20	CF20T
Reference number		91013AW	91014AW	91015AW	91016AW
Speeds		2	4	5	5
Trickle ventilation facility			■	■	■
Max. electrical power rating (W)		34	34	34	34
IP rating		IPX5	IPX5	IPX5	IPX5
Weight (kg)		2.2	2.2	2.2	2.2
UK Guarantee (years)		2	2	2	2
Extract performance (FID, m³/h)	boost	-	-	108	108
	speed 3	-	108	102	102
	speed 2	108	79	79	79
	speed 1	50	50	50	50
	trickle	-	36	36	36
Extract performance (FID, l/s)	boost	-	-	30	30
	speed 3	-	30	28	28
	speed 2	30	22	22	22
	speed 1	14	14	14	14
	trickle	-	10	10	10
Sound pressure (dB(A)@3m)	boost	-	-	50	50
	speed 3	-	50	48	48
	speed 2	50	42	42	42
	speed 1	32	32	32	32
	trickle	-	26	26	26

Models

Premier DX200

Ref. 91013AW

High performance centrifugal unit | Choice of 2 set speeds

Premier DX200T

Ref. 91014AW

High performance centrifugal unit with timer | Room size selector matches extract performance for improved efficiency | Quick visit delay feature prevents fan from running should light be switched On/Off again within 2 mins | Mechanical trickle ventilation facility | Built-in run-on period after light switched off | User adjustable from 30 sec-20 mins

Premier CF20

Ref. 91015AW

High performance condensation control centrifugal unit | Step-speed, user adjustable humidistat | Room size selector matches extract performance for improved efficiency | Tricklevent and pullcord manual override | Includes external wall grille

Premier CF20T

Ref. 91016AW

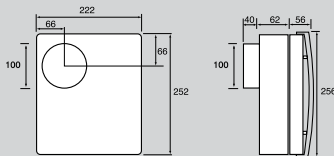
All the features of CF20 plus: Auto run-on after light switched off | Quick visit delay feature prevents fan from running should light be switched On/Off again within 2 mins

Ancillaries

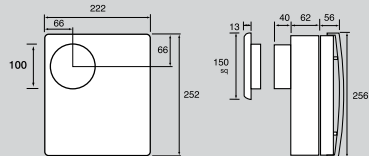
See pages 72-87

Dimensions (mm)

Premier DX200 Range



Premier CF20 Range



Premier LVDX200T & LVCF20

Safety Extra Low Voltage centrifugal extract and condensation control fans



LVDX200T



LVCF20



The Range

The Safety Extra Low Voltage (SELV) versions of the Premier DX200 and CF20 pressure developing centrifugal fans are ideal for use in shower rooms, bathrooms with showers and other zone 1 and zone 2 wet areas. The SELV system consists of a 12V fan unit which can be safely installed in the spray area of a bath or shower, with the transformer located outside the spray area.

All three models are supplied with LV transformer and CF models also include an external wall grille.

Premier SELV fans have the same clean and sleek styling as the rest of the Premier range, with a white gloss body and fascia. They are designed for easy installation in walls, ceilings, windows or ducted installation at any angle.

Key Features

- Choice of two speed or multi-speed (including trickle and boost)
- Room size performance speed selector settings on LVCF models
- Adjustable humidistat on condensation control models (50% - 90%)
- Adjustable run-on timer (30 sec - 20 mins)
- Quick visit delay feature on timer models (2 mins)
- Automatic air operated backdraught shutter fitted
- Can be surface or recess mounted
- Totally enclosed maintenance free for life motors
- Clip-off front cover and removable fan blade for ease of cleaning and maintenance
- IPX5 rated
- BEAB approved

Product Selector		LVDX200T	LVCF20	LVCF20T
Reference number		91040AW	91041AW	91042AW
Speeds		2	5	5
Trickle ventilation facility			■	■
Max. electrical power rating (W)		42	42	42
IP rating		IPX5	IPX5	IPX5
Weight (kg)		3.35	3.35	3.35
UK Guarantee (years)		2	2	2
Extract performance (FID, m³/h)	boost	-	108	108
	speed 3	-	102	102
	speed 2	108	79	79
	speed 1	45	50	50
	trickle	-	36	36
Extract performance (FID, l/s)	boost	-	30	30
	speed 3	-	28	28
	speed 2	30	22	22
	speed 1	12.5	14	14
	trickle	-	10	10
Sound pressure (dB(A)@3m)	boost	-	50	50
	speed 3	-	48	48
	speed 2	50	42	42
	speed 1	30	32	32
	trickle	-	26	26

Models

Premier LVDX200T

Ref. 91040AW

High performance centrifugal unit with timer | Stylish 2 piece fascia | Operated by remote switch eg. lighting circuit | Delay feature prevents fan from running should light be switched On/Off again within 2 mins | User adjustable run-on period after light switched off (30 sec-20 mins) | Neon indicator

Premier LVCF20

Ref. 91041AW

High performance condensation control centrifugal unit | Integral condensation controller | Stylish 2 piece fascia | User adjustable humidistat (50-90% RH) | Room size selector matches extract performance for improved efficiency | Trickle ventilation facility | Automatic or pullcord manual override | Includes external wall grille | Neon indicator

Premier LVCF20T

Ref. 91042AW

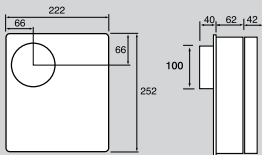
High performance condensation control centrifugal unit with timer (30 sec-20 mins) | Integral condensation controller | Stylish 2 piece fascia | User adjustable humidistat (50-90% RH) | Room size selector matches extract performance for improved efficiency | Operated by remote switch eg. lighting circuit | Trickle ventilation facility | Automatic or pullcord manual override | Neon indicator | Includes external wall grille

Ancillaries

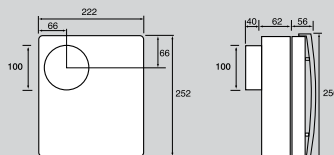
See pages 72-87

Dimensions (mm)

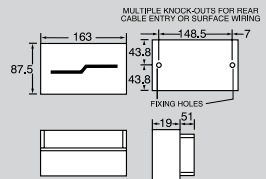
LVDX200T



LVCF20 Range



LV Transformer



Premier DC2 & DC3
Long life, energy saving dMEV centrifugal fans



Key Features

- Extra long life, low energy use Ultra DC motors
- Surface or recessed mounting, wall or ceiling
- Ideal for both through the wall or ducted applications
- Intermittent operation selectable
- Meets latest Building Regulations for continuous and intermittent use, Part L compliant
- Clip off front cover and removable impeller for ease of cleaning and simple maintenance
- IPX5 rated
- BEAB approved

The Range

Premier Ultra DC fans offer substantial energy savings over equivalent AC motor extract fans. Utilising long life, low energy use DC motor technology, they give lower whole life cost and help reduce carbon impact on the environment. Both Premier DC2 and DC3 fans are multi-speed and have active response humidity control. Premier DC2 model is supplied complete with an external SELV transformer that is mounted 'out of zone'.

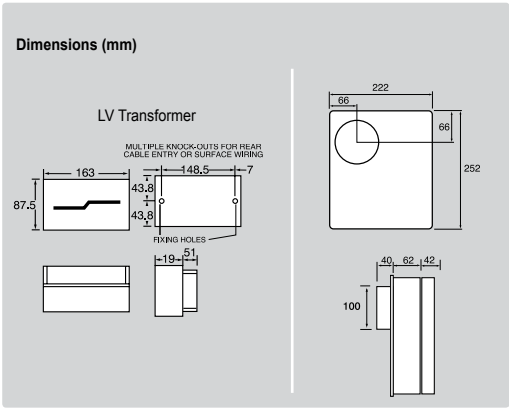
The Premier DC3 model has an integral power supply and so does not require connection to an external SELV transformer. Both models are IPX5 rated. The constant trickle feature of Premier DC units, when installed in every wet area of a property, achieves whole house system classification for compliance to current Building Regulations for either intermittent or continuous extract.

Models

LVCF20T DC2 Ref. 92335AW
Ultra DC motor fan with SELV remote transformer | Active response humidity control model | Selectable installed speeds* | Constant trickle and boost options | Adjustable overrun timer with quick visit delay feature

CF20T DC3 Ref. 92576AW
UltraDC motor fan with integral supply | Active response humidity control model | Selectable installed speeds* | Constant trickle and boost options | Adjustable overrun timer with quick visit delay feature

*Selectable installed speeds to satisfy Part F1 requirements (table 1.1a) | Intermittent bathroom 15l/s | Intermittent sanitary accommodation 8l/s | Continuous extract kitchen 15l/s | Continuous extract bathroom 8l/s | Continuous extract sanitary accommodation 6l/s



Ancillaries See pages 72-87

Product Selector	LVCF20T DC2	CF20T DC3
Reference number	92335AW	92576AW
Humidistat	■	■
Selectable installed performances Installed with WD* 00+CFWG100 kit	6l/s 8l/s 15l/s	6l/s 8l/s 15l/s
Sound pressure level (dB(A)@3m)	- - 32	- - 32
Electrical power rating (W) 220-240V AC 50-60Hz	2.7 3.1 5.6	2.7 3.1 5.6
Specific fan power (maximum W/l/s)	0.37	0.37
IP rating	IPX5	IPX5
Weight (kg)	1.8	1.8
Transformer on LV model	■	
UK Guarantee (years)	5 *	5 *

* 5 years on motor - 2 years on other parts

Premier DX400 & CF40

Centrifugal extract and condensation control fans



DX400T



CF40

The Range

The DX400 and CF40 larger Premier pressure developing centrifugal fans are ideally suited for use in kitchens, utility rooms, larger bathrooms and toilets and individual offices.

They can be surface or recessed in walls and ceilings using the universal mounting accessories provided, which includes a backdraught shutter and outlet grille. Models with an integral humidistat offer automatic control. CF40TD features a delay start quick visit facility preventing the fan from coming on should the light be switched on and then off within 2 mins.

All models are IPX5 rated and BEAB approved. They are all suitable for 220-240V 50Hz mains operation and feature external rotor motors with integral balanced impellers, sealed for life maintenance free bearings and safety thermal cut-out protection.

Key Features

- DX400 extract and CF40 condensation control centrifugal fans
- Room size performance speed selector, with boost and trickle ventilation settings on selected models
- Adjustable humidistat on CF models (50% - 90%)
- Adjustable run-on timer (30 sec - 20 mins)
- Quick visit delay feature on multi-speed timer models (2 mins)
- Automatic air operated backdraught shutter fitted
- Can be surface or recess mounted
- Totally enclosed maintenance free for life motors
- Clip-off front cover and fan blade for ease of cleaning and maintenance
- IPX5 rated
- BEAB approved

Product Selector		DX400	DX400T	DX400PC	CF40	CF40TD	CF40RSTD
Reference number		91083AW	91084AW	91100AW	91086AW	91087AW	91088AW
Speeds		2	3	3	5	5	5
Trickle ventilation facility			■	■	■	■	■
Electrical power rating (W)		78	78	78	77	77	77
Hole Diameter		115	115	115	115	115	115
IP rating		IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
Weight (kg)		3	3	3	3	3	3
UK Guarantee (years)		2	2	2	2	2	2
Extract performance (FID, m³/h)	boost	-	-	-	250	250	250
	speed 3	-	-	-	174	174	174
	speed 2	245	245	245	143	143	143
	speed 1	143	143	143	90	90	90
	trickle	-	61	61	61	61	61
Extract performance (FID, l/s)	boost	-	-	-	69	69	69
	speed 3	-	-	-	48	48	48
	speed 2	68	68	68	40	40	40
	speed 1	40	40	40	25	25	25
	trickle	-	17	17	17	17	17
Sound pressure (dB(A)@3m)	boost	-	-	-	55	55	55
	speed 3	-	-	-	46	46	46
	speed 2	55	55	55	40	40	40
	speed 1	42	42	42	33	33	33
	trickle	-	27	27	27	27	27

Models

Premier DX400

Ref. 91083AW

Two speed centrifugal fan | Pre-select speed to suit application | Alternatively use optional COS switch to change between speeds and On/Off | Includes external wall grille

Premier DX400T

Ref. 91084AW

Centrifugal fan with timer | Timer is typically connected to a lighting circuit | Built-in run-on period after the light has been switched off, user adjustable from 30 sec -20 min | Fan operates at full speed when light is On, then operates at reduced speed during run-on and then switches to either trickle or off (installer selectable) | Quick visit delay feature prevents the fan from running should the light be switched On/Off again within 2 mins | Fan running status lights | Includes external wall grille

Premier DX400PC

Ref. 91100AW

High, Low, On/Off with tricklevent operated by integral 3 position pullcord switch | Fan running status lights | Includes external wall grille

Premier CF40

Ref. 91086AW

Condensation control range with humidistat | Automatic operation through integral humidity sensor | Pullcord selects high, low, off or trickle

Premier CF40TD

Ref. 91087AW

Automatic operation through integral humidistat | Pullcord selects high, low, off or trickle | Quick visit delay feature prevents the fan from running should the light be switched On/Off again within 2 mins | Fan running status lights | Includes external wall grille

Premier CF40RSTD

Ref. 91088AW

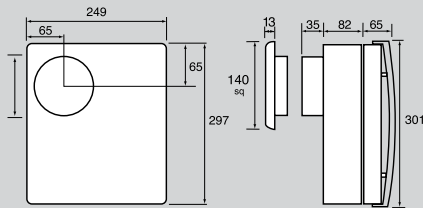
Automatic operation through integral humidistat | MOS remote switch (supplied) selects high or low speed and can switch the unit off (or to tricklevent) | Built-in humidity control run-on period | User adjustable from 30 sec-20 min | Fan running status lights | Includes external wall grille

Note: For kitchen applications a grease filter PDXGF is recommended Ref. 91145AA

Ancillaries

See pages 76-91

Dimensions (mm)



XIL & XXS

Inline axial extract fan systems for shower cubicles

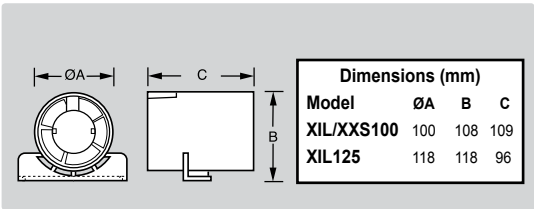


The Range

XIL fans are available in 100 and 125 sizes as fan systems which contain all the components necessary for a normal installation. Including the inline fan, 3m of flexible duct, worm drive clips, inline backdraught shutter (XIL 100 only), internal white ceiling grille and outside soffit/wall grille. XXS100 fans are available on their own. Xpelair XIL systems conform to Building Regulations mechanical ventilation requirements for toilets, shower rooms and bathrooms. Humid or moist air will be ducted away via a neat grille installed directly over the shower to the external grille outside, typically in the soffit.

Key Features

- XIL 100 and 125 models complete with full system kits
- XXS 100mm inline fan unit only models without kits
- Operated by a remote switch/pullcord or a flow switch on the shower water supply
- Lubricated for life, maintenance free motors
- Thermal cut-out safety protection
- IPX2 rated



Models

XIL100 **Ref. 90329AW**
Single speed inline shower fan system | Operated by remote switch (in a bathroom or wired to the lighting circuit) | Can also be wired to a water flow switch fitted in the pipe work to the shower control to switch On/Off when the shower is in use

XIL100T **Ref. 90330AW**
Single speed inline shower fan system | Built-in overrun timer (adjustable at installation from 2-20 mins) | Operated by remote switch or sensor

XIL125 **Ref. 91242AW**
Single speed inline shower fan system | Operated by remote switch or sensor

XIL125T **Ref. 91243AW**
Single speed inline shower fan system | Built-in overrun timer (adjustable at installation from 3-15 mins) | Operated by remote switch

XXS100 **Ref. 90331AW**
Single speed inline fan unit only | Operated by remote switch or sensor

XXS100T **Ref. 90332AW**
Single speed inline fan unit only | Integral timer operated by remote switch (adjustable from 2-20 mins)



XXS Models
Supplied as fan only without kit

Ancillaries See pages 72-87

Product Selector	Shower Fan Systems				Fan Only	
	XIL 100	XIL 100T	XIL 125	XIL 125T	XXS 100	XXS 100T
Reference number	90329AW	90330AW	91242AW	91243AW	90331AW	90332AW
Electrical power rating (W)	29	29	20	20	29	29
Extract performance (FID, m³/h)	54	54	63	63	95 FID	95 FID
Extract performance (FID, l/s)	15	15	18	18	26 FID	26 FID
Sound pressure level (dB(A)@3m)	30	30	43	43	33	33
Duct diameter (mm)	100	100	125	125	100	100
Hole diameter (mm)	115	115	140	140	115	115
IP rating	IPX2	IPX2	IPX2	IPX2	IPX2	IPX2
Weight (kg)	0.9	0.9	1.83	1.83	0.8	0.8
UK Guarantee (years)	2	2	2	2	1	1

*XXS fan only performance measured FID, XIL fan systems measured in typical installation (comprising 90° bend on the inlet & outlet plus 3m of duct).

BriteX LoVolt & Turbo+

Inline shower fan and SELV light systems for shower cubicles



The Range

Xpelair BriteX range is designed to extract condensation laden air directly from above the shower whilst illuminating the cubicle. BriteX kits include everything needed for a standard installation including a stylish ceiling inlet complete with bezel and 12V 35W sealed dichroic lamp, an inline extract fan, 12V Safety Extra Low Voltage (SELV) transformer, flexible ducting, duct ties and a soffit/wall grille. The kits are available in a choice of white or chrome bezel.

BriteX LoVolt is suitable for shorter duct runs (3m duct supplied) in shower cubicles, bathrooms and toilets. For larger shower rooms and longer duct runs, choose BriteX Turbo which comes complete with 6 metres of flexible ducting. The motor housing is made from ABS and has a detachable mounting foot. All BriteX systems can be installed in zone 1 in accordance with IEE Regulations 16th Edition. All versions are IPX4 rated and suitable for use with a supply voltage of 220-240V 50Hz.

Key Features

- Seven model range
- **BX100 (16 l/s)** supplied with 3m of flexible ducting
- **BX100+ turbo (21 l/s)** supplied with 6m of flexible ducting
- Both models available with and without timer
- Available with white or chrome finished internal bezel
- Supplied with 12V 35W sealed dichroic lamp and inline transformer
- Lubricated for life, maintenance free motors with thermal cut-out protection
- IPX4 rated

Axial

Mixed flow

Product Selector	BX100W	BX100WT	BX100C	BX100CT	BX100+W	BX100+WT	BX100+CT
Reference number	92276AW	92277AW	92278AW	92279AW	91248AW	91250AW	91251AW
Duct length supplied (metres)	3	3	3	3	6	6	6
Fan electrical power rating (W)	30	30	30	30	25	25	25
Hole diameter (mm)	102	102	102	102	102	102	102
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Bezel colour	White	White	Chrome	Chrome	White	White	Chrome
Weight (kg)	0.5	0.5	0.5	0.5	2.1	2.1	2.1
UK Guarantee (years)	2	2	2	2	2	2	2
Extract performance (m³/h)	58	58	58	58	74	74	74
Extract Performance (l/s)	16	16	16	16	21	21	21
Sound pressure level (dB(A)@3m)	36	36	36	36	55	55	55

Models

BX100W

Ref. 92276AW

White bezel model

Suitable for shower cubicles, bathrooms and toilets | 3m of flexible ducting | Stylish SELV rated air inlet with 35W sealed dichroic lamp | SELV transformer | IPX4 rated double insulated fan | ABS housing with detachable mounting foot | Sealed for life maintenance free motor | Safety thermal overload protection | Duct ties | Soffit/wall grille colour brown

BX100C

Ref. 92278AW

Chrome bezel model

As BriteX LoVolt BX100W but with chrome bezel

BX100WT

Ref. 92277AW

White bezel model

3m of flexible ducting | Fan fitted with overrun timer adjustable from 1-20 mins | Fan is typically connected to the bathroom lighting. Fan continues to run after the light has been switched off | Suitable for shower cubicles, bathrooms and toilets | Stylish SELV rated air inlet with 35W sealed dichroic lamp | SELV transformer | IPX4 rated double insulated fan | ABS housing with detachable mounting foot | Sealed for life maintenance free motor | Safety thermal overload protection | Duct ties | Soffit/wall grille colour brown

BX100CT

Ref. 92279AW

Chrome bezel model

As BriteX LoVolt BX100WT but with chrome bezel

Turbo BX100+W

Ref. 91248AW

White bezel model

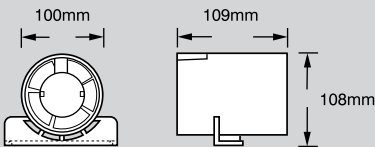
Suitable for longer duct runs and larger bathrooms | 6m of flexible ducting | Stylish SELV rated air inlet with 35W sealed dichroic lamp | SELV transformer | IPX4 rated double insulated mixed flow inline fan | ABS housing with detachable mounting foot | Sealed for life maintenance free motor | Safety thermal overload protection | Duct ties | Soffit/wall grille colour brown

Ancillaries

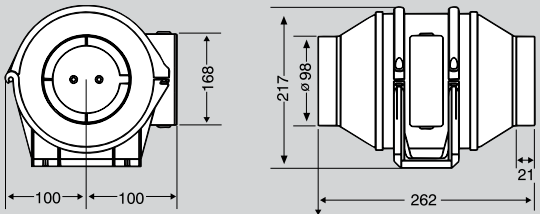
See pages 72-87

Dimensions (mm)

BriteX LoVolt Range (axial)



BriteX Turbo Range (mixed flow)



XIM

Inline mixed flow extract fans for domestic ducted applications



The Range

Available in four sizes, the Xpelair XIM range of plastic mixed flow units offers duties for a wide range of ducted applications. The two timer models have an adjustable overrun timer (3 to 15 mins).

All models come complete with a convenient mounting cradle which makes installation or subsequent inspection simple. The terminal box is easily accessible simplifying the electrical connection. XIM100 and XIM100T units are IPX2 rated. All other models are IPX4 rated for use in wet room ducted applications.

Key Features

- Eight model range
- XIM100 standard single speed model (21 l/s)
- XIM100T timer single speed model (21 l/s)
- XIM100+ plus two speed model (53 l/s - 70 l/s)
- XIM100+T plus timer two speed model (53 l/s - 70 l/s)
- XIM125 standard two speed model (55 l/s - 74 l/s)
- XIM150 standard two speed model (99 l/s - 132 l/s)
- XIM150T timer two speed model (99 l/s - 132 l/s)
- XIM 200 standard two speed model (166 l/s - 235 l/s)
- All models supplied with convenient installation mounting cradle
- Lubricated for life, maintenance free motors
- Thermal cut-out safety protection
- IPX4 rated (except XIM100 & XIM100T - IPX2 rated)

Product Selector	XIM100	XIM100T	XIM100+	XIM100+T	XIM125	XIM150	XIM150T	XIM200
Reference number	91252AW	91253AW	91254AW	91473AW	91255AW	91256AW	91257AW	91258AW
Speeds	1	1	2	2	2	2	2	2
Max. electrical power rating (W)	25	25	25	25	25	80	80	80
Duct size (mm)	100	100	100	100	125	150	150	200
IP rating	IPX2	IPX2	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Weight (kg)	1.2	1.2	2.1	2.1	2.1	3.2	3.2	4.5
UK Guarantee (years)	2	2	2	2	2	2	2	2
Max. extract performance (FID m³/h)	77	77	251	251	265	476	476	845
Min. extract performance (FID m³/h)			190	190	198	358	358	599
Max. extract performance (FID l/s)	21	21	70	70	74	132	132	235
Min. extract performance (FID l/s)			53	53	55	99	99	166
Max. sound pressure level (dB(A)@3m)	14	14	22	22	25	39	39	39

Models

XIM100

Ref. 91252AW

Single speed inline fan | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX2 rated

XIM100T

Ref. 91253AW

Single speed inline fan with adjustable overrun timer from 3-15 mins | Timer located in the terminal box | Triggered by lighting circuit | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX2 rated

XIM100+

Ref. 91254AW

High performance 2 speed inline fan | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX4 rated

XIM100+T

Ref. 91473AW

Two speed inline shower fan system | Built-in overrun timer (adjustable at installation from 2-20 mins) | Operated by remote switch or sensor | IPX4 rated

XIM125

Ref. 91255AW

2 speed inline fan | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX4 rated

XIM150

Ref. 91256AW

2 speed inline fan | Mixed flow impeller/guide vanes | Plastic construction | Integral mounting cradle | IPX4 rated

XIM150T

Ref. 91257AW

Adjustable overrun timer from 3-15 mins | 2 speed inline fan | Timer located in the terminal box | Timer triggered by lighting circuit | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX4 rated

XIM200

Ref. 91258AW

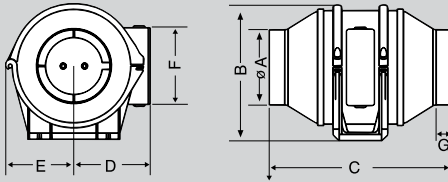
2 speed inline fan | Mixed flow impeller/guide vanes | Integral mounting cradle | IPX4 rated

Ancillaries

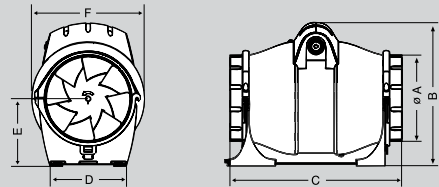
See pages 72-87

Dimensions (mm)

XIM100/100+125 Range



XIM150/200 Range



Dimensions (mm)							
Model	ØA	B	C	D	E	F	G
XIM100/T	98	177	238	99.5	89.2	100	20
XIM100+/T	98	217	262.4	100	100	168.3	21.3
XIM125	122	217	262.4	100	100	168.3	21.3
XIM150/T	147	244	293.4	130	115	192.3	21.3
XIM200	197	278.5	363.6	142	140	230.2	51.5

GX6 & GXC6
150mm (6") AC axial extract fans



The Range

Xpelair GX models are purpose designed for use in kitchens and utility rooms and can be window or panel mounted as supplied, or wall mounted using an optional wall kit.

GXC models have an integral pullcord actuator. Timer and humidistat versions are also available, along with multi-speed models. A trickle ventilation facility is available for background ventilation when not in use.

Key Features

- Single and two speed axial extract fans
- Two speed model operation requires COS switch accessory
- GX models silent electro-thermal actuated shutter remotely switched
- GXC pullcord operated with mechanical louvred backdraught shutter
- Remote switched, pullcord, timer and humidistat control model options
- Lubricated for life motors with thermal cut-out protection
- Clip-off front cover for ease of cleaning
- BEAB approved

Dimensions (mm)

A	B	C	D	E	F	ØG	H	J	K
226	210	119	107	109	101	184/203	32	4-35	113

Ancillaries

See pages 72-87

Models

GX6 **Ref. 90800AW**
Single speed extract fan | Operated by remote switch or sensor (not supplied)

GX6T **Ref. 90812AW**
Single speed extract fan | Integral run-on timer (adjustable from 2-20 mins) operated by lighting circuit

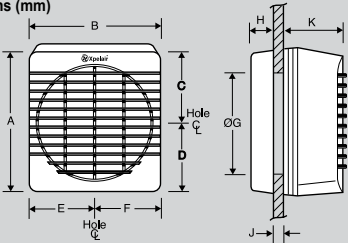
GX6HT **Ref. 90814AW**
Single speed extract fan | Integral automatic humidistat operation adjustable between 50-90% RH | Integral run-on timer operated by the lighting circuit | Timer adjustable from 2-20 mins

GX6HT2 **Ref. 90863AW**
Two speeds and humidistat or manual control selectable using an Xpelair TBS control (not supplied) | Silent electrothermal shutter | Automatic humidistat operation adjustable between 50-90% RH | Integral run-on timer operated by room lighting circuit | Timer adjustable from 2-20 mins

GXC6 **Ref. 90850AW**
Single speed extract fan | Integral pullcord switches fan on and opens shutter

GXC6T **Ref. 90861AW**
Single speed extract fan | Integral pullcord switches fan on and opens the shutter | Pullcord off action actuates timer overrun

Dimensions (mm)



Product Selector		GX6	GX6T	GX6HT	GX6HT2	GXC6	GXC6T
Reference number		90800AW	90812AW	90814AW	90863AW	90850AW	90861AW
Speeds		1	1	1	2	1	1
Electrical power rating (W)		30	30	30	30	30	30
Hole diameter (mm)		184	184	184	184	184	184
Hole diameter with wall liner (mm)		203	203	203	203	203	203
Weight (kg)		1.9	1.9	1.9	1.9	1.9	1.9
UK Guarantee (years)		2	2	2	2	2	2
Extract performance (FID, m³/h)	high	266	266	266	266	266	266
	low				222		
Extract performance (FID, l/s)	high	74	74	74	74	74	74
	low				62		
Sound pressure level (dB(A)@3m)	high	37	37	37	37	37	37
	low				34		

GX EC3 & GX EC3 RF

150mm (6") EC long life low energy axial fans



The Range

GX EC3 range of 6" axial fans incorporate long life, energy efficient Ultra EC motor technology and feature installer selectable speed settings to satisfy Part F1 installed performances for intermittent ventilation in kitchens or utility rooms.

The range includes a single speed extract/intake model and radio frequency (RF) controlled models using innovative ConneX wireless RF control technology. ConneX controllers offer a wireless and battery less control solution using only kinetic energy to generate and send control signals to single or multiple RF fans. This control option reduces installation time and cost as there is no need to run cables between the fan and the controller or purchase batteries. A single controller will control up to 10 RF fans and will function within a 25m parameter, offering a single centrally located control solution. Ideal for both domestic and commercial applications such as bars and restaurants where more than one ventilation system is required.

Key Features

- Energy saving, long-life lubricated for life Ultra EC motors
- Single speed selection or two speed (controller required)
- GX models silent electro-thermal actuated shutter remotely switched
- GXC pulldown operated with mechanical louvred backdraught shutter
- EC3R extract or intake models available (controller required)
- Wireless RF control compatible models (ConneX controller required)

ConneX RF Controllers



GX6 EC3 RF Controller

Ref: 92790AW

Suitable for use with GX6 EC3 RF models only. For use with up to 10 fans.



GX6 EC3R RF Controller

Ref: 92791AW

Suitable for use with GX6 EC3R RF models only. For use with up to 10 fans.

Product Selector	GX6 EC3	GXC6 EC3	GX6 EC3R	GX6 EC3 RF	GX6 EC3R RF
Reference number	92755AW	92756AW	92728AW	92731AW	92732AW
Speeds	2	2	1	2	1
Selectable Performance speeds at installation(m³/h)	284, 144	284, 144	Extract 284 or Intake 182	284/144 Extract	284 Extract or 182 Intake
Electric Power rating (W)	10.6	7.9	11.9	10.8	11.9
Weight (kg)	1.9	1.9	1.9	1.9	1.9
UK Guarantee (years)	5 *	5 *	5 *	5 *	5 *
Sound pressure level (dB(A) @3m)	30.3	30.3	30.3	30.3	30.3
Specific fan power (W/l/s)	0.13	0.19	0.15	0.13	0.15
Hole diameter in window (mm)	184	184	184	184	184
Hole diameter using wall kit (mm)	203	203	203	203	203

Models

GX6 EC3

Ref: 92755AW

Two installed extract performance options | Single speed operated by remote switch or two speed with COS controller (not supplied) | Integral electro-thermal actuator operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

GXC6 EC3

Ref: 92756AW

Two installed extract performance options | Single speed operated by integral On/Off pullcord | Two speed with COS controller (not supplied) | Integral mechanical pullcord operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

GX6 EC3R

Ref: 92728AW

Single speed extract set at 284m³/h or intake at 182m³/h | Reversible with COS controller (not supplied) | Integral electro-thermal actuator operated shutter | Integral safety finger-guard | Inner grille and shutter cassette can be removed for easy cleaning | Double insulated

GX6 EC3 RF

Ref: 92731AW

2 speed EC extract fan | Window or through wall installations with wall kit | RF controlled with ConneX 2 speed controller order Ref: 92790AW

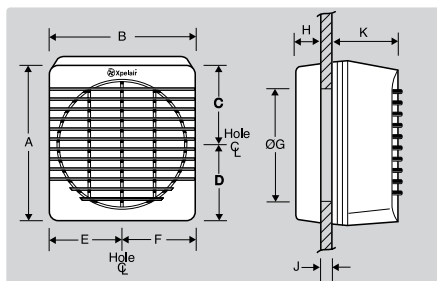
GX6 EC3R RF

Ref: 92732AW

Single speed EC intake and extract fan | Window or through wall installation with wall kit | RF controlled with ConneX single speed reversible controller order Ref: 92791AW

Ancillaries

See pages 72-87



Dimensions (mm)										
A	B	C	D	E	F	ØG	H	J	K	
226	210	119	107	109	101	184/203	35	4-35	113	

* 5 years on motor - 2 years on other parts

Nouvelle Cuisine

Kitchen canopies



Standard



Integrated



Chimney



90 Island

The Range

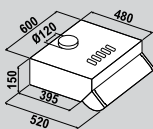
The Nouvelle Cuisine kitchen canopy range offers an elegantly designed range of domestic kitchen canopies, using a powerful extraction fan together with grease filters. There are four styles in the range which suit most applications, these include standard, integrated, chimney and island types of canopies which have either a white, silver or stainless steel finish.

Key Features

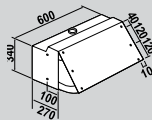
- 600mm and 900mm width models
- Option of either a recirculation or extraction mode
- 125mm Ø connection spigot
- Integral lighting included

Dimensions (mm)

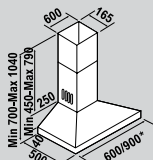
Standard



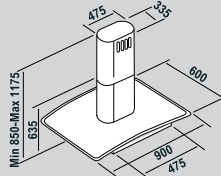
Integrated



60 Chimney



90 Island



Models

Standard

Ref. 91189AWT

White

Description: 60cm Standard canopy | White | Duct size: 125mm

Features / Specification

60cm Standard canopy | 3 speed levels | White | Recirculation or extraction | Maximum extraction rate 320m³/h | Sliding control panel | 125W motor | Built-in lights | Additional carbon filter available

Integrated

Ref. 91193AWT

Description: 60cm Integrated canopy | Silver | Duct size: 125mm

Features / Specification

60cm Integrated canopy | 3 speed levels | Silver | Recirculation or extraction | Maximum extraction rate 480m³/h | Sliding control panel | 125W motor | Built-in twin lights | Metallic grease filter in aluminium grille | Optional carbon filter system

60 Chimney

Ref. 91194AWT

Description: 60cm Chimney canopies | Stainless steel | Duct size: 125mm

Features / Specification

60cm Chimney canopies | 3 speed levels | stainless steel finish | Recirculation or extraction | Maximum extraction rate 480m³/h | Push button control panel | 200W motor | Built-in twin lights | Twin aluminium grease filters | Optional carbon filter system

90 Island

Ref. 91203AW

Description: 90cm Island glass canopy | Stainless steel and glass | Duct size: 125mm

Features / Specification

90cm Curved glass canopy | 3 speed levels | Stainless steel | Recirculation or extraction | Maximum extraction rate 480m³/h | Electronic touch control | 200W motor | Four 50W halogen spotlights | Aluminium grease filter | Optional carbon filter system

Nouvelle Cuisine

Kitchen canopies

Product Selector	Integrated	Standard	60 Chimney	90 Island
Reference number	91193AWT	91189AWT	91194AWT	91203AW
Max. extract performance (l/s)	97	56	133	236
Sound pressure level* (dB(A))	39	40	39	44
Motor rating (W)	200	125	200	240
Speeds	3	3	3	3
Recirculation	■	■	■	■
Extraction	■	■	■	■
Duct size (mm)	125	125	125	125
Guarantee (years)	2	2	2	2
Number of grease filters	1	1	2	1
Grease filter type	acrylic filter in metal casing	acrylic filter in metal casing	aluminium	aluminium
Additional carbon filter system	optional	■		
Built-in lighting	2 x 40W	2 x 40W	2 x 40W	4 x 50W
Maximum width (mm)	600	600	600	900
Finish	silver	white	stainless steel	stainless steel/glass
Replacement filters	41833SK	41834SK	41834SK	41834SK

*at low speed

Splashbacks

Splashback 70
Width: 700mm Height: 750mm

Ref. 91205AW

Splashback 100
Width: 1000mm Height: 750mm

Ref. 91207AW

Ancillaries

See pages 72-87

Commercial Ventilation Solutions

Ideal for a wide range of business, healthcare and leisure applications including shops, offices, hotels and factories, Xpelair's commercial fan ranges provide a high quality ventilation solution to any busy commercial environment.

Ranges include axial and centrifugal fans of various sizes and performances for both extract and intake of air, with model options for installation through wall, window, roof or ducted applications. New ranges now include long life, low energy use EC motor fans and wireless control model options for ease of installation.

A full range of compatible switches, sensors and controllers for adjustment and air quality management to meet environment occupancy is available, in addition to a full range of ducting and grille ancillaries to complete installation.

CX10 & CMF

Commercial ceiling mounted fans



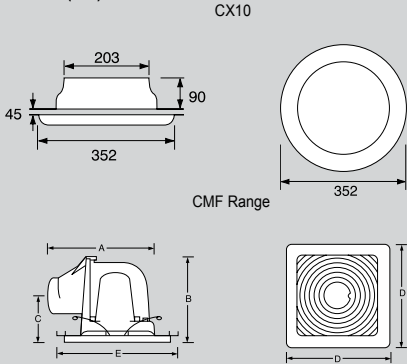
The Range

The CX10 and CMF are flush mounted ceiling extract fan units, which come complete with an intake grille finished in white. The CX10 has an integral duct connection spigot (203mmØ), whilst the CMF units have side entry spigots (CMF171/241 - 102mm Ø & CMF271 - 150mm Ø) plenum box. Applications include kitchens, larger utility rooms, pub bars, schools and shops.

Key Features

- Four models available - CX10, CMF171, CMF241 & CMF271
- Operated by remote sensor switches
- Conforms to Building Regulations Part F1
- Complete with integral fly guard

Dimensions (mm)



Product Selector	CX10	CMF171	CMF241	CMF271
Reference number	90209AB	89955AW	89956AW	89957AW
Electrical power rating (W)	34	30	33	48
Hole diameter (mm)	300	185 x 185	248 x 248	273 x 273
Ducting size (mm)	200	102	102	150
Weight (kg)	1.8	2.7	3.8	6.9
UK Guarantee (years)	2	2	2	2
Extract performance (FID, m³/h)	329	63	146	286
Extract performance (FID, l/s)	91	18	41	79
Sound pressure level (dB(A)@3m)	44	38	41	41

Models

CX10 **Ref. 90209AB**
 Single speed axial flush mounted extract ceiling fan with stylish circular flush design | Unit comes complete with integral fingerguard and fly screen | Lightweight two piece construction | Moulded pre-balanced axial bladed impeller | Suitable for steam and condensation applications | Vertical spigot with 200mm diameter connection | Operated by remote switch or sensor (not supplied)

CMF 171 **Ref. 89955AW**

CMF 241 **Ref. 89956AW**

CMF 271 **Ref. 89957AW**
 Flush mounted extract ceiling fans | High performance single speed centrifugal pressure developing motor/fan/scroll assemblies | Stylish square grille design with integral finger-guard | Lightweight two piece construction with horizontal spigot outlet | Cassette design allows ducting to be installed prior to the fan itself

Accessories

CXS Back Draught Shutter **Ref. 00150AB**
CXS (for CX10)
 200mm

TDK8 Termination Duct Kit **Ref. 92789AA**
TDK8 (for CX10)
 200mm

Ancillaries See pages 72-87

Model	Dimensions (mm)				
	A	B	C	D	E
CMF171	277	226	123	230	240
CMF241	343	260	133	290	319
CMF271	420	318	133	320	350

GX9 & GX12

Commercial AC window fans



The Range

GX9 and GX12 window fans have remained a byword for commercial window fans for over forty years. Supplied with longer ladder strips for ease of installation and with safety finger-guard integrated into the housing and the window grille. A tamper-proof positive plug and socket assembly provides a means of isolation for service access. Installation in single and sealed double glazed windows (up to 25mm) is rapid using Xpelair's unique metal ladder strip / screw system, ensuring a secure and watertight seal against the glass.

Both 9" and 12" models are reversible and feature totally enclosed external rotor motors providing constant volume outputs, even in gusty external conditions. Pre-balanced impellers eliminate 'fan judder' and ensure quiet trouble free operation. Sealed for life maintenance free bearings ensure suitability for running at any angle. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts.

Key Features

- Available in 9" and 12" models
- GX electro-thermal shutter or GXC pullcord mechanical (9") model options
- GX models are reversible and speed controllable (controllers required)
- GX9 & GX12 are reversible and speed controllable
- GX9 & GX12 sickle bladed impellers provide a constant volume output

Models

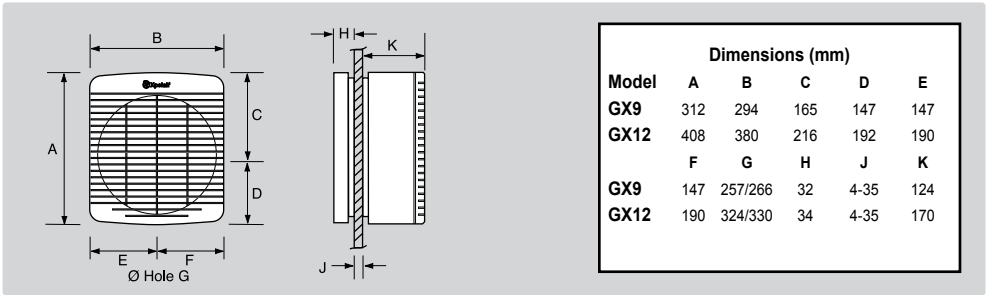
GX9 **Ref. 89994AW**
Two speed high performance 9" axial fan | Operated by a remote On/Off switch (not supplied) | Intake or extract (reversible with optional controller) | Suitable for single and sealed double glazing windows and panels up to 25mm

GXC9 **Ref. 89995AW**
Single speed high performance 9" axial fan | Operated by an integral pullcord | Suitable for single and sealed double glazing windows and panels up to 25mm

GX12 **Ref. 90012AW**
Two speed high performance 12" axial fan | Operated by a remote On/Off switch (not supplied) | Intake or extract (reversible with optional controller) | Suitable for single and sealed double glazing windows and panels up to 25mm

Ancillaries

See pages 72-87



Product Selector	GX9	GXC9	GX12
Reference number	89994AW	89995AW	90012AW
Remote switch (supplied separately)	■	■	
Select, intake, extract or controller operation	■	■	
Speeds (Low speed only applies if fan used with FR22/30 controller)	2	1	2
Extract performance (FID, m³/h) high/low	728 / 618	549	1614 / 1214
Extract performance (FID, l/s) high/low	202 / 172	153	448 / 337
Intake performance (FID, m³/h) high/low	456 / 412		1002 / 819
Intake performance (FID, l/s) high/low	127 / 114		278 / 228
Sound pressure level (dB(A)@3m) high/low	50 / 48	44	55 / 50
Max. electrical power rating (W)	41	32	85
Hole diameter (mm)	257	257	324
Hole diameter with wall liner (mm)	266	266	330
Weight (kg)	4	3.9	7.9
UK Guarantee (years)	2	2	2

GX 9/12 EC3 & EC3 RF

Commercial EC long life low energy axial fans



The Range

GX 9" and 12" EC3 commercial axial fans feature Ultra EC motor technology for long lasting energy efficient performance and reduced running costs. All models feature a thermo-actuated backdraught shutter to protect against noise ingress and draught and offer two speed extract control when installed with a suitable controller. For EC3 models an MS2 controller is required, whilst the new EC3 RF models require the new ConneX RF controller, both purchased separately.

The new innovative ConneX radio frequency (RF) controllers offer a wireless and battery less control solution using only kinetic energy to generate and send control signals to single or multiple fans. This control option reduces installation time and cost as there is no need to run cables between the fan and the controller or purchase batteries. A single ConneX controller will control up to 10 of the same size GX EC3 RF units and will function within a 25 metre parameter,* offering a single centrally located control solution ideal for commercial applications such as bars and restaurants where more than one ventilation system is required.

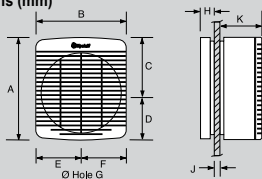
*Working parameter can be affected by line of sight, walls and shielding

Controls



GX9/12 EC3 RF Controller
Ref: 92792AW
Suitable for use with GX9/12 EC3 RF models only. For use with up to 10 fans.

Dimensions (mm)



Product Selector

	GX9 EC3	GX12 EC3	GX9 EC3 RF	GX12 EC RF
Reference number	92729AW	92730AW	92733AW	92734AW
Remote switch (supplied separately)	23513AW (MS2)	23513AW (MS2)	92792AW (RF)	92792AW (RF)
Speeds (operational)	2 (selectable)	2 (selectable)	5 (preset)	5 (preset)
Speeds (Low speed only applies if fan used with FR22/30 controller)	5	5	2	2
Passive intake (shutter open without fan running)			■	■
Extract performance (FID, m ³ /h) Max / Min	847 Max	1675 Max	847 / 372	1675 / 600
Extract performance (FID, l/s) Max / Min	235 Max	448 / 337	202 / 172	448 / 337
Max. electrical power rating (W)	54.8	67.3	54.8	67.3
Hole diameter (mm)	257	324	257	324
Hole diameter with wall liner (mm)	266	330	266	330
Weight (kg)	4.2	7.5	4.2	7.5
UK Guarantee (years)	5 *	5 *	5 *	5 *

* 5 years on motor - 2 years on other parts

Key Features

- Energy saving, long-life lubricated for life EC motors
- High/Low speeds EC3 models (MS2 controller required)
- Two selected speeds from five options on EC3 RF models (ConneX controller required)
- Integral backdraught shutters to protect against draught and heat loss
- No controller wiring or battery requirement with ConneX RF controlled models

Models

GX9 EC3

Ref. 92729AW

Two speed operation, speed selections are variable when operated by a MS2 controller (not supplied) | Integral electro-thermal actuator operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

GX9 EC3 RF

Ref. 92733AW

Five extract performance speed operation using ConneX RF controller supplied | Integral electro-thermal actuator operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

GX12 EC3

Ref. 92730AW

Two speed operation, speed selections are variable when operated by a MS2 controller (not supplied) | Integral electro-thermal actuator operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

GX12 EC3 RF

Ref. 92734AW

Five extract performance speed operation using ConneX RF controller | Integral electro-thermal actuator operated shutter | Integral safety finger-guarded inner grille and shutter cassette, removable for easy cleaning | Double insulated

Ancillaries

See pages 72-87

Dimensions (mm)

Model	A	B	C	D	E
GX9	312	294	165	147	147
GX12	408	380	216	192	190
	F	G	H	J	K
GX9	147	257/266	32	4-35	124
GX12	190	324/330	34	4-35	170

PX6, PX9 & PX12

Commercial ceiling fans



The Range

The PX range introduces even greater flexibility into the design of commercial and larger domestic ventilation systems. Based on the proven WX range, PX fans are perfect for ceiling and panel applications in kitchens, restaurants, pubs, offices, schools and shops. They can be installed at any angle in ceilings, voids and wall panels of any thickness. An integral spigot allows the attachment of flexible ducting, such as Xflex. Installation in ceilings and wall panels is rapid thanks to the concealed fixing points provided.

Both the PX9 and PX12 fans are reversible, making them ideal for ducted input systems in the hospitality industry. They also feature totally enclosed external rotor motors, providing constant volume outputs even in gusty external conditions. Pre-balanced impellers eliminate 'fan judder' and ensure quiet trouble free operation. Sealed for life maintenance free bearings ensure suitability for running at any angle. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts.

Key Features

- Three sizes are available (6", 9" & 12")
- PX range has an electrothermal shutter cassette
- PX6 high performance extract only ventilation unit
- PX9 & PX12 are reversible and speed controllable
- Constant volume output
- Controller and external grilles are not included

Models

PX6

Ref. 91300AW

High performance extract only axial flow ventilation unit | Operated by remote On/Off switch (not supplied) | Suitable for installation at any angle in ceilings, voids and wall panels of any thickness | Totally enclosed motor | Sealed for life maintenance free bearings, suitable for running at any angle | Built-in silent action electrothermal shutter cassette | Ultra slim high gloss ABS fascia with integral safety finger-guard

PX9

Ref. 91299AW

High performance intake / extract axial flow ventilation unit | Choice of optional controllers

PX12

Ref. 91298AW

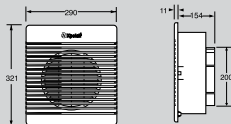
High performance intake / extract axial flow ventilation unit | Choice of optional controllers

Ancillaries

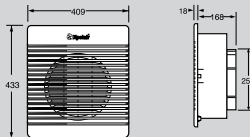
See pages 72-87

Dimensions (mm)

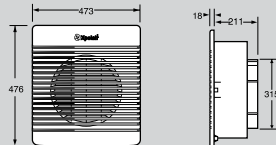
PX6 Range



PX9 Range



PX12 Range



Product Selector

	PX6	PX9	PX12
Reference number	91300AW	91299AW	91298AW
Remote switch (supplied separately)	■	■	■
Extract only	■		
Select, intake, extract or controller operation		■	■
Speeds	1	2*	2*
Extract performance (FID, m³/h) high/low	246	790 / 685	1712 / 1290
Extract performance (FID, l/s) high/low	68	219 / 190	476 / 358
Intake performance (FID, m³/h) high/low		458 / 433	1037 / 845
Intake performance (FID, l/s) high/low		127 / 120	288 / 235
Sound pressure level (dB(A)@3m) high/low	39	50 / 47	54 / 48
Ducting size (mm)	200	250	315
Electrical power rating (W)	34	41	85
Hole diameter (w x h mm)	245 x 268	345 x 375	434 x 434
Spigot size (mm)	200	250	315
Weight (kg)	2.8	4.7	7.9
UK Guarantee (years)	2	2	2

*Low speed only applies if fan used with FR22/30 controller. If a controller is not used the fan is only single speed (high)

RX6, RX9 & RX12
Commercial roof fans



The Range

RX models are a neat way of ventilating through glazed and solid roofs and can be used vertically in windows on exposed sites such as coastal areas and high rise buildings. The UV stabilised roof cowl assembly is a generous size to provide weather protection at all angles. They are suitable for single and sealed double glazed windows and panels up to 25mm. For flat roofs an optional roof mounting plate allows RX models to be fitted to dressed curbs.

All models offer a passive trickle vent option for background ventilation when the fan is off. Both the RX9 and RX12 are reversible. On RX9 and RX12 units a positive plug and socket assembly provides a means of isolation for service access without the safety risk of accidental disconnection. RX9 and RX12 models feature totally enclosed external rotor motors providing constant volume outputs, even in gusty external conditions. Pre-balanced sickle bladed impellers eliminate ‘fan judder’ and ensure quiet trouble free operation. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts.

Key Features

- Three sizes are available (6", 9" & 12")
- RX range has an electrothermal shutter cassette
- RX6 high performance extract only ventilation unit
- RX9 & RX12 are reversible and speed controllable
- Roof mounting plates also available

Models

RX6 Ref. 90818AW

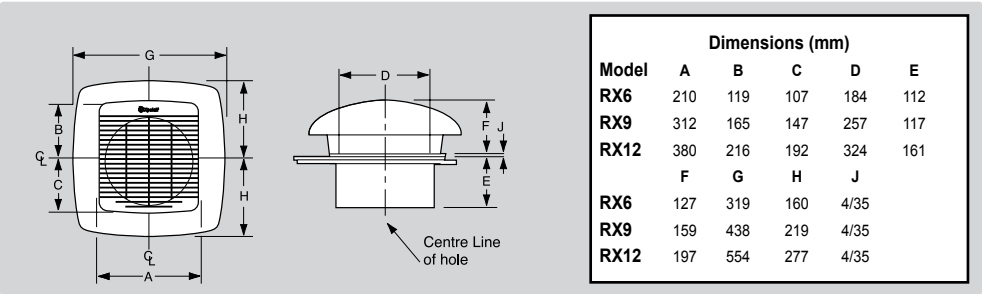
High performance extract only axial flow ventilation unit | Operated by remote On/Off switch (not supplied) | Suitable for single and sealed double glazed windows and panels up to 25mm | Built-in electrothermal shutter cassette | Passive trickle vent option for background ventilation with fan off | Easy clean high gloss ABS housing | Roof cowl assembly in UV stabilised material provides weather protection at all roof angles | Unique metal ladder strip/screw connection to external grille for security and weathertight seal | Supply voltage 220-240V 50Hz

RX9 Ref. 90424AW
RX12 Ref. 90425AW

High performance intake/extract axial flow ventilation unit | Balanced external rotor motor and impeller for quiet efficiency | Tamper-proof internal connection safety plug and socket | Choice of optional controllers

Ancillaries

See pages 72-87



Product Selector	RX6	RX9	RX12
Reference number	90818AW	90424AW	90425AW
Remote switch (not supplied)	■	■	■
Extract only	■		
Selectable intake, extract or controller operation		■	■
Speeds	1	2*	2*
Extract performance (FID, m³/h) high/low	206	511 / 430	1100 / 807
Extract performance (FID, l/s) high/low	57	142 / 119	306 / 224
Intake performance (FID, m³/h) high/low		438 / 384	915 / 709
Intake performance (FID, l/s) high/low		122 / 107	254 / 197
Sound pressure level (dB(A)@3m) high/low	39	52 / 49	56 / 48
Electrical power rating (W)	35	41	87
Hole diameter (Ømm)	184	257	324
Max. wall thickness (mm)	25	25	25
Weight (kg)	3.8	4.5	7.9
UK Guarantee (years)	2	2	2

*Low speed only applies if fan used with FR22/30 controller. If a controller is not used the fan is only single speed (high)

WX6, WX9 & WX12

Commercial wall fans with 'safe lock' metal telescopic wall liner



The Range

WX commercial duty wall fans are designed for pubs, restaurants, offices, kitchens, factories, schools and shops. Suitable for single, cavity brick and timber frame walls. The low profile white fascia is styled to blend in cleanly with commercial surroundings. For safety, a finger-guard is integrated into the ultra slim high gloss ABS fascia and the exterior wall grille design. On WX9 and WX12 units a positive plug and socket assembly provides a means of isolation. All WX models come complete with a wall mounting kit which includes a 'safe lock' metal telescopic wall liner. Both the WX9 and WX12 are reversible and feature totally enclosed external rotor motors. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts.

Key Features

- 6", 9" & 12" sizes available
- Now with 'safe lock' metal telescopic wall liner
- Electrothermal shutter cassette
- WX6 high performance extract only ventilation unit
- WX9 & WX12 are reversible (with optional speed controller)

Models

WX6

Ref. 92502AW

High performance extract axial fans | Metal telescopic wall liner | Sealed for life maintenance free bearings, suitable for running at any angle | Integrated safety thermal overload protection | Built in silent action electrothermal shutter cassette | Passive trickle vent facility for background ventilation with fan off | Ultra slim high gloss ABS fascia with integral finger safety guard | Grey external grille with built in weather protection | IPX4 rated motor

WX6T

Ref. 92523AW

As WX6 with overrun timer which typically connects to a lighting circuit | Timer adjustable from 2-20 mins run-on period after light has been switched off | IPX4 rated motor

WX9

Ref. 92503AW

WX12

Ref. 92504AW

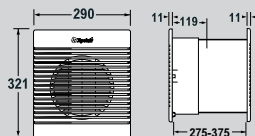
High performance intake/extract axial flow ventilation unit | Balanced external rotor motor and impeller for quiet efficiency | Choice of optional controllers | Tamper-proof internal connection safety plug and socket | IPX4 rated motor

Ancillaries

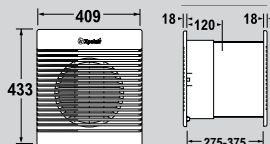
See pages 72-87

Dimensions (mm)

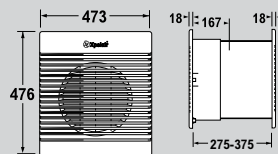
WX6 Range



WX9 Range



WX12 Range



Product Selector

	WX6	WX6T	WX9	WX12
Reference number	92502AW	92523AW	92503AW	92504AW
Remote switch (not supplied)	■	■	■	■
Integral adjustable run-on timer (2 to 20 mins)		■		
Extract only	■	■		
Selectable intake, extract or controller operation			■	■
Speeds	1	1	2*	2*
Extract performance (FID, m³/h) high/low	246	246	783 / 663	1715 / 1162
Extract performance (FID, l/s) high/low	68	68	248 / 184	476 / 179
Intake performance (FID, m³/h) high/low			477 / 437	969 / 815
Intake performance (FID, l/s) high/low			133 / 121	269 / 226
Sound pressure level (dB(A)@3m) high/low	39	39	50 / 47	54 / 48
Electrical power rating (W)	34	34	41	85
Hole diameter (w x h mm)	245 x 268	245 x 268	345 x 375	434 x 434
Wall thickness (mm)	275 - 375	275 - 375	275 - 375	275 - 375
Weight (kg)	6.4	6.4	10.5	14
UK Guarantee (years)	2	2	2	2

*Low speed only applies if fan used with FR22/30 controller. If a controller is not used the fan is only single speed (high)

WX6, WX9 & WX12

Commercial wall fans with corrugated plastic wall liner



The Range

WX commercial duty wall fans are designed for pubs, restaurants, offices, kitchens, factories, schools and shops. Suitable for single, cavity brick and timber frame walls. The low profile white fascia is styled to blend in cleanly with commercial surroundings. For safety, a finger-guard is integrated into the ultra slim high gloss ABS fascia and the exterior wall grille design. On WX9 and WX12 units a positive plug and socket assembly provides a means of isolation. All WX models come complete with a wall mounting kit which includes a cut to size corrugated plastic wall liner. Both the WX9 and WX12 are reversible and feature totally enclosed external rotor motors. Running costs are impressively low, and when not in use the silent electro-thermal shutter cassette closes silently against backdraughts.

Key Features

- 6", 9" & 12" sizes available
- With cut to size corrugated plastic wall liner
- Electrothermal shutter cassette
- WX6 high performance extract only ventilation unit
- WX9 & WX12 are reversible (with optional speed controller)

Models

WX6

Ref. 90822AW

High performance extract axial fans | Corrugated plastic wall liner | Sealed for life maintenance free bearings, suitable for running at any angle | Integrated safety thermal overload protection | Built in silent action electrothermal shutter cassette | Passive trickle vent facility for background ventilation with fan off | Ultra slim high gloss ABS fascia with integral finger safety guard | Grey external grille with built in weather protection | IPX4 rated motor

WX6T

Ref. 90823AW

As WX6 with overrun timer which typically connects to a lighting circuit | Timer adjustable from 2-20 mins run-on period after light has been switched off | IPX4 rated motor

WX9

Ref. 89996AW

WX12

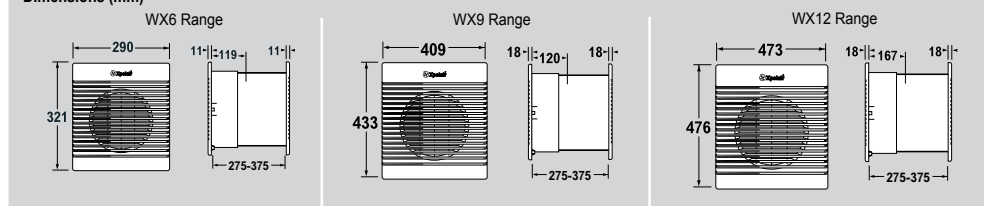
Ref. 90011AW

High performance intake/extract axial flow ventilation unit | Balanced external rotor motor and impeller for quiet efficiency | Choice of optional controllers | Tamper-proof internal connection safety plug and socket | IPX4 rated motor

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	WX6	WX6T	WX9	WX12
Reference number	90822AW	90823AW	89996AW	90011AW
Remote switch (not supplied)	■	■	■	■
Integral adjustable run-on timer (2 to 20 mins)		■		
Extract only	■	■		
Selectable intake, extract or controller operation			■	■
Speeds	1	1	2*	2*
Extract performance (FID, m³/h) high/low	246	246	783 / 663	1715 / 1162
Extract performance (FID, l/s) high/low	68	68	248 / 184	476 / 179
Intake performance (FID, m³/h) high/low			477 / 437	969 / 815
Intake performance (FID, l/s) high/low			133 / 121	269 / 226
Sound pressure level (dB(A)@3m) high/low	39	39	50 / 47	54 / 48
Electrical power rating (W)	34	34	41	85
Hole diameter (w x h mm)	245 x 268	245 x 268	345 x 375	434 x 434
Wall thickness (mm)	275 - 375	275 - 375	275 - 375	275 - 375
Weight (kg)	2.9	2.9	4.7	8.3
UK Guarantee (years)	2	2	2	2

*Low speed only applies if fan used with FR22/30 controller. If a controller is not used the fan is only single speed (high)

System Ventilation Solutions

Xpelair is renowned for its heat recovery expertise and offers a range of System solutions with advanced technology that effectively extracts moisture and stale air and resupplies fresh air back in, to provide a comfortable living environment.

With modern day high insulation and air tight building specification standards in both our homes and many commercial buildings there is a growing need for mechanical ventilation systems to maintain air quality and protect the fabric of buildings from the effects of moisture and condensation. Xpelair offers a range of whole house ventilation solutions including mechanical extract ventilation (MEV), decentralised mechanical extract ventilation (dMEV) and mechanical ventilation with heat recovery (MVHR), all of which have been designed to provide a continuous supply of fresh and healthy air.

With household efficiency growing in prominence as well as an increasing desire to save on energy bills, Xpelair's Carbonlite low energy whole house ventilation systems with high efficiency heat recovery provide the solution to combat these issues.

Xplus 2 AC

Multi-point domestic and commercial ventilation units



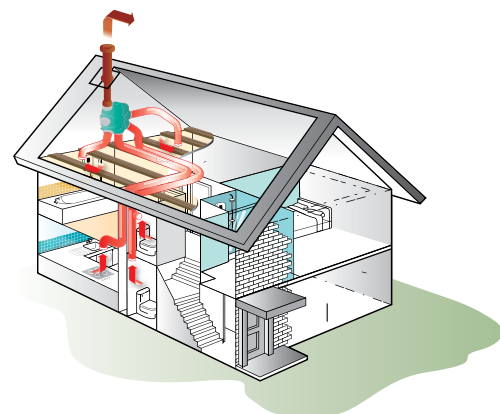
The Range

The Xplus 2 is a high performing central extract system designed to continuously extract stale, moist air from domestic kitchens, bathrooms and commercial wet rooms.

The unit is primarily used in domestic applications but can also be used for commercial applications where continuous extract is required.

The multi-spigot low profile design offers the installer greater flexibility when choosing where to site the unit and also due to the spigot configuration, allows ducting to be connected from any direction, therefore reducing airflow restriction and noise. The unit is suitable for either horizontal or vertical installation.

Xplus 2 has 1-125mm Ø discharge spigot to atmosphere and up to 6-125mm Ø spigots from the dwelling, depending on the total volume required. 4 blanking plates are also supplied. Xpelair accessories such as Profile 60 rectangular flat duct together with 125mm Ø rigid and flexible insulated/uninsulated ducting can be used in conjunction with the Xplus 2 unit to provide a complete ventilation system.



Key Features

- 190mm low profile design
- Six 125mm Ø extract spigot connections
- External rotor motor
- Moulded high performance scroll
- Integral fixing points
- Suitable for temperatures up to 50°C
- 100% recyclable
- Controller required

Models

Xplus 2 AC

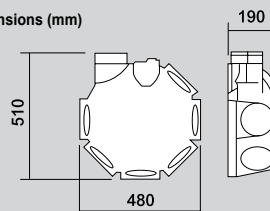
Ref. 92430AW

4 speed selection (controller required) | Trickle and boost options | Multi-spigoted | Can be surface mounted horizontally, vertically or inverted

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	Xplus 2 AC
Reference number	92430AW
AC motor	■
Speeds	4
Extract Performance (FID, m ³ /h) Speeds 1/2/3/4	155 / 237 / 329 / 471
Power (W) Speeds 1/2/3/4	13.4 / 23.9 / 35 / 58
No. of intake spigots	6
Spigot diameter (mm)	125
Colour	Blue
Weight (kg)	4.95
UK Guarantee (years)	2

Xplus 2 EC & EC RF

Low energy multi-point domestic and commercial ventilation units



The Range

Xplus 2 EC central extract units features long life, low energy use motors and highly energy efficient backward curved impeller. The extract speeds can be set by the installer to match the required Part F extract rates for the size and layout of the dwelling.

Suitable for installation horizontally or vertically at any angle, Xplus 2 is extremely versatile. It is typically sited in an airing cupboard or the attic, but with a low profile design of only 190mm it can also be installed in many apartment ceilings or floor voids. The multi-spigot configuration enables ducting to be connected from several directions reducing ducting resistance, airflow restriction and noise.

Xplus 2 EC RF models are supplied complete with the new innovative ConneX radio frequency (RF) controller which uses kinetic energy to generate and send control signals to the MEV unit. This wireless and battery-less control solution reduces installation time and cost as there is no need to run cables between the MEV unit and the controller, making it ideal for refurbishment.

ConneX RF Controllers



ConneX RF Controller
Ref: 92796AW
2 speed RF controller
for use with Xplus 2 EC RF



ConneX RFH Controller
Ref: 92915AW
4 speed controller for use with
Xplus 2 EC RFH

Key Features

- Long life, low energy use motor
- Light and compact 190mm low profile unit design
- Six extract connection points for 125mm Ø ducting spigots
- Multiple fixing points for installation siting flexibility
- Suitable for up to 50°C use and 100% recyclable
- Three installer adjustable speed settings
- Controller required for EC model (not supplied)
- ConneX RF wireless controller supplied (RF and RFH models)

Models

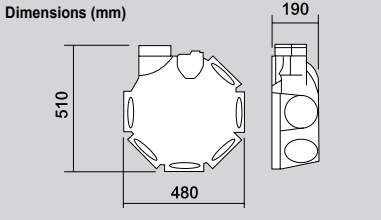
Xplus 2 EC **Ref. 92498AG**
3 installer adjustable speed settings | 3 speed selection controller required | Trickle and boost options | Multi spigotted | Can be surface mounted horizontally, vertically or inverted

Xplus 2 EC RF **Ref. 92854AG**
2 installer adjustable speed settings | Supplied complete with RF controller for trickle setting and timed boost | Supplied with five 125mm Ø ducting spigots and four blanking caps

Xplus 2 EC RFH **Ref. 92795AG**
4 installer adjustable speed settings | Supplied complete with RF controller for trickle, day, timed boost and auto/humidity setting | Supplied with five 125mm Ø ducting spigots and four blanking caps

Ancillaries

See pages 72-87



Product Selector	Xplus 2 EC	Xplus 2 EC RF	Xplus 2 EC RFH
Reference number	92498AG	92854AG	92795AG
Motor Type	EC	EC	EC
Speeds	3 selectable	2 selectable	4 selectable
Extract Performance (FID m³/h)	260 to 550 (fully adjustable)	260 to 550 (fully adjustable)	260 to 550 (fully adjustable)
Maximum Extract Performance (m³/h @100Pa)	515	515	515
Maximum Power (W)	79	79	79
Spigot diameter (mm)	125	125	125
Sound Pressure Level (dB(A)@3m)	20.1 / 30.7 / 37.1 / 45.1	20.6 / 35.2 / 47.1 (adjustable)	20.6 / 35.2 / 47.1 (adjustable)
Weight (kg)	3.4	3.4	3.4
UK Guarantee (years)	5 *	5 *	5 *

* 5 years on motor - 2 years on other parts

Xcell 150QVW

Mechanical ventilation with heat recovery



The Range

The Xcell 150QVW is one of a range of CarbonLite energy efficient Mechanical Ventilation with Heat Recovery units (MVHR) designed for modern tight buildings. It is ideal for apartments and houses and has a standard 600mm width.

The Xcell 150QVW has a lightweight EPP construction and can be wall or loft mounted. The design combines a highly insulated EPP structural foam body with four 125mm Ø extract spigot connections with barbed connections and has a 90% energy efficient heat exchanger, EC ultra low energy multi-speed external rotor motors and long life G4 filters. Inspection of the filters is easily achieved by removal of the easy fit access panel.

Controls



QV Q3SP **Ref. 96005AA**
3 speed selector (trickle, normal or boost | Controller for Xcell QVW | Surface mounting | Filter inspection indicator | Motor failure indicator | 74mm (w) x 74mm (h)



QV QCO2 indoor air quality **Ref. 96003AA**
Monitors indoor air quality | Sensor for the Xcell QVW | Surface mounting | 80mm (w) x 120mm (h) x 31 (d)

Product Selector

Reference number	
Motor type	
Maximum supply / extract performance (FID, m³/h)	
Maximum supply / extract performance (m³/h @100Pa)	
Maximum system pressure (Pa)	
Power usage maximum (W) 220-240V AC 50-60Hz	
Specific fan power (average W/l/s - Specific fan power is subject to system design resistance)	
Efficiency (%)	
Speeds	
Speed control type	
Noise (dB(A)@3m) Low / Medium / Max	
Spigot diameter (mm)	
Installation orientation	
Weight (kg)	
UK Guarantee (years)	

Key Features

- SAP Appendix Q listed
- Part L and EST Best Practice Compliant
- Four 125mm top entry connection spigots
- Constructed from a highly insulated EPP lightweight material
- High efficiency counterflow cell, up to 90% efficient
- G4 filters fitted
- Controller required

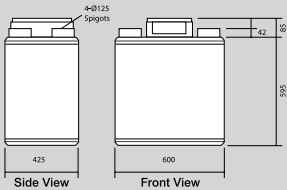
Models

Xcell 150QVW **Ref. 92460AW**
3 speed heat recovery unit - circular spigots and winter defrost facility

Ancillaries

See pages 72-87

Dimensions (mm)



	Xcell 150QVW
Reference number	92460AW
Motor type	EC
Maximum supply / extract performance (FID, m³/h)	240
Maximum supply / extract performance (m³/h @100Pa)	182
Maximum system pressure (Pa)	250
Power usage maximum (W) 220-240V AC 50-60Hz	80
Specific fan power (average W/l/s - Specific fan power is subject to system design resistance)	0.74
Efficiency (%)	90
Speeds	3
Speed control type	Remote variable DC wall mounted
Noise (dB(A)@3m) Low / Medium / Max	20 / 22.5 / 29.5
Spigot diameter (mm)	125
Installation orientation	Vertical
Weight (kg)	17.5
UK Guarantee (years)	5 *

* 5 years on motor - 2 years on other parts

Xcell 200QVW
Mechanical ventilation with heat recovery



The Range

The Xcell 200QVW has a lightweight EPP construction and can be wall or loft mounted. The design combines a highly insulated EPP structural foam body with four 125mm Ø extract spigot connections with barbed connections and has a 90% energy efficient heat exchanger, EC ultra low energy multi-speed external rotor motors and long life G4 filters. Inspection of the filters is easily achieved by removal of the easy fit access panel.

Controls



QV Q3SP
3 speed selector (trickle, normal or boost) | Controller for Xcell QVW | Surface mounting | Filter inspection indicator | Motor failure indicator | 74mm (w) x 74mm (h)

Ref. 96005AA



QV QCO2 indoor air quality
Monitors indoor air quality | Sensor for the Xcell QVW | Surface mounting | 80mm (w) x 120mm (h) x 31 (d)

Ref. 96003AA

Key Features

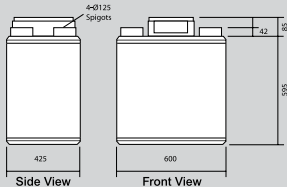
- SAP Appendix Q listed
- Part L EST Best Practice Compliant
- Four 125mm top entry connection spigots
- Constructed from a highly insulated EPP lightweight material
- High efficiency counterflow cell, up to 92% efficient
- G4 filters fitted
- Controller required

Models

Xcell 200QVW
Xcell three speed heat right hand recovery unit - circular spigots and winter defrost facility
Ref. 92462AW

Ancillaries See pages 72-87

Dimensions (mm)



Product Selector	Xcell 200QVW
Reference number	92462AW
Motor type	EC
Maximum supply / extract performance (FID, m³/h)	240
Maximum supply / extract performance (m³/h @100Pa)	205
Maximum system pressure (Pa)	250
Power usage maximum (W) 220-240V AC 50-60Hz	80
Specific fan power (average W/l/s - Specific fan power is subject to system design resistance)	0.74
Efficiency (%)	90
Speeds	3
Speed control type	Remote variable DC
Noise (dB(A)@3m) Low / Medium / Max	20 / 24.5 / 34.5
Spigot diameter (mm)	125
Installation orientation	Vertical
Weight (kg)	17.5
UK Guarantee (years)	5 *

* 5 years on motor - 2 years on other parts

Xcell 300QVI

Mechanical ventilation with heat recovery and summer bypass



Key Features

- SAP Appendix Q listed
- Part L and EST Best Practice compliant
- Four top entry connection spigots
- Constructed from a highly insulated EPP lightweight material
- High efficiency counterflow cell up to 91% efficient
- G4 filters fitted
- Controller required

The Range

Xcell 300QVI units are designed for modern airtight buildings and are ideal for 3-4 bedroom houses and large apartments. They incorporate a high efficiency heat recovery counter flow cell for heat recovery of up to 91%, EC ultra low energy motors and G4 filters. The three intake connection spigots located on the top of the unit make the unit ideal for locating in a loft void.

The units have three speeds and benefit from winter defrost cycle, filter and motor inspection indicators and the facility for automatic control by a combination of humidistats, CO2 or smoke sensors. The QVI benefits from summer bypass, cold home guard and computer BMS compatibility.

Models

Xcell 300QVI **Ref. 92465AW**
Multi speed heat right hand recovery unit with summer bypass, cold home guard and is computer and BMS compatible

Controls



QV QRFT RF Transmitter **Ref. 96007AA**
Remote manual speed controller | Up to 6 can be used | Surface mounting



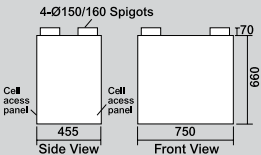
QRFR RF Receiver **Ref. 96006AA**
RF receiver unit for use with RF transmitters | 1 per MVHR unit required

QV QCO2 indoor air quality **Ref. 96003AA**
Monitors indoor air quality | Sensor for the Xcell QVI | Surface mounting | 80mm (w) x 120mm (h) x 31 (d)

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	Xcell 300QVI
Reference number	92465AW
Electrical power rating 3/2/1	130 / 61 / 33
Performance (m³/h) 3/2/1	260 / 160 / 90
Specific fan power (W/l/s - Specific fan power is subject to system design resistance)	0.6
Max sound pressure 3/2/1 (dB(A)@3m)	44 / 34 / 29
Guarantee (years)	5 *

* 5 years on motor - 2 years on other parts

Xcell 400QVI

Mechanical ventilation with heat recovery and summer bypass



Key Features

- SAP Appendix Q listed
- Part L and EST Best Practice compliant
- Four top entry connection spigots
- Constructed from a highly insulated EPP lightweight material
- High efficiency counterflow cell up to 91% efficient
- G4 filters fitted
- Controller required

The Range

Xcell 400QVI units are designed for modern airtight buildings and are ideal for 4-5 bedroom houses and larger apartments. They incorporate a high efficiency heat recovery counter flow cell for heat recovery of up to a 91%, EC ultra low energy motors and G4 filters. The three intake connection spigots located on the top of the unit make the unit ideal for locating in a loft void.

The units have three speeds and benefit from winter defrost cycle, filter and motor inspection indicators and the facility for automatic control by a combination of humidistats, CO2 or smoke sensors. The QVI benefits from summer bypass, cold home guard and computer BMS compatibility.

Controls



QV QRFT RF Transmitter **Ref. 96007AA**
Remote manual speed controller | Up to 6 can be used | Surface mounting



QRFR RF Receiver **Ref. 96006AA**
RF receiver unit for use with RF transmitters | 1 per MVHR unit required



QV QCO2 indoor air quality **Ref. 96003AA**
Monitors indoor air quality | Sensor for the Xcell QVI | Surface mounting | 80mm (w) x 120mm (h) x 31 (d)

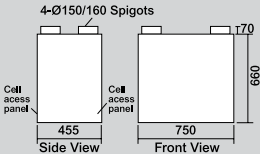
Models

Xcell 400QVI **Ref. 92478AW**
Multi speed heat right hand recovery unit with summer bypass, cold home guard and is computer and BMS compatible

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	Xcell 400QVI
Reference number	92478AW
Electrical power rating	3 / 2 / 1
Max. performance (FID, m³/h)	460
Specific fan power (W/l/s - Specific fan power is subject to system design resistance)	0.7
Max. performance (m³/h @100Pa)	410
Max. sound pressure (dB(A)@3m)	3 / 2 / 1
Guarantee (years)	5 *

* 5 years on motor - 2 years on other parts

Xcell Stratum Q & QVI

Compact, lightweight, low profile horizontal heat recovery unit

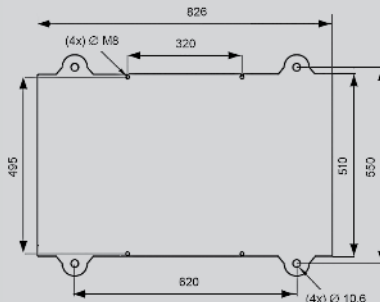


The Range

Xcell Stratum heat recovery units are compact, low profile and extremely installer friendly, being much lighter to handle than metal cased units. The B1 rated EPP structural material has a high U value, so no cold bridging and features integral fixing points for simple loft or ceiling mounting. Available in three variable speed performance models with winter defrost, summer bypass and multiple control feature options.

Dimensions (mm)

Model	Height
Stratum 120	240mm
Stratum 105	170mm
Stratum 155	240mm
Stratum 275	305mm



Key Features

- Compact and lightweight EPP design
- 105, 155 and 275m³/h performance model range
- Long life, low energy Ultra EC constant volume motors
- High efficiency F5 G4 filters fitted
- Heat recovery efficiency 88% - 90%
- Integral programmable digital multiple speed control unit
- Frost protection function and winter defrost
- Suitable for ceiling or loft mounting
- 100% summer bypass on 155 and 275 models
- Built in timer
- Filter access without tools
- SAP Appendix Q listed (S120Q only)

Models

Xcell Stratum S120Q

Ref. 92923AW

Multi speed performances up to 185m³/h | Recuperator efficiency up to 90% | Four 125mm diameter spigots | 20mm diameter condensation drain

Xcell Stratum S105QVI

Ref. 92919AW

Multi speed performances up to 105m³/h | Factory settings 50, 70 & 90m³/h | Minimum setting 30m³/h | Recuperator efficiency up to 88% | Four 125mm diameter spigots | 20mm diameter condensation drain

Xcell Stratum S155QVI

Ref. 92920AW

Multi speed performances up to 155m³/h | Minimum setting 30m³/h | Recuperator efficiency up to 88% | Four 125mm diameter spigots | 20mm diameter condensation drain

Xcell Stratum S275QVI

Ref. 92921AW

Multi speed performances up to 275m³/h | Factory settings 100, 155 & 200m³/h | Minimum setting 30m³/h | Recuperator efficiency up to 90% | Four 160mm diameter spigots | 20mm diameter condensation drain

Ancillaries

See pages 72-87

Product Selector

	S120Q	S105QVI	S155QVI	S275QVI
Reference number	92923AW	92919AW	92920AW	92921AW
Motor type	EC	EC	EC	EC
Maximum supply / extract performance (FID, m ³ /h)	185	105	155	275
Maximum supply / extract performance (m ³ /h @100Pa)	170	30	30	50
Maximum system pressure (Pa)	-	70	120	170
Power usage maximum (W) 220-240V AC 50-60Hz	130	75	146	146
Efficiency (%)	90	88	88	90
Speeds (adjustable)	2	3	3	3
Speed control type	Multi programmable	Multi programmable	Multi programmable	Multi programmable
Noise (dB(A)@1m)	-	33/39/46	31/37/46	32/39/47
Spigot diameter (mm)	125	125	125	160
Installation orientation	Horizontal	Horizontal	Horizontal	Horizontal
Body material	EPP B1 Fire Rated	EPP B1 Fire Rated	EPP B1 Fire Rated	EPP B1 Fire Rated
Weight (kg)	10	9	10	12
UK Guarantee (years)	5 *	5 *	5 *	5 *

* 5 years on motor - 2 years on other parts

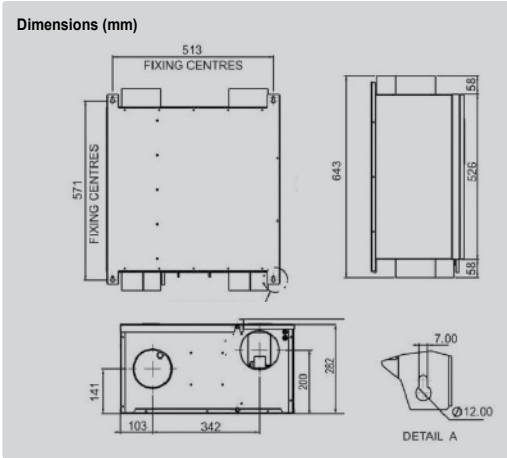
Xcell Compact XR

Horizontal compact heat recovery units for smaller dwellings



The Range

The Xcell Compact XR unit has been designed to provide mechanical ventilation with heat recovery efficiency of up to 91% in smaller dwellings. Performance optimised for two bedroom properties, this compact unit can also be used in residential buildings and light commercial applications such as offices, meeting rooms and hotel rooms.



Product Selector

Product Selector	Xcell Compact XR
Reference number	92849AA
Motor type	EC
Maximum supply / extract performance (FID, m³/h)	159
Maximum supply / extract performance (m³/h @100Pa)	127
Maximum system pressure (Pa)	337
Power usage maximum (W) 220-240V AC 50-60Hz	30.3
Specific fan power (maximum W/l/s - Specific fan power is subject to system design resistance)	0.68
Maximum efficiency (%)	91
Speeds	Variable
Speed control type	0-10Vdc
Sound power (L _{WA} (dB)@Full Speed FID)	43.5
Spigot diameter (mm)	125
Installation orientation	Horizontal
Body material	Galvanised Steel
Weight (kg)	21
UK Guarantee (years)	5 *

Key Features

- Part L and EST Best Practice compliant
- SAP Appendix Q listed
- Heat recovery efficiency up to 91%
- Specific fan power as low as 0.46 W/l/s
- Long life, low energy use EC motors
- 100% variable speed control
- High performance backward curved impellers
- Built-in frost protection function
- High efficiency G4 filters fitted
- Controller required

Models

Xcell Compact XR **Ref. 92849AA**
Slimline insulated steel case with sealed access panel | Suitable for ceiling or loft mounting in confined spaces | High efficiency counterflow heat recovery cell | Centrifugal inlet fans for quiet performance | 100% variable speed selection at installation to meet required volume/duty of the dwelling in accordance with Building Regulations Part F1 | Fitted with 125mm spigots

Application	Flow rate (l/s)	Specific Fan Power (W/l/s)	Heat recovery efficiency
Kitchen + 1 wet room	15	0.46	91%
Kitchen + 2 wet rooms	21	0.48	90%
Kitchen + 3 wet rooms	27	0.54	89%
Kitchen + 4 wet rooms	33	0.66	88%

Ancillaries See pages 72-87

* 5 years on motor - 2 years on other parts

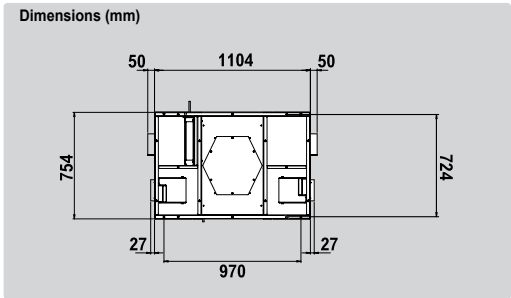
Xcell 200

Low profile hideaway heat recovery unit



The Range

Designed for smaller dwellings, the Xcell 200 is ideal for recess fitting in ceilings, cupboards or in lofts. It has multi speed fans which can be set according to the volume of the application.



Product Selector		Xcell 200
Reference number		91977AA
Maximum supply / extract performance (FID, m³/h)		284
Maximum supply / extract performance (m³/h @100Pa)		228
Maximum system pressure (Pa)		350
Spigot size (mm)		Ø150
Summer bypass		■
Specific fan power (maximum W/l/s)		3.4*
Number of speed options		4
Speed control type		Tapped motor
Maximum sound pressure (dB(A)@3m)	high / low	38 / 30
Power (W) 220-240V AC 50-60Hz	high / low	268 / 141
Installation orientation		Horizontal
Weight (kg)		40
Guarantee (years)		2

*Specific fan power is subject to system design resistance.

Key Features

- High efficiency counterflow heat recovery cell (90%)
- Four 150mm Ø extract spigots
- Top or bottom access
- Fresh air intake and dwelling extract filters (EU4)
- 1m length 12mm Ø (O/D) plastic condensate tubing supply
- Complete with 4 speed tapped motor
- 2 speeds can be selected on installation
- Includes 2 speed controller

Models

Xcell 200

Ref. 91977AA

Slimline insulated steel case with sealed access panel | Suitable for ceiling or loft mounting in confined spaces | High efficiency counterflow heat recovery cell with up to 90% efficiency depending on volume setting | Multi-speed double inlet centrifugal fans for whisper quiet performance. Speeds are selected at installation based on the required volume/duty of the dwelling in accordance with Building Regulations Part F1 | A remotely fitted low/boost switch is provided with the unit | Xcell filters | Hygienic anti-bacterial condensate tray and outlet | 150mm diameter circular spigots | Cardboard frame with EU 4 pleated media panel | Condensate rates: Typical 0.65 l/h, max 1.3 l/h

Ancillaries

See pages 72-87

Xcell 600 / 600BP

Low profile heat recovery units for commercial applications



Key Features

- Up to 70% thermal efficiency
- Bottom access
- 200mm Ø circular spigots
- Multi-room extract spigot option
- Remote mounted speed selector included
- Low profile design for ceiling/floor voids
- Backward curved fans
- Acoustically lined
- Integral slotted mounting points
- Variable duty curves

The Range

Designed for the larger property, the Xcell 600 provides high performance and excellent heat recovery efficiency featuring multi-speed fans chosen for their quiet operation and proven reliability. The heat recovery cell is a high efficiency design having a typical energy recovery rate of 70% and is fitted with two heavy duty filters, and an anti-bacterial stainless steel outlet on condensate tray.

The Xcell 600BP has a built-in motorised summer 100% bypass which uses cool summer evening air to give 'free' cooling when the outside air temperature is lower than indoors. A remotely positioned speed selector is provided with the unit.

Models

Xcell 600

Ref. 92002AA

Slimline insulated steel case with sealed access panel | Suitable for ceiling or loft mounting | High efficiency crossflow heat recovery cell with up to 70% efficiency depending on volume setting | Multi-speed double inlet centrifugal fans for quiet performance | Speeds are selected at installation based on the required volume/duty of the dwelling in accordance with Building Regulations Part F1 | A remotely fitted low/boost switch is provided with the unit | Xcell filters | Hygienic anti-bacterial condensate tray and outlet | 200mm diameter circular spigots | Cardboard frame with EU 4 pleated media panel | Condensate rates: Typical = 1.2 l/h, max = 2.4 l/h

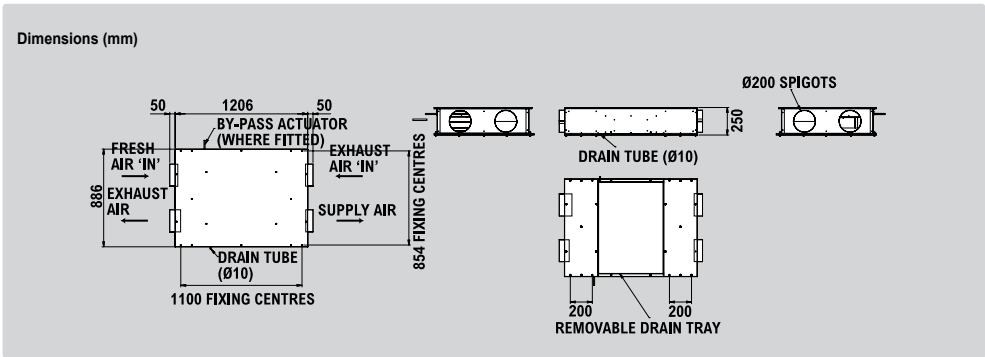
Xcell 600BP

Ref. 92003AA

As Xcell 600 | Plus built-in motorised summer bypass

Ancillaries

See pages 72-87



Product Selector	Xcell 600	Xcell 600BP
Reference number	92002AA	92003AA
Spigot size (mm)	200	200
Summer bypass		■
Efficiency (maximum %)	70	70
Number of speed options	6	6
Maximum supply/extract performance (m³/h @100Pa)	525	525
Maximum sound pressure (dB(A)@3m) high / low	34 / 28	34 / 28
Weight (kg)	42	42
Guarantee (years)	2	2

Xcell 700 / 1200 / 1500 / 2000 EC HE

Horizontal low profile heat recovery units for commercial applications



The Range

The Xcell EC high efficiency range of energy recovery ventilation units builds on the success of Xpelair’s customised solutions incorporating energy efficient performance and modern control technologies.

This range of Xcell energy recovery units reduces heating and cooling requirements by up to 94% compared to conventional fan only ventilation systems, ensuring minimal energy wastage. The integral demand controlled ventilation feature further reduces energy consumption whilst optimising indoor air quality.

Manufactured from high quality 25mm double skinned panels, thermally and acoustically insulated to reduce noise breakout.

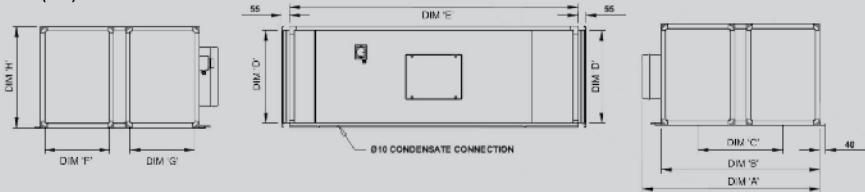
Key Features

- Compact low profile horizontal design
- Counterflow recuperator giving up to 94% energy recovery – Eurovent certified
- Ultra efficient EC motors with backward curved impellers for increased efficiency and reduced running costs
- Bottom and side access for ease of maintenance
- G4 filters fitted on supply and extract
- BMS compatible, integrated demand control ventilation
- A comprehensive range of control sensors to suit application

Models

Xcell 700 Designed to operate at airflows up to 700 m³/hr	Ref. 92771AA
Xcell 1200 Designed to operate at airflows up to 1200 m³/hr	Ref. 92772AA
Xcell 1500 Designed to operate at airflows up to 1500 m³/hr	Ref. 92773AA
Xcell 2000 Designed to operate at airflows up to 2200 m³/hr	Ref. 92774AA
Ancillaries	See pages 72-87

Dimensions (mm)



Dimensions (mm)								
Model	A	B	C	D	E	F	G	H
Xcell 700	900	780	420	290	1570	300	300	350
Xcell 1200	1239	1100	590	290	1860	450	450	350
Xcell 1500	1230	1100	590	490	2000	450	450	550
Xcell 2000	1230	1100	590	640	2000	450	450	700

Product Selector	Xcell 700	Xcell 1200	Xcell 1500	Xcell 2000
Reference number	92771AA	92772AA	92773AA	92774AA
Maximum control (Volts)	10	10	10	10
Maximum airflow (l/s)	160	308	370	520
Maximum static pressure (Pa)	150	150	150	150
Maximum run current (A)	1.37	6.2	5.6	6.3
Maximum unit power (W)	340	920	920	1040
Maximum SFP (W/l/s)	2.13	2.99	2.49	2.00
Max. case breakout noise (dB(A)@3m)	36	47	47	44
Weight (kg)	100	145	182	190
UK Guarantee (years)	5*	5*	5*	5*

* 5 years on motor - 2 years on other parts

Xcell 700WP / 1200WP / 1500WP / 2000WP EC HE

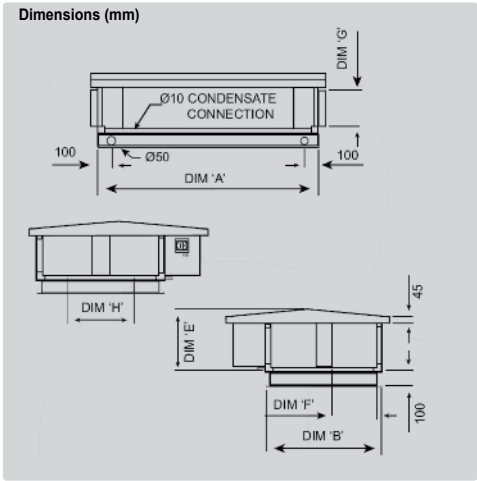
Horizontal hooded heat recovery units for outdoor applications



The Range

The Xcell WP range of heat recovery ventilation units offers the same high performance as the equivalent EC HE models but they are factory fitted with pitched roof for mounting externally. The units feature two channel base rails, a fully protected control enclosure and intake louvre /exhaust cowl for weather protection.

Dimensions (mm)



Key Features

- High performance outdoor heat recovery range
- Factory fitted with pitched roof
- Two channel base rails fitted
- Fully protected control enclosure
- Weather protection intake louvre and exhaust cowl fitted

Models

Xcell 700WP Ref. 92757AA

External weather protected unit designed to operate at airflows up to 700 m³/hr

Xcell 1200WP Ref. 92758AA

External weather protected unit designed to operate at airflows up to 1200 m³/hr

Xcell 1500WP Ref. 92759AA

External weather protected unit designed to operate at airflows up to 1500 m³/hr

Xcell 2000WP Ref. 92760AA

External weather protected unit designed to operate at airflows up to 2200 m³/hr

Ancillaries

See pages 72-87

Model	Dimensions (mm)							
	A	B	C	D	E	F	G	H
Xcell 700WP	1570	780	1670	1100	420	300	290	420
Xcell 1200WP	1860	1100	1960	1420	420	450	290	590
Xcell 1500WP	2000	1100	2100	1420	620	450	490	590
Xcell 2000WP	2000	1100	2100	1420	770	450	640	590

Product Selector	Xcell 700WP	Xcell 1200WP	Xcell 1500WP	Xcell 2000WP
Reference number	92757AA	92758AA	92759AA	92760AA
Maximum control (Volts)	10	10	10	10
Maximum airflow (l/s)	160	308	370	520
Maximum static pressure (Pa)	150	150	150	150
Maximum run current (A)	1.37	6.2	5.6	6.3
Maximum unit power (W)	340	920	920	1040
Maximum SFP (W/l/s)	2.13	2.99	2.49	2.00
Max. case breakout noise (dB(A)@3m)	36	47	47	44
Weight (kg)	134	190	223	261
UK Guarantee (years)	5*	5*	5*	5*

* 5 years on motor - 2 years on other parts

Muro XHRM

Through the wall single room dMEV heat recovery ventilators



Key Features

- Long life, low energy DC constant volume motors for both air intake and extract
- Integral display for fan speed selection and filter/fault function
 - continuous operation mode option
- Built-in frost protection function
- Removable front fascia for easy access to filters for cleaning
- Automatic defrost function prevents freezing
- Condensate drain provided to outside of the property
- EPP square wall set
- Control options: integral air quality sensor or wireless RF

The Range

Muro is an efficient through the wall heat recovery ventilation unit for single room and dMEV system applications in both residential and commercial build sectors.

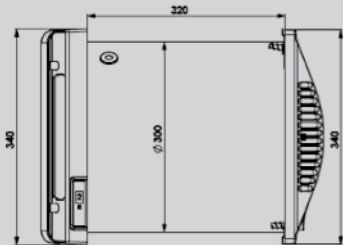
Muro units incorporate an 80% efficient counterflow heat exchanger which minimises heat loss, as stale air is exhausted, to improve room air quality. The quiet running, low energy DC motors enable the unit to be installed in bedrooms which extends application to include commercial hotel and healthcare installations.

Models

Muro XHRM **Ref. 92922AW**
Four speed performances up to 55m³/h | Extract/supply performance speeds 15, 30, 45 & 55m³/h | Recuperator efficiency up to 83% | 20mm diameter condensation drain

Ancillaries See pages 72-87

Dimensions (mm)



ACS WJR RF controller and sensor **Ref. 96051AA**



AQ DL 50 Air quality/humidity sensor **Ref. 96050AA**

For central control using RF radio frequency to control multiple units.

Air quality/humidistat sensor providing infinitely variable control between 10-45 m3/h.

Wall Sleeve Extension **Ref. 96760UK**

Product Selector	Muro XHRM
Reference number	92922AW
Motor type	DC
Maximum supply / extract performance (FID, m³/h)	15, 30, 45 & 55
Power usage maximum (W) 220-240V AC 50-60Hz	3.5, 9, 17 & 25
Efficiency (%)	80- 83
Speeds	4
Speed control type	Integral
Sound Pressure (dB (A) @ 1m) Speeds 1,2,3 & 4	14, 29, 36 & 42
Wall cut out (mm)	320 x 320
Installation orientation	Horizontal
Wall sleeve material	EPP
Weight (kg)	4
UK Guarantee (years)	5

* 5 years on motor - 2 years on other parts

Solitair SRHRV

Through the wall single room heat recovery units



Key Features

- Best in class heat recovery of over 80%
- Triple filtration system
- Configured straight out of the box
- 2 speed operation (trickle and boost via humidistat)
- Large cable access (via knock out) for ease of wiring
- 4 screws only to mount to wall with slotted screw slots for ease of alignment
- Wipe clean baffle for easy maintenance and cleaning
- Very quiet operation
- Fits into existing 100mm (4") holes
- IPX 4 rated

The Range

The expertly engineered Solitair single room heat recovery unit utilises revolutionary Ghost™ Air Movement Technology for extremely quiet running.

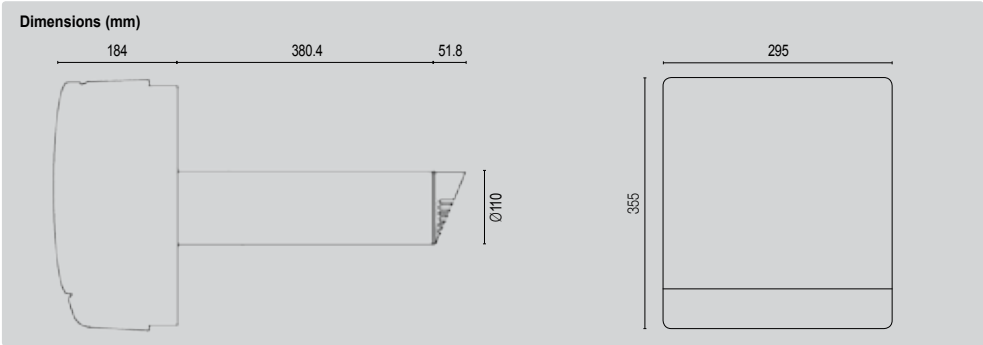
The Solitair is designed for 4"/100mm through wall ducted installation, making the unit ideal for bathroom, toilet, kitchen and utility room refurbishment applications.

Solitair utilises a unique cylindrical 'heat wheel' exchanger. The benefit of this method is that rotational speed is optimised (8 revs/min) to obtain maximum efficiencies.

Models

Solitair SRHRV **Ref. 92924AW**
Two speed performances up to 15l/sj Heat exchanger efficiency up to 80%

Ancillaries See pages 72-87



Product Selector		Solitair SRHRV
Reference number		92924AW
Motor type		EC
Extract performance (l/s)		6, 15
Power usage maximum (W) 220-240V AC 50-60Hz		9, 22
Thermal efficiency (%)		80%
Speeds		2
Installation orientation		Horizontal
Weight (kg)		5
UK Guarantee (years)		5

* 5 years on motor - 2 years on other parts

LoVolt XHR150

Single room heat recovery ventilators



The Range

Xpelair LoVolt XHR150 units can be installed quickly using a standard core drill. Suitable for domestic applications in bathrooms, utility rooms, bedrooms and living rooms. Also suitable for commercial applications such as hotels, offices and meeting rooms.

The XHR150 is the energy efficient alternative to extract ventilation and is an effective solution for damp problems associated with household condensation. XHR150 is more energy efficient than normal fans both in terms of heating and fan running costs. It also complies with current Building Regulations.

Key Features

- Two speed single room heat recovery ventilation unit
- Two models, standard and with pullcord override
- SELV safety LoVolt motor
- Very low running costs
- Up to 80% efficient heat recovery cell

Models

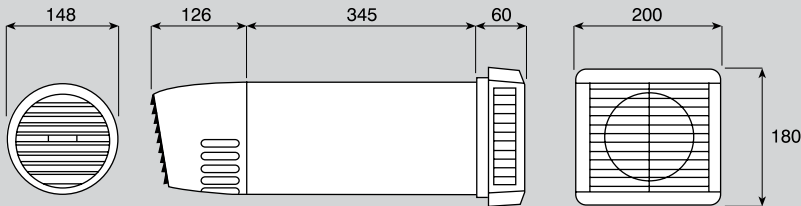
LoVolt XHR150PC **Ref. 90821AA**
Two speed trickle and pullcord boost operation | SELV safety LoVolt motor operation with separate SELV transformer | Tubular construction with integral air intake/outlet and wall bezel | Aluminium heat exchange cell | Fascia with built-in filters

LoVolt XHR150HP **Ref. 90820AA**
Built-in pullcord override switch for On/Off operation | SELV safety LoVolt motor operation with separate SELV transformer | Tubular construction with integral air intake/outlet and wall bezel | Aluminium heat exchange cell | Fascia with built-in filters | Remote adjustable set point type humidity sensor automatically switches to boost when a higher %RH is detected from showering etc. | Integral light sensor to prevent misuse operation at night

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector		XHR150PC	XHR150HP
Reference number		90821AA	90820AA
Integral pullcord		■	■
Automatic control from remote humidistat			■
Maximum efficiency (%)		80	80
Speeds		2	2
Extract performance (m³/h)	boost / trickle	31 / 12	31 / 12
Extract Performance (l/s)	boost / trickle	9 / 3	9 / 3
Sound pressure level (dB(A)@3m)	boost / trickle	41 / 21	41 / 21
Power (W)	boost / trickle	46 / 9	46 / 9
Hole diameter (mm)		152	152
Wall thickness range (mm)		229 - 356	229 - 356
UK Guarantee (years)		2	2

EverDri XEDL

Long life Ultra DC positive pressure ventilation units



Key Features

- Wholehouse positive input ventilation unit
- Four selectable speeds to suit house size
- Long life Ultra DC motor
- Low running costs
- Unit automatically optimises performance according to temperature

The Range

The EverDri system is based on a continuous supply of fresh, dry air into the home. This creates a positive pressure which forces moisture and contaminant laden air out through natural leakage points in the building. The long life, low energy DC motor contained in the system is permanently switched on and automatically temperature regulated to ensure continual air quality. Ultra DC motor means that very low running costs can be achieved while maintaining outstanding efficiency.

Models

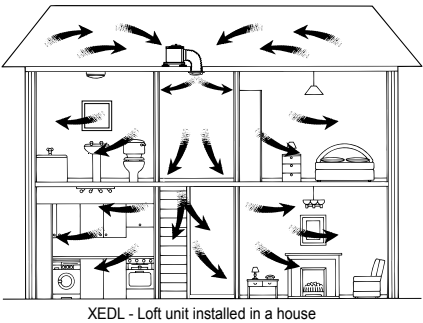
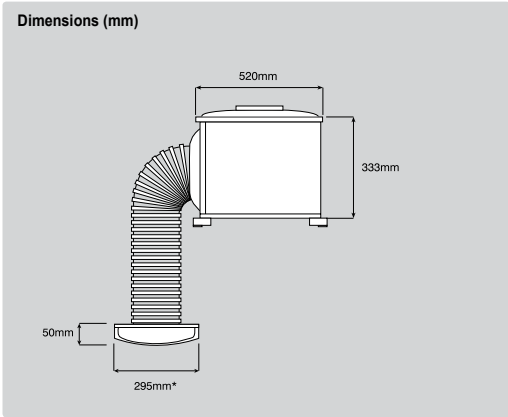
Xpelair XEDL

Ref. 90998AA

For installation in houses | Installed in the roof space and ducted to a neat diffuser which is fitted to the ceiling, usually over the stairwell | The unit draws dry air from the loft space taking advantage of solar gain which tempers the air | The Ultra DC motor is extremely efficient, providing very low running costs | The air is filtered and gently introduced through the ceiling diffuser

Ancillaries

See pages 72-87



Product Selector		XEDL
Reference number		90998AA
Loft spacing installation		■
Ducted		■
Supply Performance (m³/h)	5 / 4 / 3 / 2 / 1	259 / 216 / 173 / 130 / 86
Supply Performance (l/s)	5 / 4 / 3 / 2 / 1	72 / 60 / 48 / 36 / 24
Power (W)	5 / 4 / 3 / 2 / 1	17 / 13 / 10 / 7 / 4

Heating and Cooling Solutions

Xpelair's range of established heating and cooling products offers commercial solutions for shops, workshops, factories and offices. The range includes rapid response, high performance wall mounted fan heaters and Whispair ceiling sweep fans for cooling and heat destratification in the workplace.

The self contained Digitemp air conditioning and heating units complete the range offering, and with no need for an external condenser or umbilical connection is ideal for both home and office applications.

Digitemp WA & WHP

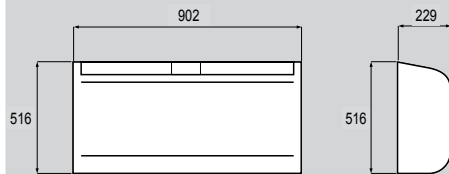
Comfort air conditioning and heating units



The Range

Digitemp offers all year climate control for homes and offices. The self-contained unit is ideal for use in the bedroom, living spaces and studies. The quiet and sleek unit is installed internally without the use of an unsightly outdoor condensing unit - making it particularly suitable for use in apartments and multi-storey locations where other systems require planning permission. The Digitemp is even suitable for some listed building applications. With no outdoor condensing unit to install and no gas connections, the unit is easy and quick to fit at high or low level. Installation can be done internally with the only sign of the system on the outside of the building being two discreet grilles. The WA210N and WA245N models provide cooling only, whereas the WHP210N and WHP245N provide the convenience of heating and cooling in a single unit.

Dimensions (mm)



Key Features

- Four model range
- Two cooling capacities (2.1kW or 2.45kW models)
- Each available in cooling only (WA models) or cooling with heating (WHP models)
- Revolutionary self contained design - no external condenser unit
- Delivers up to 2.6kW of cooling/heating energy for every 1kW of power used
- Highly efficient heat pumps consume only 40% of the electricity required by conventional electric heaters
- No specialist installation requirement - 13A electrical supply and no commissioning as unit is self contained

Models

Can operate in cooling, heating or dehumidification modes to maximise comfort | Easy installation from within the room - patented folding grille system eliminates the need for external access | Everything needed to fit the unit is supplied apart from a drill and Ø155mm core cutter | The electronic control system includes infrared remote control night function and automatic operation | Can be installed at high or low level for maximum flexibility and useable space | Economic and efficient, combining low power consumption when cooling with a high efficiency heating capacity | Uses a three speed fan including night mode for super-quiet operation | Factory sealed refrigerant system eliminates the need to connect hoses | Self-diagnostic programme for all maintenance requirements

Cooling and Dehumidification

Digitemp WA210N

2.1kW (cooling)

Ref. 92721AA

Digitemp WA245N

2.45kW (cooling)

Ref. 92722AA

Cooling, Heating and Dehumidification

Digitemp WHP210N

2.1kW (cooling) and 1.9kW (heating)

Ref. 92723AA

Digitemp WHP245N

2.45kW (cooling) and 2.03kW (heating)

Ref. 92724AA

Ancillaries

See pages 72-87

Product Selector	WA210N	WA245N	WHP210N	WHP245N
Reference Number	92721AA	92722AA	92723AA	92724AA
Cooling capacity (kW)	2.1	2.45	2.1	2.45
Heating capacity (kW)			1.9	2.03
EER (Energy Efficiency Ratio)	2.66	2.66	2.23	2.23
COP (Coefficient of Performance)			2.64	2.61
Max. absorbed power rating (W)	930	1320	930	1320
Dehumidification capacity (l/h)	1.0	1.2	1.0	1.2
Energy efficiency class (cooling)	A	C	A	C
Energy efficiency class (heating)			C	F
Room air volume (m³/h)	350	390	350	390
Fan speed settings	3	3	3	3
Max. noise levels dB(A)	37	39	37	39
Refrigerant type	R410a	R410a	R410a	R410a
Max. range of infrared remote control (m)	8	8	8	8
Power supply (V)	230	230	230	230
Power supply (Hz)	50	50	50	50
UK Guarantee (years)	1	1	1	1
Weight (kg)	40	40	40	40

WH30, WH60 & WHP30

Commercial wall mounted fan heaters



The Range

The Xpelair WH range of space wall heaters are tough, compact and have stood the test of time to remain market leaders. The WHP30 is suitable for commercial applications such as shops, offices, domestic workshops and conservatories. WH30 and WH60 models provide robust and rugged heating solutions suitable for the most demanding industrial environments.

Key Features

- 3 models available (WHP30, WH30 & WH60)
- Commercial and industrial applications
- Complete with mounting brackets
- Incorporates thermal safety cut-out
- WHP30 & WH30 controlled by HC301 On/Off and thermostatic controller

Models

Xpelair WH30 **Ref. 98392AC**
 3kW industrial fan heater | Compact wall-hung design | Heavy duty steel casing with die cast aluminium guards | Spiral wound Nichrome wire element | Metal wall bracket | Multi directional positioning -180° horizontal swivel and 45° vertical tilt then locked in position | Wall bracket cover | Double safety feature of thermal cut-out with auto reset and one shot fusible link | Single phase product | For cool air circulation facility and thermostatic heating control, use HC301 controller (not supplied)

Xpelair WH60 **Ref. 00147AC**
 6kW industrial fan heater | Wall or ceiling mounting with multi directional positioning - 180° horizontal swivel and 45° vertical tilt then locked in position | Suitable for single and three phase supplies | Operated by remote switch (not supplied)

Xpelair WHP30 **Ref. 89999AW**
 3kW commercial fan heater | Fan heater complete with HC301 thermostatic controller | Compact wall-hung design | Flame retardant polycarbonate / glass filled nylon casing | Spiral wound Nichrome wire element | Grey wall bracket | Multi-directional positioning - 180° horizontal swivel and 45° vertical tilt then locked in position | Double insulated with two thermal cut-outs | Finished in a white and grey casing | Single phase product | For cool air circulation facility and thermostatic heating control use, HC301 controller (included)

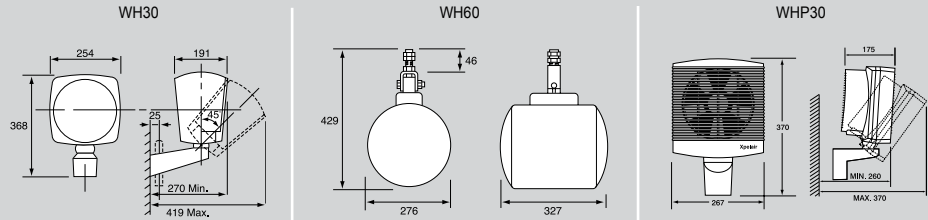


Controller HC301 **Ref. 21877AW**
 On/Off switch | Fan only/fan and heater options | Variable thermostatic control | w210 x h86 x d41mm

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	WH30	WH60	WHP30
Reference number	98392AC	00147AC	89999AW
Remote switch (not supplied)	■	■	
Electrical power (kW)	3	6	3
Phase	1	1 or 3	3
Air delivery (m³/h)	274	311	300
Air delivery (l/s)	76	86	83
Temperature increase (°C)	26	45	30
Weight (kg)	5	6.5	2.9
UK Guarantee (years)	1	1	1

DCH3000A

Commercial wall mounted fan heaters



The Range

The wall fitted DCH3000A fan powered heater circulates instant warmth into a room and is suitable for a variety of commercial applications including hallways, offices, pubs, restaurants, shops, hotel rooms and any busy area where reliable, comfortable heat is required.

The heater offers a choice of three heat outputs and can be automatically regulated using the built-in thermostatic control.

For all year round comfort, the heater becomes a circulation fan at the flick of a switch.

Key Features

- Three heat settings
- Adjustable thermostatic control
- Summer air circulation option

Models

DCH3000A

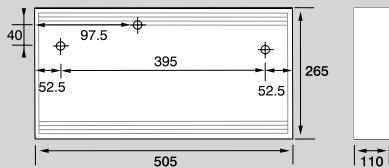
Ref. 90792AW

3kW wall mounted heater with circulation fan | Three heat settings - 1kW, 2kW and 3kW | Adjustable energy saver temperature sensor control regulates heat output | Easy installation and simple operation

Ancillaries

See pages 72-87

Dimensions (mm)



Product Selector	DCH3000A
Reference number	90792AW
Thermostatic control	■
Electrical power (kW)	3
No. of heat settings	3
Phase	1
Air delivery (m³/h)	115
Air delivery (l/s)	32
Colour	Brown/beige
Weight (kg)	4.5
UK Guarantee (years)	1

Whispair

Commercial ceiling sweep fans



The Range

Designed to provide a cool circulation of air during warm periods and as heat destratification units in winter to reduce heating costs. These commercial fans are designed for use in public buildings, shops, restaurants, village halls, farm buildings, factories, and other commercial buildings. Whispair are designed for use in hot and humid conditions for continuous operation at temperatures up to 40°C and are suitable for upward or downward airflow. The triple bladed units are available in four sizes with sweep diameters from 900 to 1500mm. Fan blades are steel and are supplied in matched sets. Supplied with a choice of two lengths of suspension rod giving overall drops of 375 or 750mm.

Key Features

- Four sizes (900mm, 1200mm, 1400mm & 1500mm Ø)
- Supplied with two down rods (375mm & 750mm)
- 6 unit controller available (WAC6)
- Auto temperature 10 unit controller available (AWC)

Models

NWAN36 **Ref. 90409AW**
900mm diameter sweep fan for cooling or destratification

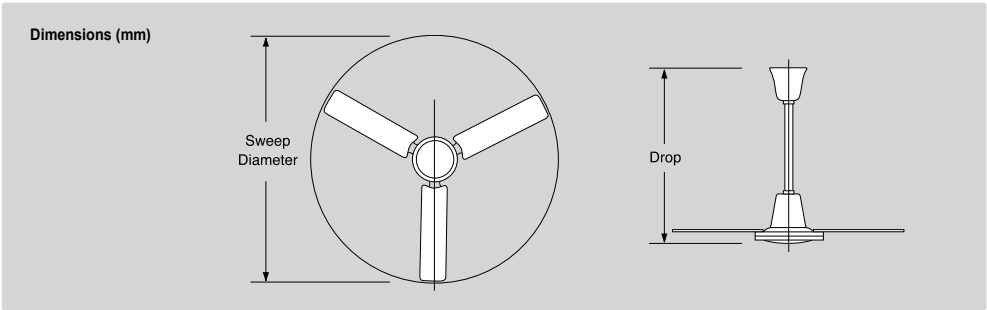
NWAN48 **Ref. 90410AW**
1200mm diameter sweep fan for cooling or destratification

NWAN56 **Ref. 90411AW**
1400mm diameter sweep fan for cooling or destratification

NWAN60 **Ref. 90412AW**
1500mm diameter sweep fan for cooling or destratification

Ancillaries See pages 72-87

Dimensions (mm)				
Model	NWAN 36	NWAN 48	NWAN 56	NWAN 60
Sweep Diameter	900	1200	1400	1500
Overall Drop	All models, ceiling to bottom of fan: 375 or 750 (two down rods supplied)			



Product Selector	NWAN36	NWAN48	NWAN56	NWAN60
Reference number	90409AW	90410AW	90411AW	90412AW
Remote optional controllers available	■	■	■	■
Swept diameter (mm)	900	1200	1400	1500
Reversible operation	■	■	■	■
Maximum speed (rpm)	350	310	280	260
Air delivery (m³/h)	8761	10890	12474	13959
Air delivery (l/s)	2434	3025	3465	3878
Electrical power rating (W)	50	65	65	65
Overall drop options (mm)	375 / 750	375 / 750	375 / 750	375 / 750
Weight (kg)*	6.5	6.5	6.5	6.5
UK Guarantee (years)	1	1	1	1

*All models 6.5kg with marginal weight variance according to sweep diameter

Commercial Systems

Xpelair's commercial system fan offering has been designed to provide high performance ventilation and air management solutions to any industrial working environment - a necessity required by law to ensure that workers are operating in a safe and healthy workplace.

Axial plate, cased and inline fan ranges are available for through wall, roof and ducted applications with motor set performances to meet current ErP compliance. Commercial system ventilation fans are supported by a full range of compatible controllers, ducting and grille ancillaries to complete installation.

Rapier XRA

Axial roof fans



The Range

The XRA is a versatile range of three compact and efficient industrial roof axial fans featuring external rotor motors and high pressure axial blade impellers. The fans are suitable for roof extract applications in commercial, agricultural and high performance industrial installations including kitchens, factories, garages and warehouses.

The cowl and base assemblies are made of tough and durable polymer that will resist exposure to ultraviolet light. The plate, bellmouth entry and finger-guard are manufactured in galvanised steel with a corrosion resistant powder coated finish and each of the units is fully speed controllable, except for XRA 315-12.

Key Features

- Manufactured from fibreglass with a gloss UV
- ErP compliant
- Plate and bellmouth: one piece galvanised steel pressing with corrosion resistant powder coat finish
- Fully speed controllable except XRA315-12
- Connection terminal box IPX4
- Suitable for ambient temperatures from -30°C to +60°C
- Supply voltage: 220-240V 50Hz

Models

XRA315-12
Ø315mm Plate mounted axial fan & roof cowl

Ref. 91997AA

XRA450-14
Ø450mm Plate mounted axial fan & roof cowl

Ref. 92000AA

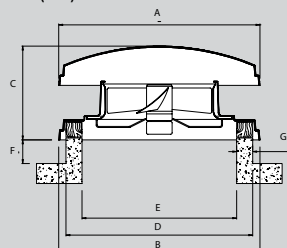
XRA630-16
Ø630mm Plate mounted axial fan & roof cowl

Ref. 91340AA

Ancillaries

See pages 72-87

Dimensions (mm)



Dimensions (mm)

Model	A	B	C	ØD	ØE	F	G
XRA315	737	737	368	650	450	100	100
XRA450	830	830	410	750	550	100	100
XRA630	1100	1100	608	990	790	100	100

Product Selector		XRA315-12	XRA450-14	XRA630-16
Reference number		91997AA	92000AA	91340AA
Fan blade diameter (mm)		315	450	630
No. poles		2	4	6
Nominal fan speed (rpm)		2650	1370	880
Extract performance (m³/s)	0Pa	1.00	1.56	3.16
	25Pa	0.96	1.48	2.71
	50Pa	0.93	1.36	2.40
	75Pa	0.90	1.19	
	100Pa	0.88		
	125Pa	0.84		
Sound pressure level (dB(A)@3m)		61	58	59
Max. electrical power rating (kW)		0.13	0.36	0.6
Electrical current FLC (A)		2.1	1.6	2.7
Electrical current SC (A)		6	3.6	5.3
5 step-speed controller			91368AA	91368AA
Electronic speed controller				
Includes XRC roof cowl		■	■	■
UK Guarantee (years)		2	2	2

Rapier XPMa

Plate mounted axial fans



The Range

A range of cast aluminium aerofoil blade section plate fans which now extends from 315mm to 710mm. The range has also been extended to include 4 and 6 pole versions. Rapier plate fans are suitable for wall mounting and short duct in larger areas in commercial, agricultural and high performance industrial installations including kitchens, factories and warehouses.

The wall plate with bellmouth entry is manufactured in pressed steel with a corrosion resistant powder coated finish. For safety the front is protected by a robust finger-guard. All units are fully speed controllable.

Key Features

- Plate and bellmouth - one piece galvanised pressing with corrosion resistant two stage powder coated RAL 9005 finish
- ErP compliant
- Steel finger-guard to EN 294
- Fully speed controllable except XPMa 315-12
- Class F insulation
- Can be installed at any angle
- Suitable for ambient temperatures of -30 to +60°C
- Supply 220-240V 50Hz

Product Selector		XPMa315-12	XPMa450-14	XPMa500-14
Reference number		91540AA	91547AA	91049AA
Fan blade diameter (mm)		315	450	500
Number of poles		2	4	4
Nominal fan speed (rpm)		2650	1370	1290
Extract performance (m³/s)	0Pa	1.06	1.75	2.24
	25Pa	1.02	1.64	2.12
	50Pa	0.99	1.53	1.97
	75Pa	0.95	1.81	
	100Pa	0.92	1.18	1.60
	125Pa	0.88		1.26
	150Pa	0.84		
	175Pa	0.79		
Sound pressure level (dB(A) @3m)		61	58	60
Max. electrical power rating (W)		470	360	510
Electrical current FLC (A)		2.1	1.6	2.3
Electrical current SC (A)		6	3.6	4.3
5 step-speed controller			91368AA	91367AA
Electronic speed controller				
Guarantee (years)		2	2	2

Models

XPA315-12 Ref. 91540AA
Ø315mm Plate mounted axial fan

XPA450-14 Ref. 91547AA
Ø450mm Plate mounted axial fan

XPA500-14 Ref. 91049AA
Ø500mm Plate mounted axial fan

XPA450-16 Ref. 91548AA
Ø450mm Plate mounted axial fan

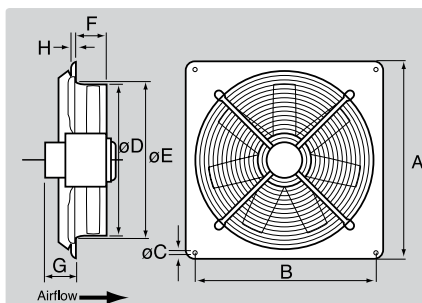
XPA560-16 Ref. 91551AA
Ø560mm Plate mounted axial fan

XPA630-16 Ref. 91050AA
Ø630mm Plate mounted axial fan

XPA710-16 Ref. 91553AA
Ø710mm Plate mounted axial fan

Ancillaries

See pages 72-87



Dimensions (mm)								
Model	A	B	C	ØD	ØE	F	G	H
XPA315	430	380	9	320	328	69	24	11
XPA450	575	535	11	463	480	96	28	14
XPA500	655	615	11	517	528	104	77	16
XPA560	725	675	11	568	589	119	60	16
XPA630	805	750	11	643	670	130	64	20
XPA710	850	810	14.5	720	763	150	37	20

Product Selector		XPA450-16	XPA560-16	XPA630-16	XPA710-16
Reference number		91548AA	91551AA	91050AA	91553AA
Fan blade diameter (mm)		450	560	630	710
No. poles		6	6	6	6
Nominal fan speed (rpm)		930	880	880	850
Extract performance (m ³ /s)	0Pa	1.18	2.47	3.35	4.56
	25Pa	1.04	2.22	3.08	4.31
	50Pa	0.79	1.93	2.77	3.89
	75Pa		1.50	2.34	3.47
	100Pa				
	125Pa				
	150Pa				
	175Pa				
Sound pressure level (dB(A) @3m)		49	55	59	61
Max. electrical power rating (W)		170	430	600	890
Electrical current FLC (A)		0.75	1.95	2.7	4.1
Electrical current SC (A)		1.5	4.6	5.3	8
5 step-speed controller		91367AA	91368AA	91368AA	91369AA
Electronic speed controller		89903AA			
Guarantee (years)		2	2	2	2

Rapier XSCA

Short case axial fans



The Range

Xpelair XSCA is a high performance range of three compact and efficient industrial aerofoil axial cased fans featuring external rotor motors and high pressure axial blade impellers. Suitable for medium pressure, low noise ducted applications in commercial, agricultural and high performance industrial installations including kitchens, factories and warehouses. The casing is manufactured in galvanised steel with a corrosion resistant powder coated finish and the terminal box is IP54, making it suitable for external applications. All units are fully speed controllable.

Key Features

- **Casing: compact and robust construction with corrosion resistant powder coated finish to RAL9005 - black**
- **ErP compliant**
- **Fully speed controllable**
- **Protected to IP54**
- **Suitable for ambient temperatures from -30°C to +60°C**
- **Supply voltage: 220 -240V 50Hz**

Product Selector	XSCA450-16	XSCA560-16	XSCA630-16
Reference number	91592AA	91594AA	91595AA
Fan blade diameter (mm)	450	560	630
No. poles	6	6	6
Nominal fan speed (rpm)	930	880	880
Extract performance 0Pa (m³/s) 25Pa 50Pa 75Pa 100Pa 125Pa 150Pa 175Pa	1.18	2.47	3.35
	1.04	2.22	3.08
	1.03	2.77	3.89
		2.34	3.47
Sound pressure level (dB(A) @3m)	49	55	59
Max. electrical power rating (W)	170	430	600
Electrical current FLC (A)	0.75	1.95	2.7
Electrical current SC (A)	1.5	4.6	5.3
5 step-speed controller	91367AA	91368AA	91368AA
Electronic speed controller	89903AA		
Guarantee (years)	2	2	2

Models

XSCA450-16
Ø450mm Short case axial fan

Ref. 91592AA

XSCA630-16
Ø630mm Short case axial fan

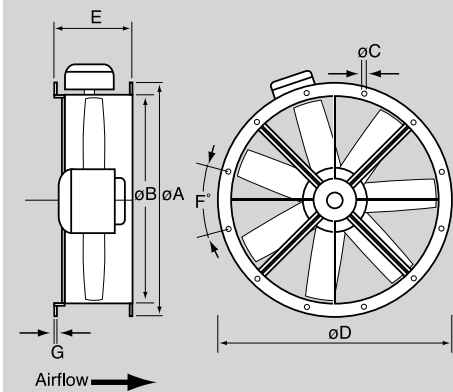
Ref. 91595AA

XSCA560-16
Ø560mm Short case axial fan

Ref. 91594AA

Ancillaries

See pages 72-87



Dimensions (mm)							
Model	A	B	C	ØD	ØE	F	G
XSCA450	515	451	9.5	487	160	12 x 30°	6
XSCA560	635	559	11.5	605	210	16 x 22.5°	8
XSCA630	707	634	11.5	674	220	16 x 22.5°	8

XID
Centrifugal metal inline fans



The Range

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

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 fan unit is speed controllable to offer flexibility and individual control.

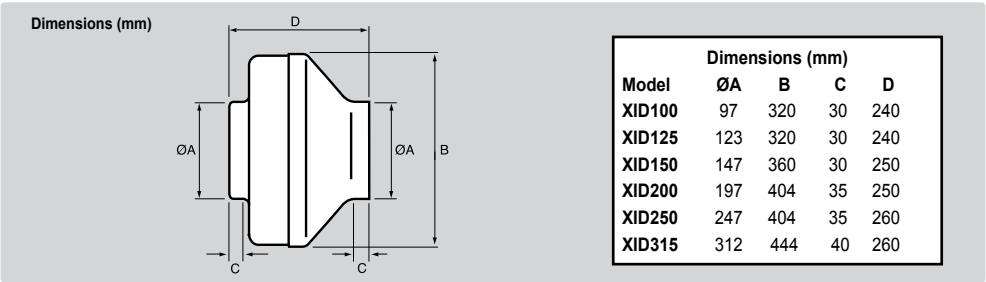
Key Features

- Compact and robust zintec steel construction
- ErP compliant
- Can be mounted at any angle
- Universal mounting bracket supplied
- Insulation Class F
- Fitted with safety thermal overload protection - protected to IPX2
- Supply voltage: 220-240V 50Hz

Models

XID100	Ref. 90101AA
Metal inline fan (Ø100mm duct)	
XID125	Ref. 90102AA
Metal inline fan (Ø125mm duct)	
XID150	Ref. 90103AA
Metal inline fan (Ø150mm duct)	
XID200	Ref. 90104AA
Metal inline fan (Ø200mm duct)	
XID250	Ref. 90208AA
Metal inline fan (Ø250mm duct)	
XID315	Ref. 90106AA
Metal inline fan (Ø315mm duct)	

Ancillaries See pages 72-87



Product Selector	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 (m³/s)	0Pa	0.08	0.11	0.17	0.29	0.34
	100Pa	0.06	0.09	0.12	0.23	0.29
	200Pa	0.04	0.06	0.07	0.17	0.24
	300Pa	0.01	0.03	0.02	0.12	0.17
	400Pa				0.08	0.11
	500Pa				0.02	0.04
	600Pa					
	700Pa					
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
UK Guarantee (years)	2	2	2	2	2	2

XIDP

Centrifugal plastic inline fans



The Range

The XIDP range of centrifugal inline fans provide the ideal ventilation solution for many exposed and high humidity applications. The casing is both impact and fire resistant and a mounting foot is provided for fast and easy installation.

Available in six popular sizes the range is compatible with Xpelair Xflex ducts and ventilation components. Suitable for applications where the units will be seen, in many commercial kitchens and showering areas subject to unit siting conditions.

Key Features

- Compact and robust polymer construction with integral terminal box and guide-vanes
- ErP compliant
- Can be mounted at any angle using the universal mounting bracket supplied
- Impeller is backward curved centrifugal type
- Supply voltage: 220-240V 50Hz
- IPX2 rated

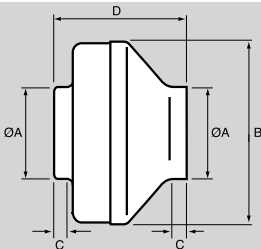
Models

XIDP100 Plastic inline fan (Ø100mm duct)	Ref. 91383AA
XIDP125 Plastic inline fan (Ø125mm duct)	Ref. 91384AA
XIDP150 Plastic inline fan (Ø150mm duct)	Ref. 91385AA
XIDP200 Plastic inline fan (Ø200mm duct)	Ref. 91386AA
XIDP250 Plastic inline fan (Ø250mm duct)	Ref. 91387AA
XIDP315 Plastic inline fan (Ø315mm duct)	Ref. 91388AA

Ancillaries

See pages 72-87

Dimensions (mm)



Dimensions (mm)				
Model	ØA	B	C	D
XIDP100	99	288	30	247
XIDP125	124	288	30	247
XIDP150	149	379	30	230
XIDP200	199	379	30	230
XIDP250	249	379	30	230
XIDP315	314	452	30	275

Product Selector	XIDP100	XIDP125	XIDP150	XIDP200	XIDP250	XIDP315-16
Reference number	91383AA	91384AA	91385AA	91386AA	91387AA	91388AA
Spigot diameter (mm)	99	124	149	199	249	314
Extract performance (m³/s)	0Pa	0.07	0.10	0.15	0.22	0.38
	100Pa	0.05	0.08	0.11	0.18	0.33
	200Pa	0.03	0.05	0.08	0.14	0.27
	300Pa	0.01	0.01	0.03	0.11	0.21
	400Pa			0.08	0.11	0.14
	500Pa			0.03	0.06	0.09
	600Pa				0.01	0.05
Sound pressure level (dB(A)@3m)	24	25	25	28	31	41
Max. electrical power rating (W)	85	85	99	157	194	244
Weight (kg)	2.0	2.1	2.5	3.8	4.3	5.5
UK Guarantee (years)	2	2	2	2	2	2

Xpress XPRS

Centrifugal metal inline fans



The Range

The Xpress range redefines inline fan performance to provide ultra high pressure development, volume and efficiency allowing smaller ductwork to be used than conventional inline fans. The air management is so efficient that air turbulence noise and vibration associated with centrifugal inline fans is virtually eliminated. This impressive performance means that smaller ducts can be chosen with an energy use lower than most DC fans of the same performance. Xpress is no bigger in diameter than the ductwork in which it is mounted. No flanges are required; simply flexible connections. It comes with its own mounting foot which is factory fitted to eliminate on-site assembly.

Key Features

- High pressure inline mixed flow fans
- ErP compliant
- Steel housing with bellmouth entry
- Voltage speed controllable

Models

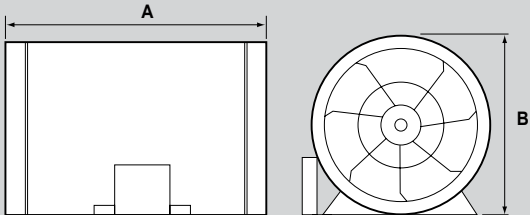
XPRS250 Ref. 91498AA
 Ø250mm High pressure mixed flow inline duct fan

XPRS355 Ref. 91500AA
 Ø355mm High pressure mixed flow inline duct fan

XPRS355+ Ref. 91501AA
 Ø355mm High pressure mixed flow inline duct fan

Ancillaries See pages 72-87

Dimensions (mm)



Dimensions (mm)		
Model	A	ØB
XPRS250	280	250
XPRS355	400	355
XPRS355+	400	355

Product Selector		XPRS250	XPRS355	XPRS355+
Reference number		91498AA	91500AA	91501AA
Extract performance (m³/s)	0Pa	0.49	0.73	1.36
	100Pa	0.44	0.59	1.31
	200Pa	0.38		1.25
	300Pa	0.13		1.14
	400Pa			1.04
	500Pa			0.90
	600Pa			0.41
	700Pa			0.18
Casing break out (dB(A)@3m)		35	32	50
Motor electrical power (W)		190	145	990
Electrical current FLC (A)		0.9	0.7	4.6
5 step transformer speed controller		91367AA	91367AA	91369AA
Guarantee (years)		2	2	2
Fan (rpm)		2890	1460	2840
Weight (kg)		6.7	17.1	13.5

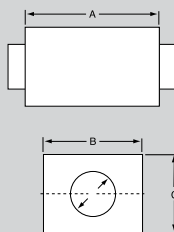
HiFlo CMAX XSFA

Attenuated inline fans



The Range

The Xpelair HiFlo XSFA range of attenuated inline fans is a nine model line up of fans for use in ducting applications where high performance and low sound levels are required. Suitable for light commercial and industrial applications such as schools, shops, sports complexes, offices, pubs and restaurants, the compact design of the range allows the fans to easily be accommodated above a suspended ceiling or floor void using the mounting points provided. The high performance, low noise level motor, combined with a cabinet lined with fire rated sound absorbing material makes XSFA units particularly suitable where low sound operating levels are critical.



Dimensions (mm)

Model	A	B	C
XSFA100/125	450	515	250
XSFA150/200	450	515	250
XSFA250	600	915	450
XSFA315/1/2	600	915	450
XSFA400/1/2	600	915	450

Key Features

- Low sound operation levels
- ErP compliant
- Sound absorbent material
- Class 'O' fire rated
- Seven sizes available (100mm-400mm Ø)
- The range is fully speed controllable
- Suitable for ambient temperatures -30°C to +50°C

Models

XSFA100 Single inlet cabinet fan (Ø100mm spigot)	Ref. 91389AA
XSFA125 Single inlet cabinet fan (Ø125mm spigot)	Ref. 91390AA
XSFA150 Single inlet cabinet fan (Ø150mm spigot)	Ref. 91391AA
XSFA200 Single inlet cabinet fan (Ø200mm spigot)	Ref. 91392AA
XSFA250 Single inlet cabinet fan (Ø250mm spigot)	Ref. 91393AA
XSFA315/1 Single inlet cabinet fan (Ø315mm spigot)	Ref. 91394AA
XSFA315/2 Single inlet cabinet fan (Ø315mm spigot) Plus	Ref. 91395AA
XSFA400/1 Single inlet cabinet fan (Ø400mm spigot)	Ref. 91396AA
XSFA400/2 Single inlet cabinet fan (Ø400mm spigot) Plus	Ref. 91397AA

Ancillaries

See pages 72-87

Product Selector	XSFA100	XSFA125	XSFA150	XSFA200	XSFA250	XSFA315/1	XSFA315/2	XSFA400/1	XSFA400/2
Reference number	91389AA	91390AA	91391AA	91392AA	91393AA	91394AA	91395AA	91396AA	91397AA
Spigot diameter (mm)	100	125	150	200	250	315	315	400	400
Extract performance (m³/s)									
0Pa	0.07	0.13	0.19	0.24	0.54	0.56	0.70	0.72	1.05
0Pa	0.07	0.12	0.19	0.23	0.51	0.53	0.68	0.70	1.02
100Pa	0.06	0.12	0.18	0.21	0.46	0.49	0.66	0.68	0.99
150Pa	0.06	0.11	0.17	0.19	0.40	0.43	0.64	0.66	0.95
200Pa	0.05	0.11	0.16	0.18	0.30	0.33	0.60	0.62	0.91
250Pa	0.05	0.10	0.14	0.15	0.03	0.03	0.56	0.58	0.85
300Pa	0.04	0.08	0.11	0.12			0.47	0.48	0.75
350Pa		0.05	0.07	0.07			0.17	0.17	0.58
400Pa		0.00	0.01	0.01					0.01
Nominal fan speed (rpm)	2150	1150	1150	1150	1300	1300	1100	1100	1210
Sound pressure level (dB(A)@3m)	41	32	33	34	40	41	42	44	51
Motor electrical power (W)	88	195	195	195	360	360	700	700	1240
Electrical current FLC (A)	0.4	1	1	1	1.6	1.6	3	3	6
Electrical current SC (A)	1	3	3	3	4.5	4.5	7.5	7.5	16
Motor insulation class	B	B	B	B	F	F	B	B	F
Weight (kg)	14	14	15	15	26	32	35	40	45
5 step transformer speed controller	91376AA	91367AA	91367AA	91367AA	91368AA	91368AA	91368AA	91368AA	91370AA
UK Guarantee (years)	2	2	2	2	2	2	2	2	2

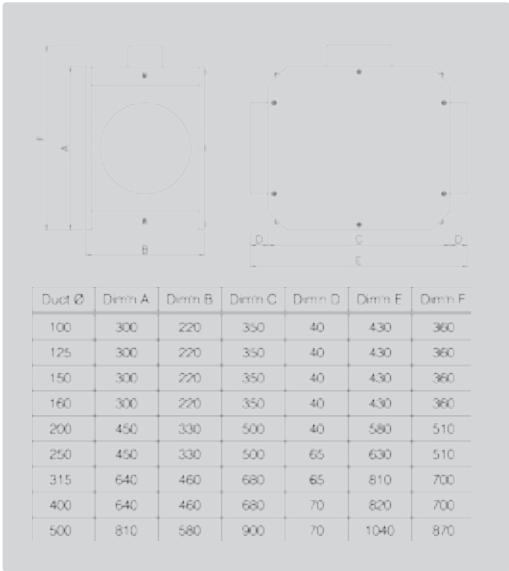
XSD
Single EC box fans



The Range

The XSD EC range of single attenuated inline supply/extract units offer a quiet, high efficiency ventilation solution that maintains indoor air quality.

Incorporating market leading technologies, XSD has been designed with today's energy costs in mind, minimising energy consumption and reducing associated losses when compared with traditional extract ventilation systems. The units use the latest Demand Controlled Ventilation (DCV) system to ensure optimum indoor air quality.



Key Features

- Unique compact design
- Acoustically lined case for low noise levels
- ErP 2015 compliant, ultra efficient EC motors with backward curved impellers for increased efficiency and reduced running costs
- BMS compatible, integrated demand control ventilation (DCV) ensures that the amount of fresh air provided closely matches the requirements of the occupants
- Incorporates Gripple suspension kit for easy installation
- High efficiency motorised impellers for longer life

Models

XSD100 Single EC box fan (Ø100mm spigot)	Ref. 92890AA
XSD125 Single EC box fan (Ø125mm spigot)	Ref. 92891AA
XSD150 Single EC box fan (Ø150mm spigot)	Ref. 92892AA
XSD160 Single EC box fan (Ø160mm spigot)	Ref. 92893AA
XSD200 Single EC box fan (Ø200mm spigot)	Ref. 92894AA
XSD250 Single EC box fan (Ø250mm spigot)	Ref. 92895AA
XSD315 Single EC box fan (Ø315mm spigot)	Ref. 92896AA
XSD400 Single EC box fan (Ø400mm spigot)	Ref. 92897AA
XSD500 Single EC box fan (Ø500mm spigot)	Ref. 92898AA

Ancillaries See pages 72-87

Product Selector	XSD100	XSD125	XSD150	XSD160	XSD200	XSD250	XSD315	XSD400	XSD500
Reference number	92890AA	92891AA	92892AA	92893AA	92894AA	92895AA	92896AA	92897AA	92898AA
Spigot diameter (mm)	100	125	150	160	200	250	315	400	500
Electrical power rating (W)	46	46	46	46	80	173	171	463	763
Electrical current FLC (A)	0.37	0.37	0.37	0.37	0.73	1.45	1.45	2.05	3.35
Motor insulation class	O	O	O	O	O	O	O	O	O
Weight (kg)	9.5	9.5	9.0	9.0	17.5	18.0	34.0	36.5	60.0
UK Guarantee (years)	5*	5*	5*	5*	5*	5*	5*	5*	5*

* 5 years on motor - 2 years on other parts

Ventilation Ancillaries

Xpelair Domestic, Commercial, System and Commercial System ventilation products are supported by a full range of compatible switches, sensors and controllers for adjustment and operation of ventilation management. To complete installation, Xpelair also offer flexible and rigid ducting systems in several sizes and a comprehensive range of grille outlets and installation kit accessories.

Sensors and Switches

Models



ConneX GX6 EC3 RF Controller

Ref: 92790AW

Suitable for use with GX6 EC3 RF models only.
For use with up to 10 fans.



ConneX GX9/12 EC3 RF Controller

Ref: 92792AW

Suitable for use with GX9/12 EC3 RF models only.
For use with up to 10 fans.



ConneX GX6 EC3R RF Controller.

Ref: 92791AW

Suitable for use with GX6 EC3R RF models only.
For use with up to 10 fans.



ConneX RF Controller Ref: 92796AW

2 speed RF controller for use with Xplus 2 EC RF |
Trickle and timed boost (adjustable at installation)



ConneX RFH Controller Ref: 92915AW

4 speed controller for use with Xplus 2 EC RFH | 4
speed trickle, day, timed boost and auto/humidity



MS2

Ref. 23513AW

2 speed selector (normal or boost) | Surface or
Recess mounting | 100mm (w) x 86mm (h) x 45 (d)



Manual Override

Switch MOS

Ref. 90199AW

Switch 1: high/low speed | Switch 2: On/Off
(or Off/trickle/vent according to fan option selected) |
Surface or recess mounting | Used with: Premier
DX200 and Premier DX400, DX400RS in conjunction
with XRH | Remote Humidistat | w85 x h85mm



Time Delay Controller

DT0B

Ref. 21850AW

Fan switches on with the lighting circuit |
Ventilation run-on period after the light has been
switched off | User adjustable up to 20 min | Surface
or recess mounting | Supply voltage 220-240V 50Hz
| Use with: GX6, GX9, GX12, WX6, WX9, WX12,
PX6, PX9, PX12, RX6, RX9 & RX12, DX200, DX400,
DX100, XIL, CMF, CX10, LoVolt DX100 | w100 x h86
x d45mm | Delay timer period 30 sec - 20 mins | Amp
inductive load 2.5A @ 240V AC



Xplus X3SC

Ref. 91457AA

3 speed control switch suitable for Xplus 2 models



Change Over Switch

COS

Ref. 90108AW

Used to select between high and low speed
operation | Surface or recess mounting | Used with:
DX400, DX400T, DX400RS | Xplus 2, Xcell 150, 200,
600 | w85 x h85mm



Remote Humidistat

XRH

Ref. 21856AW

Stand alone humidistat switches on when RH rises to
preset level and off when it declines | Fan operation
indicator light | Pullcord operated override switch |
Surface or recess mounting | White finish | Supply
voltage 220 - 240V 50Hz | Use with: GX6, GX9, GX12,
WX6, WX9, WX12, PX6, PX9, PX12, RX6, RX9 &
RX12, DX200, DX400, DX100, XIL, CMF, CX10, GX6
| w160 x h86 x d45 mm | Amp inductive load 2A @
240V AC

Sensors and Switches

Models



Controller HC301

Ref. 21877AW

On/Off switch | Fan only/fan and heater options | Variable thermostatic control | Suitable for surface or recess installation | Colour: white | Used with WH30 and WHP30 | w210 x h86 x d41mm



Air Quality Sensor AQS

Ref. 92097AW

Provides fully automatic control | Detects contaminants such as cigarette smoke, body odours, toilet odours and cooking smells | Activates ventilation system when preset threshold level is exceeded | Can control up to six fans and accessories | Integral timer adjustable from 3 - 30 mins | LED status indicator | Surface or recess mounting | Supply voltage 220-240V 50Hz | w160 x h86 x d41mm | Amp inductive load 3A @ 240V AC | Alarm connection has maximum inductive load of 0.3A @240V AC



LoVolt Remote Humidistat LVH

Ref. 21863AW

A 12V SELV LoVolt humidistat | switches automatically when the relative humidity reaches an adjustable pre-set point and switches Off when the relative humidity drops | Pullcord override | Suitable for ambient temperatures up to 40°C | Use with: Premier LoVolt DX200, LoVolt DX100 | w160 x h86 x d45 mm



Single Fan

Controller FR22/30

Ref. 21868AW

Sliding switches | On/Off | 2 speeds: low - high speed | Extract - intake airflow | Power 'On' indicator | For surface or recess mounting | Supply voltage: 220 -240V 50Hz | Gloss white | Use with: GX9, GX12, WX9, WX12, PX9, PX12, RX9, RX12 | w210 x h86 x d41mm



Single Direction

Group Fan Controller XCC1

Ref. 21859AW

Sliding switches and speed control knob On/Off | Infinitely variable speed control | Single direction: extract or intake selected at installation | Power 'On' indicator | For surface or recess mounting | Supply voltage: 220 - 240V 50Hz | Gloss white | Use with: GX9, GX12, WX9, WX12, PX9, PX12, RX9, RX12 | Note: do not mix fan size. For use with up to 4 - size 12 or 6 - size 9 fans units | w160 x h86 x d45mm



Reversible Group

Fan Electronic Controller EC6H

Ref. 21854AW

Sliding switches and speed control knob On/Off | Infinitely variable speed control | Extract - intake airflow | Power 'On' indicator | For surface or recess mounting | Supply voltage: 220 - 240V 50Hz | Gloss white | Use with: GX9, GX12, WX9, WX12, PX9, PX12, RX9, RX12. Note: do not mix fan size. For use with up to 4 - size 12 or 6 - size 9 fans units | w160 x h86 x d45mm



Inline Fan

Controller XIC1

Ref. 21858AW

For fine tuning airflows | Slide switch provides: On/ Off | Adjustable control for infinitely variable speed | Power 'On' indicator light | Surface or recess mounting | Colour: white | w160 x h86mm Amp inductive load 2A @ 240V AC



Timer and Boost

Switch TBS

Ref. 90202AW

Provides switching between humidity control/manual operation | Provides selection of high/low extract speed | Surface or recess mounting | Use with: GX6HT2 | w85 x h85mm



Passive Infrared

XPIRA Sensor

Ref. 21871AA

Position to switch the fan on when body movement is detected. Ideal for infrequently used public spaces | Built-in run-on timer to avoid nuisance tripping | For indoor use only | Use with: GX6, GX9, GX12, WX6, WX9, WX12, PX6, PX9, PX12, RX6, RX9 & RX12, Premier DX200, DX400, DX100, CMF, CX10, GX6 | w86 x h86mm

Sensors and Switches

Models



QCO2 indoor air quality
Ref. 96003AA
Monitors indoor air quality | Sensor for the Xcell QVW & QVI models | Surface mounting | 80mm (w) x 120mm (h) x 31 (d)



Q3SP
Ref. 96005AA
3 speed selector (trickle, normal or boost) | Controller for Xcell QVW model | Surface mounting | Filter inspection indicator | Motor failure indicator | 74mm (w) x 74mm (h)



QHS Humidity Sensor
Ref. 96040AA
Detects humidity | Sensor for the Xcell QVW & QVI models | Surface mounting | 85mm (w) x 100mm (h) x 26 (d)



QRFT RF Transmitter
Ref. 96007AA
Remote manual speed controller | Up to 6 can be used with 1 receiver | Surface mounting



QRFR RF Receiver
Ref. 96006AA
1 per MVHR unit | Used with up to 6 QRFT transmitters



ACS WJR RF controller and sensor
Ref. 96051AA
For central control using RF radio frequency to control multiple units. For use with Muro XRHM unit



AQ DL 50 Air quality/humidity sensor Ref. 96050AA
Air quality/humidistat sensor providing infinitely variable control between 10-45 m³/h. For use with Muro XRHM unit



Sensors and Switches

Models



Ceiling Fan Controller AWC

Ref. 21857AW
De-stratification temperature controller supplied with two thermo sensors at high/low level monitoring between preset minimum and maximum values. For the simultaneous speed control of 1 to 10 Whispair units.



Ceiling Fan Controller WAC1

Ref. 21852AW
Single fan controller



Ceiling Fan Controller WAC6

Ref. 21853AW
Group fan controller

WAC6R

Ref. 21878AW
Group fan reversing controller



Electronic Speed Controller XCW1

1AMP XCW1.1 Ref. 89903AA
3AMP XCW1.3 Ref. 89904AA
6AMP XCW1.6 Ref. 90408AA

Electronic speed control | Provides On/Off and infinitely variable speed control | Fan operation indicator light | Surface or recess mounting | w160 x h86mm



5 Step Transformer Speed Controller T1/T3

Single phase

T1-1.5A IP54	Ref. 91367AA
T1-3.5A IP54	Ref. 91368AA
T1-6A IP54	Ref. 91369AA
T1-7.5A IP54	Ref. 91370AA
T1-12A IP21	Ref. 91371AA

3 phase

T3-1A IP54	Ref. 91361AA
T3-2A IP54	Ref. 91362AA
T3-3A IP54	Ref. 91363AA
T3-5.2 IP54	Ref. 91364AA
T3-7A IP21	Ref. 91365AA
T3-14A IP21	Ref. 91366AA

In single and 3 phase suitable for speed control of all speed controllable fans | Robust light grey ISO sealed casing | Rotary switch | Fully integrated transformer ISO class II, T40 E conforms to VDE 0550 | Max. ambient temp. +40°C | Automatic reconnection after mains failure | Integrated status signal lamp | Surface mounting



Starter and Thermal Overload Protection STP

STP1 Single phase 0.4 - 10A

Ref. 91372AA

STP2 Three phase

0.1 - 25A

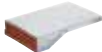
Ref. 91373AA

For single phase fans with thermal contact leads wired to a terminal block and single speed three phase fans with thermal contacts. Used with motors of higher performance where the thermal contacts or PTC thermistors are wired to the terminal block and must be connected to a motor protection device | On/Off push button operations | Manual reset after failure (not after power loss) | Volts free contact for connection of alarm | IP55 enclosure | Surface mounting | w80 x h150 x d98mm

Profile 25M & 29 Ducting

Flat metal and rigid plastic ducting systems

Models

Product Profile 25 (230mm X 25mm)	Ref.
MFMD Flat ducting 2.4 metre length 	89758AA
FMH90 Horizontal 90° bend 	89759AA
FMTB Transition/air brick 	89760AA
FMP Plenum box 	89761AA
FMV90 Vertical 90° bend 	89762AA
FMC Coupling (boxed in 6's) 	89764AA

Product Profile 29 (234mm x 29mm)	Ref.
XFD Flat channel duct 1m Flat channel duct 1.5m Flat channel duct 2m 	91104AA 91105AA 91106AA
XFC Flat channel connector 	91107AA
XFH90 Horizontal 90° bend 	91108AA
XFH45 Horizontal 45° bend 	91109AA

Product Profile 29 (234mm x 29mm)	Ref.
XFV90 Vertical 90° bend 	91110AA
XFV45 Vertical 45° bend 	91111AA
XFEP Elbow bend/plenum 100mm spigot (female) 	91112AA
XFRA Round to Rec adaptor 100mm spigot (female) 	91113AA
XFS Support clip (packs of 10) 	91114AA
XFRA Round to rectangular adaptor 100mm spigot (female) 	91113AA
XFLAA Long airbrick adaptor 	91102AA
XFAF Airbrick fascia terracotta 	91103AA
XFAS Airbrick soldier course 	91246AA
WD100 100mm Ø wall duct 	89543AA

Profile 54, 60 & 90 Ducting

Rigid plastic flat ducting systems

Models

Product	Profile 54 Dims (110×54mm)		Profile 60 Dims (204×60mm)		Profile 90 Dims (220×90mm)	
	Ref.		Ref.		Ref.	
 Flat ducting 1 metre length 1.5 metre length	FPD5150	92451AA	FPD100 FPD150	89755AA 91188AA	FPD9100 FPD9150	92325AA 92315AA
 Coupling	FPC5	92452AA	FPC	89757AA	FPC9	92316AA
 Mounting Bracket	FPB5 (per box of 10)	92519AA	FPB (per box of 10)	89756AA	FPB9 (per box of 10)	92314AA
 Horizontal 90° bend	FPH590	92453AA	FPH90	89754AA	FPH990	92317AA
 Horizontal adjustable bend	FPH545	92456AA	FPH45	89750AA	FPH945	92319AA
 Vertical 90° bend	FPV590	92454AA	FPV90	89753AA	FPV9590	92318AA
 Vertical 45° bend	FPV545	92517AA	FPV45	92537AA	FPV945	92545AA
 T Piece	FPT5	92455AA	FPT	90091AA	FPT9	92515AA
 Flexible Ducting 0.5m	FPF5	92510AA	FPF	91484AA	FPV945	92545AA
 Plenum bend 100mm Ø 125mm Ø 150mm Ø	FPP5100	92457AA	FPP100 FPP125 FPP150	89752AA 91259AA 91483AA	FPP125 FPP150	92321AA 92322AA
 Round to rectangular adaptor	PRA5	92511AA	PRA	91482AA	PRA9	92320AA
 Fire damper collar		92514AA	FBF	91975AA	FBF9	92516AA
 Single air brick adapter Double air brick adapter	FPA5	92513AA	FBA6 FPA	92313AA 92573AA	FPA9	92323AA
 Single wall outlet grille Double wall outlet grille			FPG FPG9	89751AA 92324AA	FPG9	92324AA

Ducting

Models



Flexible Ducting Xflex FD

	Dia	Length	
	(mm)	(m)	
FD100	100	3	Ref. 89663AA
		6	Ref. 89669AA
FD125	125	3	Ref. 89664AA
		6	Ref. 89670AA

Commercial Diameters

FD150	150	3	Ref. 89665AA
		6	Ref. 89671AA
FD200	200	3	Ref. 89666AA
		6	Ref. 89672AA
FD250	250	3	Ref. 89667AA
		6	Ref. 89673AA
FD315	315	3	Ref. 89668AA
		6	Ref. 89674AA

Glass fibre fabric on a PVC coated close pitch steel wire helix. 54 minute fire integrity from within as measured to BS 476: Part 20 - (1987) | Can be interlocked and sealed with duct tape to form an airtight seal | Attached to spigots using worm drive clips



Insulated Circular Plastic Ducting

	Dia	Length	
	(mm)	(m)	
CPD125	125	2	Ref. 91474AA
CPD150	150	2	Ref. 91475AA

Un-insulated Circular Plastic Ducting

	Dia	Length	
	(mm)	(m)	
CPDN100	100	2	Ref. 92538AA
CPDN125	125	2	Ref. 92539AA
CPDN150	150	2	Ref. 92540AA



New Aluminium Flexible Ducting Xflex ALU

	Dia	Length	
	(mm)	(m)	
ALU100	100	10	Ref. 91435AA
ALU125	125	10	Ref. 91436AA
ALU150	150	10	Ref. 91437AA

Commercial Diameters

ALU200	200	10	Ref. 91438AA
ALU250	250	10	Ref. 91439AA
ALU315	315	10	Ref. 91440AA
ALU400	400	10	Ref. 91441AA

Tough foil construction on a high strength wire helix | Over 40 minute fire rating BS 476: Part 20 (1987)



Insulated Circular T-pieces

	Dia (mm)	
ICT125	125	Ref. 91476AA
ICT150	150	Ref. 91477AA

Un-insulated Circular T-pieces

	Dia (mm)	
ICTN100	100	Ref. 92550AA
ICTN125	125	Ref. 92551AA
ICTN150	150	Ref. 92552AA



Insulated Circular Plastic 45° Bends

	Dia (mm)	
CPE125	125	Ref. 91480AA

Un-insulated Circular Plastic 45° Bends

	Dia (mm)	
CPEN100	100	Ref. 92542AA
CPEN125	125	Ref. 92543AA



Thermal Flexible Ducting Xflex TFD

	Dia	Length	
	(mm)	(m)	
TFD100	100	10	Ref. 91459AA
TFD125	125	10	Ref. 91460AA
TFD150	150	10	Ref. 91461AA
Commercial Diameters			
TFD200	200	5	Ref. 89850AA
		10	Ref. 91462AA
TFD250	250	5	Ref. 89851AA
		10	Ref. 91463AA
TFD315	315	5	Ref. 89852AA
		10	Ref. 91464AA

Double skinned insulated aluminium duct with high density fibreglass insulation to minimise condensation formulation | 25 minute fire integrity from within as measured to BS 476: Part 20 - (1987)



Y Piece Splitters YPS

	Duct dia (mm)	
YPS1	100x100x100	Ref. 91281AA
YPS1.25	100 x 100 x 125	Ref. 92243AA
YPS2	100x100x150	Ref. 91282AA
YPS3	125x125x125	Ref. 91283AA
YPS4	125x125x150	Ref. 91284AA
YPS5	150x150x150	Ref. 91285AA
YPS6	150x150x200	Ref. 91286AA
YPS7	200x200x200	Ref. 91287AA
YPS9	200x200x300	Ref. 91289AA
YPS10	250x250x250	Ref. 91290AA
YPS11	250x250x300	Ref. 91291AA

Fire retardant ABS moulded splitters | Leading lip for improved fixing to flexible ducting | Space saving two component construction

Ducting & Accessories

Models



Insulated Circular 90° Bend		
	Dia (mm)	
CPB125	125	Ref. 91478AA
CPB150	150	Ref. 91479AA

Un-insulated Circular 90° Bend		
	Dia (mm)	
CPBN100	100	Ref. 92546AA
CPBN125	125	Ref. 92547AA
CPBN150	150	Ref. 92548AA



Circular Plastic Connectors		
	Dia (mm)	
CPC100	100	Ref. 92535AA
CPC125	125	Ref. 91485AA
CPC150	150	Ref. 91486AA



Circular Plastic Adaptors		
	Dia (mm)	
CPA125/100	125-100	Ref. 91487AA
CPA150/125	150-125	Ref. 91488AA
CPA180/150	180-150	Ref. 92520AA
CPA200/150	200-150	Ref. 91489AA



Bull-nose Vent Grille	
BVG100SS	Ref. 92486AA
100mm dia stainless steel	



Coweled Outlet	
CO100SS	Ref. 92484AA
100mm dia stainless steel with non-return flap	



Wall Grille Gravity Vent	
GV100SS	Ref. 92485AA
100mm dia stainless steel	



Autoflow 100	
Passive Air Input Unit	Ref. 91296AW
Self regulating, adjusts airflow with outside temperature Range -5°C to +10°C White ABS material Telescopic wall tube 270mm	



Roof Cowl	
	Ref. 91277AA
Complete with flashing for roof pitches 25-45° C For Xcell MVHR installations (2 required)	



Wall Cowl	
	Ref. 92436AA
Black metal wall cowl with square mesh	

Accessories

System Extract and Input Grilles



Extract Grilles

For use in en-suites, bathrooms, kitchens and utility rooms

RegulAir ceiling spigot XECS

Ref: 91452AA

A 125mm first fix spigot that fits flush to the ceiling, allowing decoration without masking | Self supporting - no fixings required | Complete with rubber seal

RegulAir Exhaust grilles

Factory set to the exhaust volume requirement for a room. No site balancing is necessary and the performance cannot be tampered with after insulation | Pushed into the 125mm ceiling adaptor after decorating is complete as part of the second fix. Additional fixings not necessary | Complete with rubber seal

RegulAir XEE 8-16

bathroom/utility grille Ref: 91442AA

Preset volume regulator. 8l/s trickle ventilation | Electric damper opens to 16l/s



Circular Air Valves CAV

CAV100 Dia100mm Ref: 89682AA

CAV125 Dia125mm Ref: 91490AA

CAV150 Dia150mm Ref: 89683AA

Valve has adjustable centre disc | Multi inlets/outlets | Flexible ducting (FD) can be terminated at the valve

Circular Air Valve CAV FD

CAV125FD Dia125mm Ref: 91495AA

Circular air valve with integral fire damper



RegulAir XEP 8-16

bathroom/utility grille

Ref: 91444AA

Preset volume regulator. 8l/s trickle ventilation | Pullcord opens to 16l/s

RegulAir XEH 8-16

bathroom/utility grille

Ref: 91445AA

Preset volume regulator. 8l/s trickle ventilation | Non-electric humidistat opens to 16l/s

RegulAir XEP 6-12

sanitary accommodation grille

Ref: 91443AA

Preset volume regulator. 6l/s trickle ventilation | Pullcord opens to 12l/s



RegulAir XEV

6-12 sanitary accommodation

Ref: 91446AA

Preset volume regulator. 6l/s trickle ventilation | PIR opens to 12l/s

Fire Cuff 125

Ø125mm Fire cuff

Ref: 23314AA

Female Cuff 125

Ø125mm female connector for CAV125

Ref: 23349AA



Input Grilles

For use in bedrooms, halls and living rooms etc

RegulAir XEI 125 input grille

Ref: 91451AA

Hinged diffuser 125 with a distribution pattern allowing installation in the corner of the room | 125mm diameter to fit into RegulAir ceiling adaptor | Also available in 100mm dia

RegulAir XEI 100 input grille

Ref: 91450AA



XEV8 8l/s

Ref: 91448AA

RegulAir XEV induct constant airflow valve. | Duct mounted regulator maintains a constant return flow volume to bedrooms etc. fits 125mm Profile 150 or Xflex duct

Important

One of the return ducts should not be fitted with a constant airflow valve to maintain balance extract / intake. This is normally one of the returns to the ground floor.

Accessories

Models



Worm Drive Clips WDC

	Dia (mm)	
WDC5	100 -125	Ref. 89684AA
WDC8	150 - 200	Ref. 89685AA
WDC13	250 - 315	Ref. 89686AA

Steel clips for connecting flexible ductwork to spigots | Supplied in packs of 10



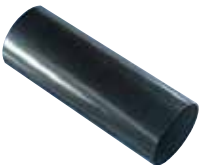
Premier Grease Filters PDXGF

	Ref.
PDXGF	90548AA

Premier 200 range

	Ref.
PDXGF4	91145AA

Premier 200 range
For Premier units in kitchen applications | Fits behind the inlet | Material: Self extinguishing black polyester foam



Wall Ducts WD

	Duct dia (mm)	
WD100	100	Ref. 89543AA
WD125	125	Ref. 89703AA
WD150	150	Ref. 89704AA
WD200	200	Ref. 89705AA
WD250	250	Ref. 89706AA
WD315	315	Ref. 89707AA

For bridging cavities or lining solid exterior walls



Ceiling Kit XCMK

	Ref.
XCMK	90066AA

Allows a sealed ceiling mounting of ducted products | Complete with ceiling adaptor tube 105.7m dia, rubber gasket and foam strip | Used with: Premier DX200, DX400



Vent Cowl VC

	Ref.
VC10	89531AA

Provides weather protection for a 100mm PVC rigid ducted outlet | Pushfit and should be secured with solvent adhesive | Material: PVCu | Colour: Grey | Used with: Premier DX200, DX400, DX100 axial models in exposed situations | Cowl diameter: 200mm | w201 x h101 x inner Ø110mm



Glass Mounting Kits GMK & DXDG

	Ref.
GMK	90546AA

Used for installing Premier DX200 and CF20 models in a window | Glass thickness: 4-28mm

	Ref.
DXDG	07439AA

Allows DX100/LV100 to be mounted in double glazed panels from 6 to 46mm thick



GX Wall Kits WK

	Dia (mm)	
WK6/8	200 (GX6)	Ref. 89369AA
WK6/11	280 (GX6)	Ref. 89370AA
WK9/8	200 (GX9)	Ref. 89371AA
WK9/11	280 (GX9)	Ref. 89372AA
WK12/8	200 (GX12)	Ref. 89373AA
WK12/11	280 (GX12)	Ref. 89374AA

For bridging cavity walls and lining double brick walls | Steel wall liner | Length: 200mm and 280mm | Set of 508mm ladder strips



Extendable Interlocking Wall Kits WK6

	Ref.
WK6/300	90085AA

	Ref.
WK6/450	90086AA

For bridging cavity wall constructions, or lining solid double brick walls | Interlocking facility to build up to required length | Available in 300mm or 450mm lengths | Complete with 508mm ladder strips



Condensation Trap XCT100

	Ref.
XCT100	89749AA

For use with 100mm dia ducting | Prevents condensed water running back down the duct towards the fan in vertical PVCu pipe ducted applications. (Not suitable for use in a flexible duct run) | Collected water must be piped to a convenient disposal point | Colour: Grey | 20mm drain off point | Material: PVCu | Length: 85mm

Accessories

Models



Easy-Fix Termination Kit EFT
Ref. 90427AA

Designed to be installed from inside a building through a cored out to Ø115mm (nominal) hole drilled in brickwork | Easily cut to length | Simple installation save times and cost | Four sealing rings provide a watertight seal in the external wall | Used with: Premier DX200, CF20. Not suitable for 100mm axial fans | Length: 465mm



Airbrick Adaptor XAA
Ref. 89777AA

A fabricated G.S.M 340mm sleeve to bridge a cavity and line a solid wall | Connects to 100mm duct | Includes an air brick | GSM adaptor | Used with all 100mm fans | w220 x h65 x d340 Ø100mm



Wall Kit XXSWK4
Ref. 90333AW

100mm wall kit consists of wall duct, internal and external grilles foam strips and wall fixings | Used with: XXS100 | Wall hole dia. 117mm



Fire Damper XFC

	Dia (mm)	
XFC100	100	Ref. 89843AA
XFC125	125	Ref. 89844AA
XFC150	150	Ref. 89845AA
XFC200	200	Ref. 89846AA

For ducts, walls and ceilings. Should not be fitted into flexible ducting. Wall or duct in which XFC is fitted should have a rated fire integrity in accordance with Building Regulations Part B | Provides full 1 hour fire check | Closing temperature 72OC | Low temperature drop | Tested at Warrington Fire Research Centre to BS476 Part 20



Termination Ducting Kit WT

	Dia (mm)	
WT10	100	Ref. 89538AA
WT15	150	Ref. 89687AA

For through wall application | Complete with exterior grill, wall duct and spigot plate | Ducting can be attached to spigot | Wall hole dia. 117mm

TDK8	200	Ref. 89384AA
------	-----	--------------

Ducting kit for CX10 Ceiling extract fan



Wall Grille CFWG

CFWG100 - Grey	Ref. 89215AB
CFWG100 - White	Ref. 89742AW
CFWG150 - Grey	Ref. 89690AB
CFWG150 - White	Ref. 89857AW

Surface mounted exterior wall outlet grille | For use with 100mm/150mm nominal size ducting | Fixing screws provided | Use with: 100mm axial variants | Dimensions: w150 x h150 x d13mm (CFWG100), w217 x h217 x d24mm (CFWG150)



Wall Vent Kit VK10
Ref. 89120AW

To bridge a cavity or line a solid wall hole | Complete with wall duct (WD), 155mm square external back-draught shutter, foam strip and wall fixings | Grille w155 x h155 | Wall hole dia. 117mm



Wall Grille Gravity Shutter XXWG4

White	Ref. 90174AW
Grey	Ref. 90140AA

Protected duct outlet fitted with gravity flaps | 100mm dia connection | Dimensions: w155 x h155 x d15mm



Louvered Wall Grille LG

	Dia (mm)	
LGW125	125	Ref. 91492AA
LGB125	125	Ref. 91493AA

Available in white and brown

Accessories

Models



Exterior Storm Cowl

XXSCW & XXSCB

XXSCW White Ref. 90461AW

XXSCB Brown Ref. 90462AB

Provides protection against severe backdraughts and water ingress | Fitted with gravity flap damper | Wall mounted | 100mm spigot | Used with: 100mm axial fans



Air Replacement Door Grilles

DG-W DG-B

DG-W White Ref. 89529AA

DG-B Brown Ref. 89530AA

Tight closing bathroom / toilet doors prevent air circulation to the fan. Air replacement grilles permit air to flow into the room with the door shut | Slimline design | Consists of two grilles and fixings | Minimum door thickness 35mm | Dimensions: w454 x h90mm overall, w435 x h77mm hole



Slimline Wall Kit SLWK

SL100 Ref. 91232AW

SL150 Ref. 91233AW

Wall kit consists of wall duct and external grille | Used with: Slimline SL100 and SL150 | Adjustable length 215-380mm | Wall hole size SL100 117mm, SL150 157mm



Roof Cowls RC

RC6 (GX6, GXC6) Ref. 89997AW

RC9 (GX9, GXC9) Ref. 90048AW

RC12 (GX12) Ref. 90092AW

Roof Cowls XRC

XRC315-350 Ref. 92364AA

Ø315-350mm Roof Cowl

XRC400-450 Ref. 92365AA

Ø400-450mm Roof Cowl

XRC500-550 Ref. 92366AA

Ø500-550mm Roof Cowl

XRC630-710 Ref. 92367AA

Ø630-710mm Roof Cowl

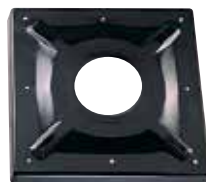
For use in roof applications | The cowl is fitted in place of an exterior grille | Can also be used in exposed window or wall applications subject to strong prevailing winds



Darkroom Cowl DC9

Ref. 98409AK

For use in scientific and photographic applications | Replaces the outer grille on GX9 and GXC9 models | Roof, window or wall mounting | Hole Ø257mm | Colour: black | Use with: GX9, GXC9 | w475Ø d144 x 117



Roof Mounting Plates XRP

XRP6 (RX6) Ref. 00370AK

w592 x h542 x d89 Ø105

XRP9 (RX9) Ref. 00371AK

w774 x h774 x d101 Ø257

XRP12 (RX12) Ref. 00371AK

w774 x h774 x d101 Ø324

Provides effective and secure installation in flat roof applications | Flame retardant resin bonded fibre glass | Requires the installer to build a kerb onto which plate is fixed. Always use sealant to bed in the outer cowl seal for weatherproof joint | Colour black



Distance Pieces

GXDP

Ref. 56708AA

Allows GX units to be fixed to distorted walls of 38mm minimum thickness | By spacing the fan unit and outer grille away from the wall or panel, distortion through over-tightening is prevented | Set of 6

Accessories

Models



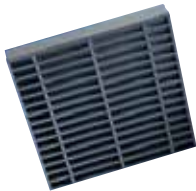
Simply Silent™ Replacement Baffle
SSSB Square
Ref. 92957AW

SSRB Round
Ref. 92958AW



GX Longer Length Ladder Strips
GXL20 (20 pack)
Ref. 89382AA
GXL50 (50 pack)
Ref. 89383AA

Used when installing GX fans through walls |
Length: 508mm | Easy to cut | GX6 & GXC6: 2 strips |
GX9 & GXC9: 3 strips | GX12: 4 strips



Fire Blocks FB
FB20
Ref. 89835AA
w200 x h200mm

FB30
Ref. 89836AA
w300 x h300mm

For use with air replacement grille (ARG) | Fitted
between two grilles in a fire door or compartment |
Spec fire rated 60 mins to BS478 Part 8



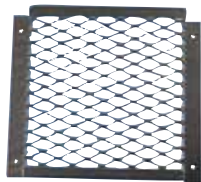
Simply Silent™ Wall Kit
SSWKWR Round/White
Ref. 92991AW

SSWKWS Square/White
Ref. 92992AW

SSWKBR Round/Brown
Ref. 92993AB

SSWKBS Square/Brown
Ref. 92994AB
Allows fitting of outer grille from inside |
Comes complete with walltube

Simply Silent™ Window Kit SSWIN
Ref. 92996AA



Protective Wall Grilles PG
PG6 (GX6, GXC6, WX6)
Ref. 89375AA

PG9 (GX9, GXC9, WX9)
Ref. 89376AA

PG12 (GX12)
Ref. 89377AA

PGW12 (WX12)
Ref. 90204AA
For use with GX and WX fans to protect the exterior
grille from damage by vandals | Constructed from
steel mesh and finished in black epoxy powder paint
| Surface mounted to exterior wall using fixing screws
and wall plugs provided | w356 x h305 x d67mm



Air-Replacement Grilles ARG
ARG20 Ref. 89833AA
w200 x h200mm

ARG30 Ref. 89834AA
w300 x h300mm

For use with all commercial fans | Fitted to doors or
partition walls to provide adequate air replacement for
a fan | Can be used in conjunction with Fire Block FB
in fire doors and panels to prevent the breach of fire
protected areas or compartments | Each set
comprises of 2 grilles



	Grille Box GB	
	Duct Square	
	dia	
	(mm)	(mm)
GB20/100	100	200 Ref. 89676AA
GB20/125	125	200 Ref. 89677AA
GB20/150	150	200 Ref. 89678AA
GB30/200	200	300 Ref. 89679AA
GB30/250	250	300 Ref. 89680AA
GB45/315	315	450 Ref. 89681AA
GB50/315	315	500 Ref. 89828AA
GB60/400	400	600 Ref. 90296AA

Used in conjunction with egg-crate ceiling grille and
ceiling diffuser grille to connect to ductwork | Use
Xflex FD or TFD to attach to spigot and secure with
worm drive dip

Accessories

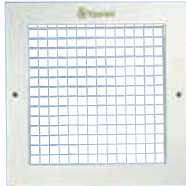
Models



Spigot Plates SP

	Duct dia (mm)	Square (mm)	
SP100	100	180	Ref. 92644AA
SP125	125	175	Ref. 89698AA
SP150	150	200	Ref. 92646AA
SP200	200	250	Ref. 92647AA
SP250	250	300	Ref. 92648AA
SP315	315	365	Ref. 92649AA

Fixes to the interior surface of wall to connect to Xflex ducting | Connect duct using worm drive clips | Material: metal



Egg-crate Ceiling Grilles CG

	Square (mm)		Satin Silver
CG20S	200	Ref. 89675AA	
CG30S	300	Ref. 89532AA	
CG45S	450	Ref. 89533AA	
CG50S	500	Ref. 89827AA	
CG60S	600	Ref. 90295AA	

	Square (mm)		White
CG20W	200	Ref. 89823AW	
CG30W	300	Ref. 89824AW	
CG45W	450	Ref. 89825AW	
CG50W	500	Ref. 89826AW	

Can be used on ceilings or internal walls as an air replacement grille with large free area | Aluminium construction | Fixing screws provided (not size 600) | Use with grille boxes and Xflex ducting | Colours: satin silver or white



Ceiling Diffuser Grilles DG

	Square (mm)		Satin Silver
DG20S	200	Ref. 89816AA	
DG30S	300	Ref. 89818AA	
DG45S	450	Ref. 89819AA	
DG50S	500	Ref. 89822AA	

	Square (mm)		White
DG20W	200	Ref. 89815AW	
DG30W	300	Ref. 89817AW	
DG45W	450	Ref. 89819AW	
DG50W	500	Ref. 89822AW	

For air input systems terminating at ceilings and internal walls | Adjustable grille vanes to set up direction of airflow for a particular area | Fixing screws provided (not size 600) | Use with grille boxes and Xflex ducting | Aluminium construction | Colours: Satin Silver or White



Air Volume Dampers AVD

	Square (mm)	
AVD20	200	Ref. 89829AA
AVD45	450	Ref. 89831AA
AVD50	500	Ref. 89832AA

Clips directly to an egg crate grille or ceiling diffuser grille to adjust the volume of air entering the room | Lever adjustment | Depth 44mm | Used together with Grille Box and Xflex ducting | Material: Aluminium Mill finish



External Louvre Grilles EG

	Duct size (mm)	
EG30	300x300	Ref. 89534AA
EG45	450x450	Ref. 89535AA
EG50	500x500	Ref. 90538AA
EG67	670x670	Ref. 90539AA

Weather resistant recess mounting fixed louvre grille for exterior walls | Aluminium construction | Fitted bird guard



Air Operated Louvre Shutters XLG

	Hole dia (mm)	
XLG100	100 dia	Ref. 89691AA
XLG120	120 dia	Ref. 89692AA
XLG150	160 dia	Ref. 89693AA
XLG200	200x200	Ref. 89694AA
XLG250	250x250	Ref. 89695AA
XLG315	315x315	Ref. 89696AA
XLG400	400x400	Ref. 90294AA

Plastic construction | Fixed to outside of exterior wall | Air operated | Colour: white

Accessories

Models



Air Operated Louvre Shutters XLS

	Duct size (mm)	
XLS315	315x315	Ref. 89905AA
XLS350	350x350	Ref. 91144AA
XLS400	400x400	Ref. 89906AA
XLS450	450x450	Ref. 89907AA
XLS500	500x500	Ref. 90540AA
XLS670	670x670	Ref. 90541AA

Aluminium construction | Fixed to outside of exterior wall | Air operated | Use with: XPM



Four Way Ceiling Diffusers FW
To fit square duct size
(mm)

FW225	225x225	Ref. 91424AA
FW300	300x300	Ref. 91425AA
FW350	350x350	Ref. 91426AA
FW400	400x400	Ref. 91427AA
FW450	450x450	Ref. 91428AA
FW500	500x500*	Ref. 91429AA

*outer frame dim. 600x600 | Rigid lightweight polypropylene frame | Four drop-in diffuser cassette can be set up for angled or downward diffusion | Each cassette can be fitted eight ways providing multi directional air patterns | Secret fixings adjust to varying plasterboard and tile thickness without surface screws | Largest size drops into 600x600mm ceiling grid system



Spigot Plate/Damper FWS

	Diff sq (mm)	Spigot dia (mm)	
FWS150	225	150	Ref. 91430AA
FWS200	225	200	Ref. 91431AA
FWS250	300	250	Ref. 91432AA
FWS300	350	300	Ref. 91456AA
FWS400	400	400	Ref. 91433AA
FWS450	450	400	Ref. 91434AA

Interlock with four way diffusers | Sloping spigot and barbs for easy duct attachment | Built-in air volume damper in spigot sizes up to 300mm



Flexible Duct Connectors

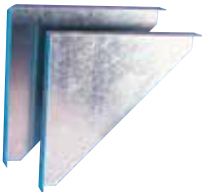
FFC1-125	Ref. 90297AA
Ø125mm flexible duct connector	
FFC2-150	Ref. 90298AA
Ø150mm flexible duct connector	
FFC3-200	Ref. 90299AA
Ø200mm flexible duct connector	
FFC4-250	Ref. 90300AA
Ø250mm flexible duct connector	
FFC5-315	Ref. 90301AA
Ø315mm flexible duct connector	
FFC6-400	Ref. 90302AA
Ø400mm flexible duct connector	



Short Case Axial Fan Xtras SCX
Fan size
(mm)

SCX315	(XSCA315)	Ref. 91317AA
SCX350	(XSCA350)	Ref. 91318AA
SCX400	(XSCA400)	Ref. 91319AA
SCX450	(XSCA450)	Ref. 91320AA
SCX500	(XSCA500)	Ref. 91321AA
SCX560	(XSCA560)	Ref. 91322AA

Installation pack comprising of: 2 steel matching coupling flanges | 2 flexible connectors | 4 worm drive clips | 2 mounting feet | 4 anti-vibration mounts

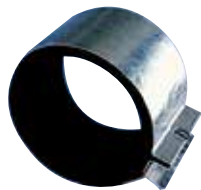


Wall Mounting
Bracket WMB

Ref. 90310AA
Strong G.S.M construction | Sold in pairs |
For use with XSFA

Accessories

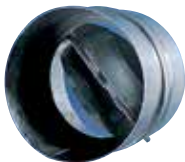
Models



Solid Duct Fasteners XMK

Duct dia (mm)		
XMK100	100	Ref. 89618AA
XMK125	125	Ref. 89619AA
XMK150	150	Ref. 89620AA
XMK200	200	Ref. 89621AA
XMK250	250	Ref. 89622AA
XMK315	315	Ref. 89623AA

For connecting XID and XIDP fans to rigid ductwork | Supplied in pairs | Metal clamping band with vibration absorbent foam



Backdraught Shutters XBD

Duct dia (mm)		
XBD100	100	Ref. 89636AA
XBD125	125	Ref. 89637AA
XBD150	150	Ref. 89638AA
XBD200	200	Ref. 89639AA
XBD250	250	Ref. 89640AA
XBD315	315	Ref. 89641AA
XBD500	500	Ref. 90535AA

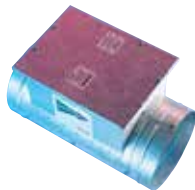
G.S.M construction | Spring loaded flaps | For use with XID, XIDP and cabinet fans | Fits between two lengths of ducting which are secured to the outside with worm drive clips when using Xflex FD ducting or with solid duct fasteners for solid ducting



Circular Silencers SIL

Duct Lgth Dia				
dia		(mm) (mm) (mm)		
SIL100	100	300	200	Ref. 89837AA
SIL125	125	300	225	Ref. 89838AA
SIL150	150	300	250	Ref. 89839AA
SIL200	200	300	300	Ref. 89840AA
SIL250	250	300	350	Ref. 89841AA
SIL315	315	300	415	Ref. 89842AA

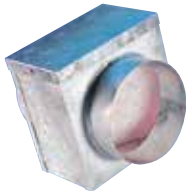
For use with all circular duct systems | For rigid ductwork the spigot incorporates a duct seal for leak free construction | G.S.M construction



Inline Electric Duct Heaters IDH

Watts Air Dia		
flow		
(m3/s) (mm)		
IDH1	750	0.02 100
IDH2	1000	0.03 125
IDH3	1500	0.04 150
IDH4	2000	0.08 200
IDH5	3000	0.12 250
IDH6	4500	0.24 315
IDH7	9000	0.31 400
IDH8	18000	0.49 500

built-in manual reset thermal cutout for added safety | G.S.M sleeve | For use with rigid or flexible ductwork | Connection box on top of unit | Sheathed heating element | All duct heaters 400mm long | Duct heater height equals dia + 46mm | On/Off operation | Suitable for 240V/IPH/50Hz Electrical supply | Must be controlled via a suitable fan electric control device complete with thermal overload protection and run-on-timer. To eliminate any possibility of fire especially when fan speed controllers are used.



Bag Filter Cassettes CFC

Duct Box		
dia square		
(mm) (mm)		
CFC1-125	125	155
CFC2-150	150	180
CFC3-200	200	230
CFC4-250	250	280
CFC5-315	315	345
CFC6-400	400	430

G.S.M construction | Simple but effective inline filtration | Filter medium EU3 | 92% efficient to BS 2831 number 2 test | All filter boxes are 130mm deep | Lid secured by screw on 2 sides



Xpelair
Newcombe House
Newcombe Way
Orton Southgate
Peterborough
PE2 6SE

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

UK Sales

Sales Hotline: 0844 372 7750
Sales Fax: 0844 372 7760

International Sales

Sales Hotline: +44 (0) 1733 456789
Sales Fax: +44 (0) 1733 456727

Technical Services

Tech Hotline: 0844 372 7766
Tech Fax: 0844 372 7767



5 Charlestown Avenue
Charlestown Industrial Estate
Craigavon
Co. Armagh
BT63 5ZF

Tel: (028) 38 337317
Email: sales@glendimplexni.co.uk

