

**fancro** 

**Exhaust Fan Collection**

**2024**

# Exhaust Guide

## Why do you need an exhaust fan?

There are 3 main reasons to use exhaust fans:

- To remove impurities in the air (moisture, smells, smoke, heat etc)
- To encourage air circulation within an area
- To transfer tempered (warm/cool) air from one place to another

## The problem with condensation

Condensation is the most common residential issue. It is the process whereby water vapour in the air becomes liquid (the opposite of evaporation). A practical example is droplets of water forming on bathroom tiles during a shower.

Main Causes	Potential Issues
<ul style="list-style-type: none"><li>• Showering or bathing</li><li>• Cooking</li><li>• Using a tumble dryer</li><li>• Occupants within the house (simply breathing can add up to 2 litres of water per day).</li></ul>	<ul style="list-style-type: none"><li>• Build up of mould over time due to damp environment</li><li>• Poor air quality results in negative impact for house occupants</li><li>• If untreated may result in long term structural damage</li></ul>

## The most common solution

The most common solution is to place exhaust fans in areas prone to generating condensation (bathroom, laundry, toilet and kitchen). When an exhaust fan is operating in a bathroom, it helps create negative pressure, by forcibly extracting the stale air and drawing fresh air from other areas of the house.

## How do you select the most appropriate fan?

### Step 1



Calculate the room size in cubic metres. This is simply:  
**length x width x height (m).**

### Step 2

Refer to the following table for required number of air changes per hour.



### Step 3



Multiply the room size in cubic metres by the number of air changes required. This will give you a target extraction rate in **m3/hr.**

Location	Air changes per hour
Bathroom (toilet only)	6 – 15
Bathroom with a shower	15 – 25
Bedroom	5 – 8
Cafe	15 – 25
Computer Room	6 – 10
Factory / Workshop	6 – 10
Garage	6 – 8
Commercial Kitchen	20 – 30
Domestic Kitchen	15 – 25
Laundry (No Dryer)	6 – 15
Laundry (With Dryer)	15 – 25
Commercial Laundry	11 – 20
Office	4 – 6
Sub Floor	6 – 10
Spa Bathroom	15 – 25

This information is intended to be a guide only. It does not constitute specific advice. This table is designed to be a tool to assist in calculating the theoretical capacity required for a room based on room size and suggested rate of changes per hour ONLY.

It does not by itself provide a ventilation solution for a particular area. The suggested rate of changes per hour is based on the Australian Building Codes as a guideline, and also takes into account reasonable and standard situations and expectations.














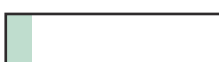
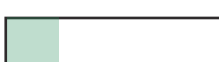


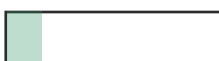









Please keep in mind that other factors may contribute to achieving a desired ventilation solution, which can include but is not limited to: the client's expectation of how quickly steam/smell should be removed from a room, the climate, the materials in the room (eg tiles, windows etc), whether there is dampness or excessive humidity issues, whether enough air is coming in, whether there is good cross ventilation.

## How does ducting impact exhaust performance?

Using a length of ducting to direct damp air and pollutants out of the building can preserve the quality of air in your home. But before you decide to go ahead, it's important to understand how adding a length of ducting to your exhaust fan will affect its performance.

Ducting will impact every fan. For this reason its best to keep your ducting as short and direct as possible, with less bends and twists. A regular bathroom fan performs best with 1-2m of ducting pulled tight.

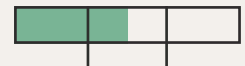
# Domestic Product Index

Model	Colour Options	Page Number	Location	Extraction Rate	Noise Level*	Duct Diameter
Hybrid Round		6-7	Ceiling	482 m3/hr 	36	150mm
Hybrid Square		6-7	Ceiling	482 m3/hr 	36	150mm
Luna Pro 200		8	Ceiling	270 m3/hr 	39.7	150mm
Luna Quiet Boost 250		8	Ceiling	400 m3/hr 	45	150mm
Metro Pro 200		9	Ceiling	4270 m3/hr 	39.7	150mm
Metro Quiet Boost 250		9	Ceiling	400 m3/hr 	45	150mm
Luna/Metro CCT LED		10	Ceiling	400 m3/hr 	45	150mm
Chico 100		11	Ceiling or Wall	88 m3/hr 	33	100mm
Chico 125		11	Ceiling or Wall	166 m3/hr 	34	125mm
Chico 150		11	Ceiling or Wall	264 m3/hr 	37	150mm
S Series 100		12	Ceiling or Wall	95 m3/hr 	34	100mm
S Series 125		12	Ceiling or Wall	180 m3/hr 	35	125mm
S Series 150		12	Ceiling or Wall	292 m3/hr 	38	150mm
LD Auto 150		13	Ceiling or Wall	295 m3/hr 	39	150mm
Quiet 150		14	Ceiling or Wall	315 m3/hr 	33	150mm
Valerie 125		15	Window	185 m3/hr 	35	150mm
Valerie 150		15	Window	295 m3/hr 	41	150mm

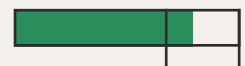
## Basic Application Guide



Small Powder Rooms  
Toilets



Standard Bathrooms / En-suites



Large Bathrooms  
Large Laundry  
High Steam Areas

\*Noise level measured in dB(A) \*

# Hybrid Series

A contemporary high performance exhaust fan with a whisper quiet ball bearing motor that maintains quietness and is designed to ensure longevity.

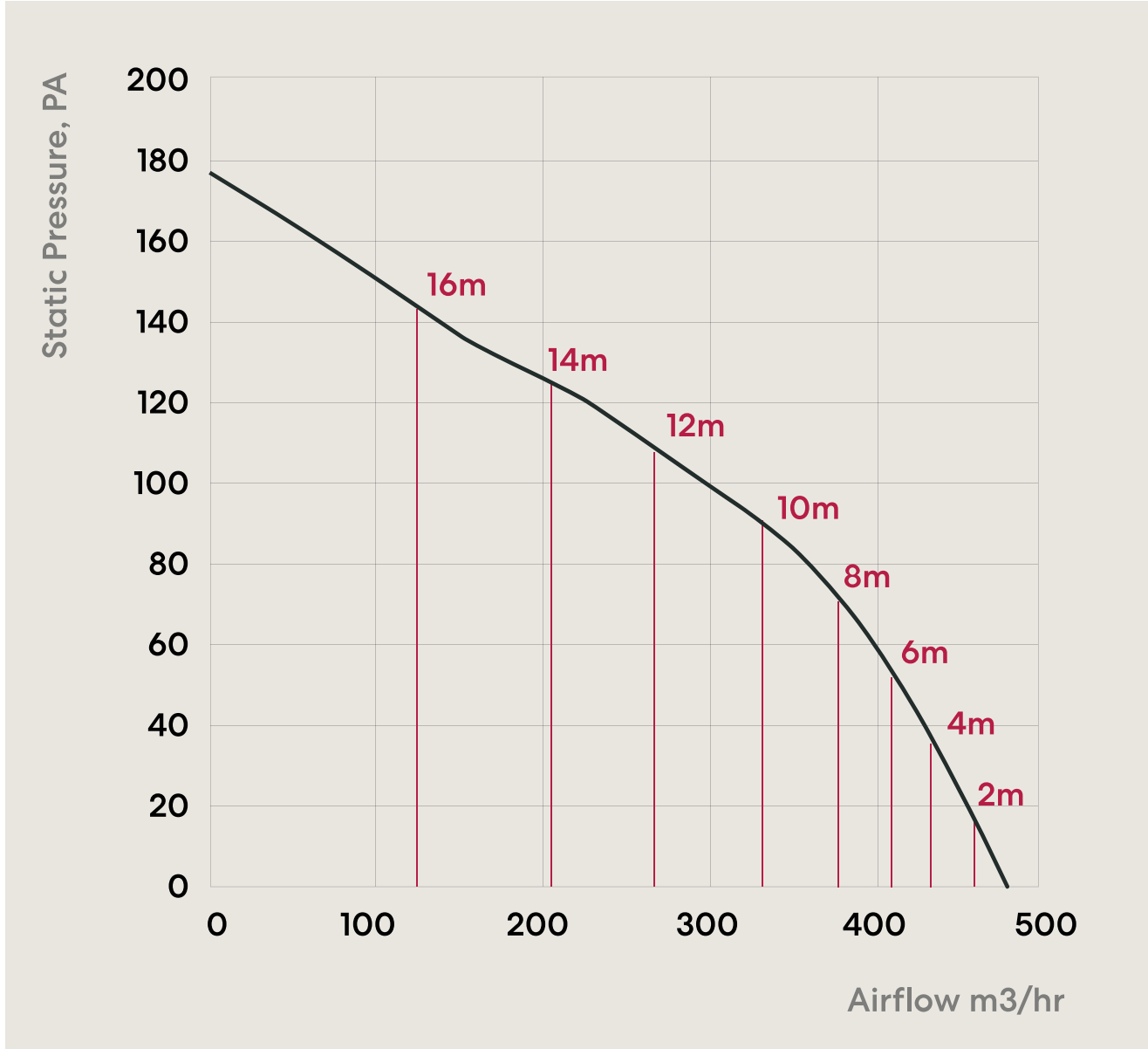


- High Airflow
- Low Noise
- DIY Install
- 2 Year 2 year replacement warranty

- Hybrid 250 Side Ducted Motor: ECVUHBM10
- Round Matte Black Grille: EAVUHB10RMBCOVER
  - Round White Grille: EAVUHB10RWCOVER
  - Square Matte Black Grille: EAVUHB10SQMBCOVER
  - Square White Grille: EAVUHB10SQWCOVER
  - Round White Grille LED: EAVUHB10RWCOVERLED
  - Square White Grille LED: EAVUHB10SQWCOVERLED



## Hybrid Pressure Curve

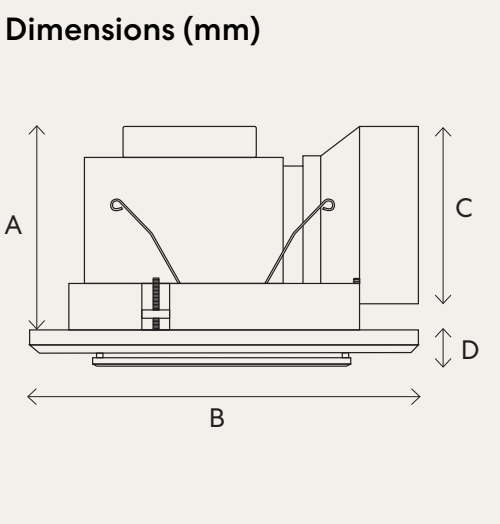


### Explanation:

This product has been engineered to perform well with longer than normal lengths of ducting. As you can see from the above pressure curve, the fan maintains its extraction rate reasonably well up to about 8-10 metres of 150mm diameter ducting. Keep in mind however, that this is based on straight lengths and any bends or twists, will further contribute to pressure resistance and impact overall performance.

	Hybrid 250
Voltage	220-240
Current (A)	0.25
Power (w)	57
Noise Level dB(A)	36
Capacity (m3/hr)	482
Capacity (l/s)	133.89
Capacity (CFM)	283.70
LED Light Power (w)	12
Light Lumens	1000
Light Colour Temperature	Tri-Colour 3000-6000
Duct Size (mm)	150

The Hybrid range is a high quality modern ceiling exhaust fan that can be connected to 150mm ducting. The Hybrid comes with a built in backdraft shutter and is available with either a round or square fascia. The fan comes with a lead and plug for easy DIY installation.



Model	A	B	C	D	Cutout
250	198	ø330	ø148	38	300

Minimum install depth on both models 220mm

# Luna Series

A modern exhaust fan with a whisper quiet ball bearing motor designed to ensure longevity.

High Airflow

Low Noise

DIY Install

2 Year

2 year replacement warranty

# Metro Series

A modern exhaust fan with a whisper quiet ball bearing motor designed to ensure longevity.

High Airflow

Low Noise

DIY Install

2 Year

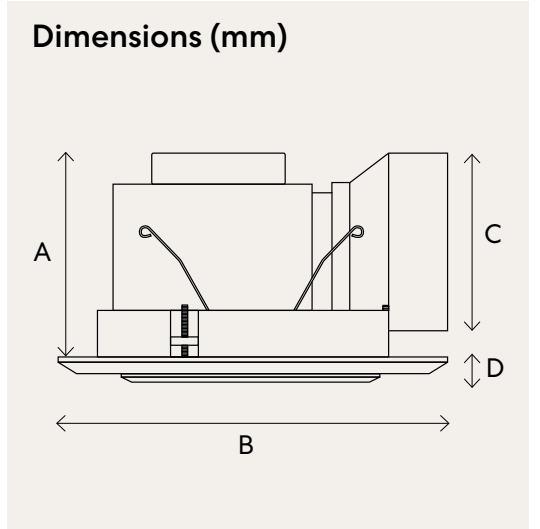
2 year replacement warranty

Luna PRO 200: ECFCL23W  
Luna Quiet Boost 250: ECFCL34W



	Luna 200	Luna 250
Voltage	240	240
Current (A)	0.113	0.146
Power (w)	25	42
Noise Level dB(A)	39.7	< 45
Capacity (m3/hr)	270	400
Capacity (l/s)	75	111.11
Capacity (CFM)	158.91	235.43
Duct Size (mm)	150	150

The Luna range is a high quality modern ceiling exhaust fan that can be connected to 150mm ducting. The Luna comes with a built in backdraft shutter and is available in two sizes. The fan comes with a lead and plug for easy DIY installation.



Model	A	B	C	D	Cutout
200	194	270	150	28	240
250	194	325	150	28	290

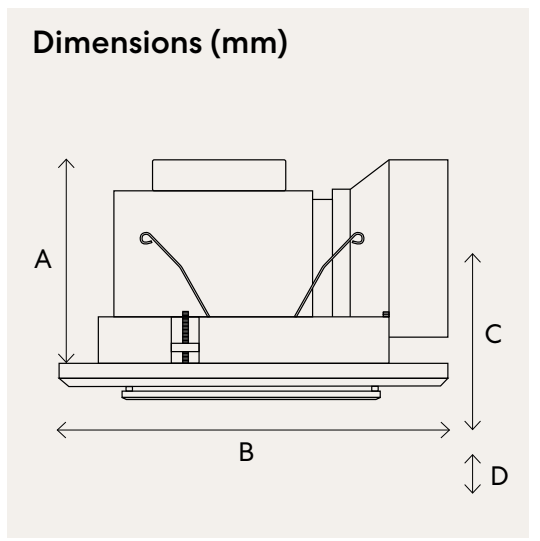
Minimum install depth on both models 220mm

Metro PRO 200: ECFCM23W  
Metro Quiet Boost 250: ECFCM34W



	Metro 200	Metro 250
Voltage	240	240
Current (A)	0.113	0.146
Power (w)	25	42
Noise Level dB(A)	39.7	< 45
Capacity (m3/hr)	270	400
Capacity (l/s)	75	111.11
Capacity (CFM)	158.91	235.43
Duct Size (mm)	150	150

The Metro range is a high quality modern ceiling exhaust fan that can be connected to 150mm ducting. The Metro comes with a built in backdraft shutter and is available in two sizes. The fan comes with a lead and plug for easy DIY installation.



Model	A	B	C	D	Cutout
200	194	270	150	28	240
250	194	325	150	28	290

Minimum install depth on both models 220mm

# Luna / Metro CCT LED Series

DIY  
Install

High  
Airflow

Low  
Noise

2  
Year

2 year  
replacement  
warranty

# Chico Series

The compact exhaust fan with  
ultra modern square fascia.

IP34  
Rated

Low  
Profile

Modern  
Design

2  
Year

2 year  
replacement  
warranty

Luna CCT LED Quiet Boost 250:   ECFCLL44W  
Metro CCT LED Quiet Boost 250:   ECFCML44W

The Luna/Metro Quiet Boost LED is a high quality modern ceiling exhaust fan that can be connected to 150mm ducting. Featuring a 14w Tri Colour LED light - choose from 3000k, 4200k or 6000k via a switch on the rear of the fascia.

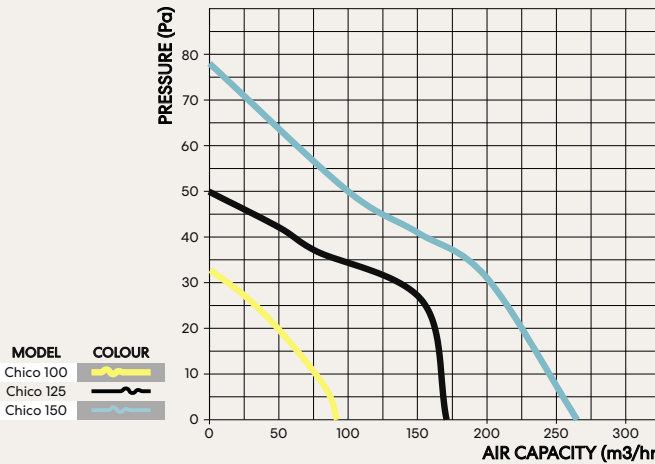


Luna



Metro

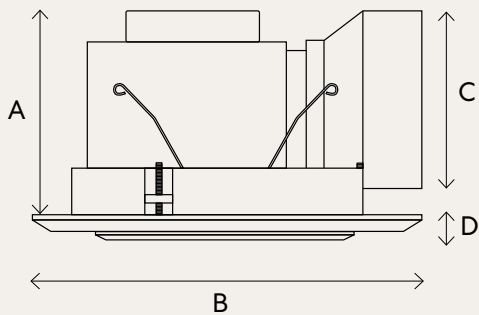
100 White:                   EMVULD1WH  
125 White:                   EMVULD2WH  
150 White:                   EMVULD3WH



Luna / Metro 250	
Voltage	240
Current (A)	0.146
Power (w)	42
Noise Level dB(A)	< 45
Capacity (m3/hr)	400
Capacity (l/s)	111.11
Capacity (CFM)	235.43
Duct Size (mm)	150

LED Light Specs	
Lumens	1000
Light Temp (k)	3000k, 4200k or 6000k
Power (w)	14

## Dimensions (mm)



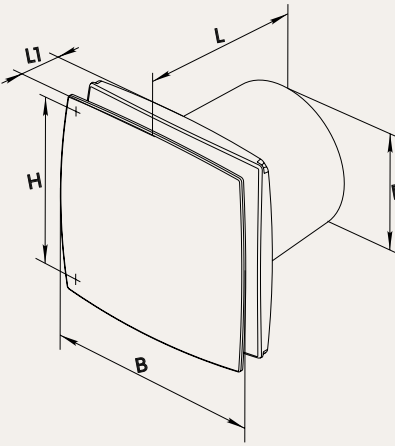
Model	A	B	C	D	Cutout
250	194	325	150	28	290

Minimum install depth 220mm  
Luna features a round fascia - Metro is square.

	100	125	150
Voltage	220-240	220-240	220-240
Current (A)	0.085	0.1	0.13
Power (w)	14	16	24
Noise Level dB(A)	33	34	37
Capacity (m3/hr)	88	166	264
Capacity (l/s)	24.46	46.42	73.67
Capacity (CFM)	79.51	98.36	156.08
Duct Size (mm)	100	125	150

The Chico range features a modern design with a capable exhaust fan. It is a ductable ceiling or wall mounted exhaust fan with a very modern low profile fascia, which makes it popular with interior designers and architects. The Chico includes a thin draft stopper and requires hard-wiring by an electrician.

## Dimensions (mm)



Model	D	B	L	L1	H
100	100	152	126	30	120
125	125	177	135	34	140
150	150	206	154	36	165



# S Series Range

The compact exhaust fan available in three sizes.

IP34 Rated

Low Profile

3 Sizes

2 Year

2 year replacement warranty

# LD Auto Series

The IP24 rated LD Auto features a modern design and aesthetic look with an attractive square fascia.

IP24 Rated

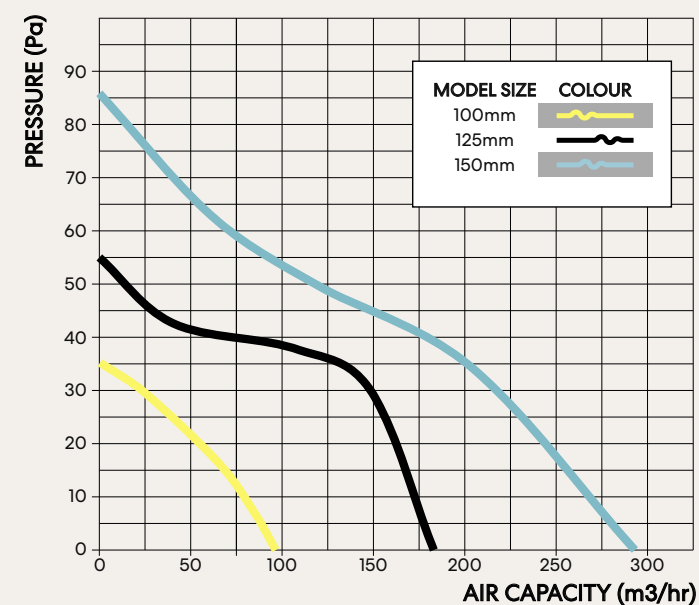
Low Profile

Ceiling or Wall

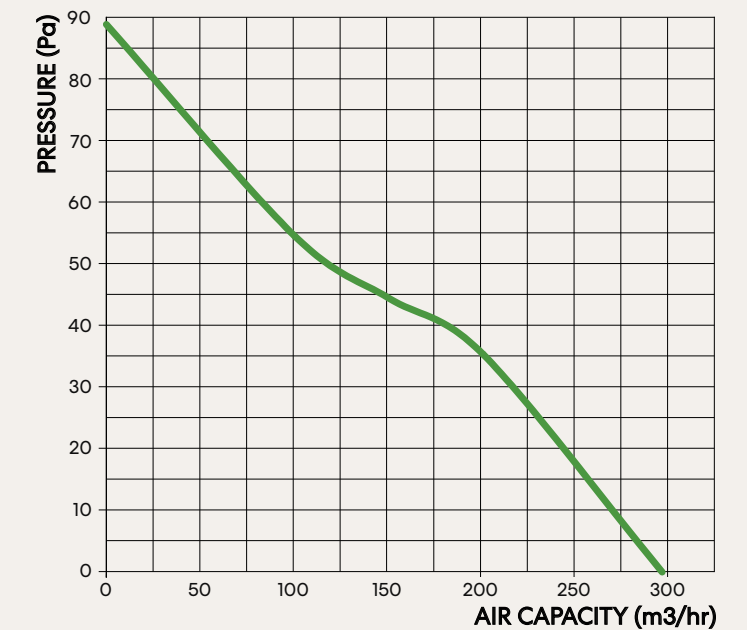
2 Year

2 year replacement warranty

100: EMVUSS1  
125: EMVUSS2  
150: EMVUSS3



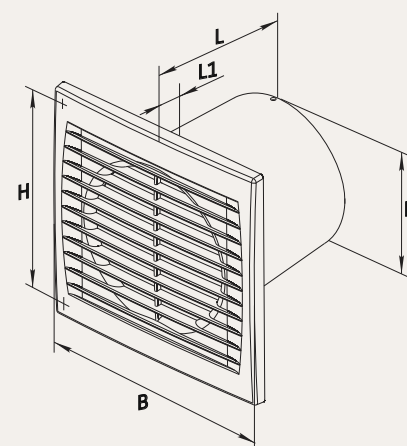
150 Auto Shutters: EMVULDA3WH



	100	125	150
Voltage	220-240	220-240	220-240
Current (A)	0.085	0.1	0.13
Power (w)	14	16	24
Noise Level dB(A)	34	35	38
Capacity (m3/hr)	95	180	292
Capacity (l/s)	26.41	50.04	81.17
Capacity (CFM)	79.51	106.02	171.98
Duct Size (mm)	100	125	150

The S Series range features a traditional design with a capable exhaust fan. It is a ductable ceiling or wall mounted exhaust fan which requires hard-wiring by an electrician.

Dimensions (mm)



Model	D	B	L	L1	H
100	100	150	108	12	120
125	125	176	114	13	140
150	150	205	132	14	165

Voltage	220-240
Current (A)	0.13
Power (w)	26
Noise Level dB(A)	39
Capacity (m3/hr)	295
Capacity (l/s)	81.94
Capacity (CFM)	173.62
Duct Size (mm)	150

The built in auto shutter provides automatic opening/closing once the unit is turned on/off. The impeller design enhances the fan efficiency and prolongs the motor service life. This fan is well suited for walls with limited cavity space – the flange requires only 81mm (dimension L1). It is a ductable ceiling or wall mounted exhaust fan which requires hard-wiring by an electrician.

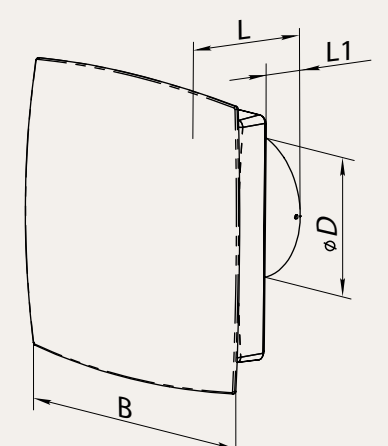
Fan Off - Shutters Closed



Fan On - Shutters Open



Dimensions (mm)



Model	D	B	L	L1
150	150	240	137	81

# Quiet 150 Series

The Quiet 150 is a ceiling or wall mounted exhaust fan which has been specifically engineered to operate quietly.

IP45  
Rated

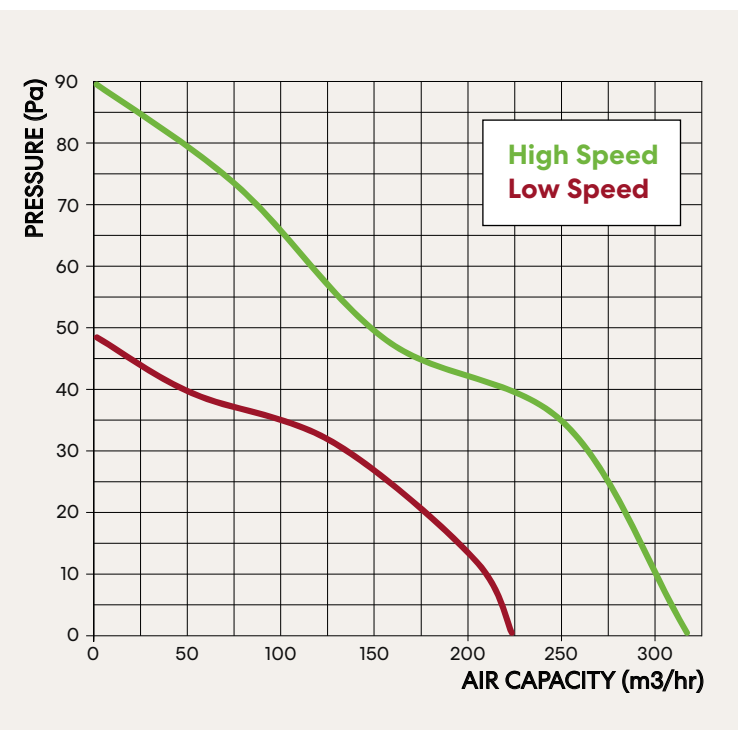
Low  
Noise

Ceiling  
or  
Wall

2  
Year

2 year  
replacement  
warranty

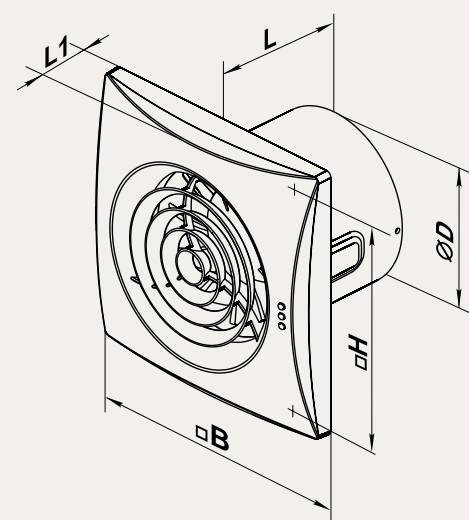
Quiet 150: EMVUQT3



	Low	High
Voltage	230	230
Current (A)	0.08	0.09
Power (w)	17	19
Noise Level dB(A)	28	33
Capacity (m3/hr)	220	315
Capacity (l/s)	61.11	87.5
Capacity (CFM)	129.48	185.40
Duct Size (mm)	150	150

The Quiet 150 is a ceiling or wall mounted exhaust fan which has been specifically engineered to operate quietly. The unit has a two speed motor. The desired speed is achieved by wiring the fan to the relevant speed setting. This fan is relatively unique as it has anti vibration technology which helps to further reduce noise generated from the motor.

Dimensions (mm)



Model	D	B	L	L1	H
150	147.5	214	111	32	190

# Valerie Series

A high quality window mounted fan designed for domestic use. Most commonly installed in bathrooms and kitchens & available in two sizes.

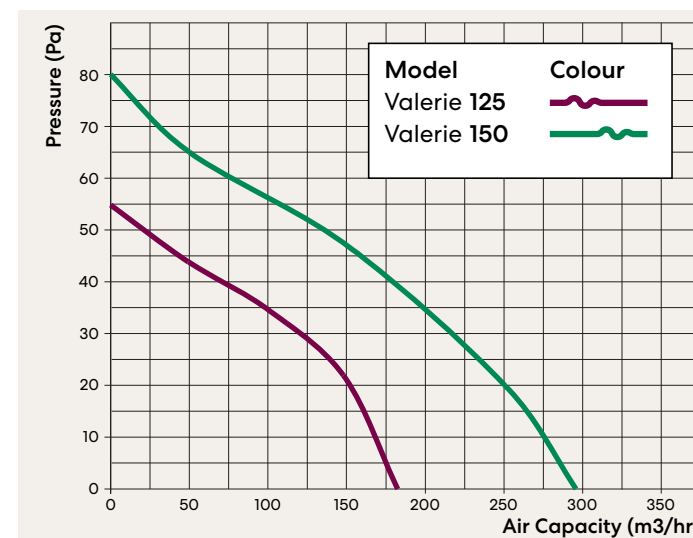
IP24  
Rated

ABS  
Plastic

2  
Year

2 year  
replacement  
warranty

Valerie 125: EWWUMA1  
Valerie 150: EWWUMA2



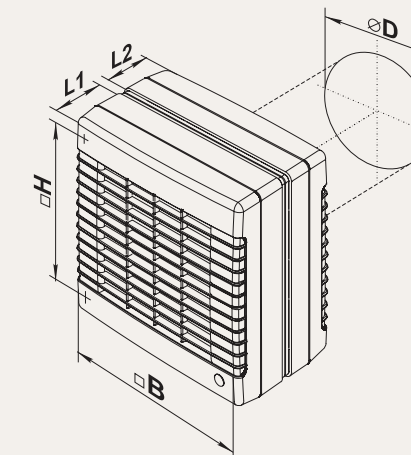
The Valerie can also be installed on a wall and may actually be well suited to wall installation with limited cavity space. If you intend to use this fan as a wall mounted fan, the easiest thing to do is to discard the provided rear and replace this with a more suitable external vent.



	Valerie 125	Valerie 150
Voltage	220-240	220-240
Current (A)	0.1	0.13
Power (w)	22	26
Noise Level dB(A)	35	41
RPM (min-1)	2400	2400
Capacity (m3/hr)	185	295
Capacity (l/s)	51.43	82.01
Capacity (CFM)	108.96	173.75
Wall Hole Size (mm)	130	155
Window Hole Size (mm)	150-160	175-194
Protection Rating	IP24	IP24

This fan requires hard-wiring by an electrician.












Dimensions (mm)



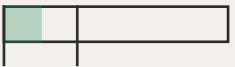
Model	D	B	L1	L2	H
125	125	190	58	53	173
150	150	212	66	60	195



# Inline & Commercial Product Index

Model			Page	Size	Duct Diameter		Max Extraction Rate				Noise Level*
TT Silent	Mixflow		18-19	150 RV	150	mm	555	<div><div></div></div>			33
				200 RV	200	mm	1020	<div><div></div></div>			36
				250	250	mm	1330	<div><div></div></div>			38
				315	350	mm	2050	<div><div></div></div>			40
SM Silent	Mixflow		20-21	150	150	mm	530	<div><div></div></div>			TBC
				200	200	mm	840	<div><div></div></div>			TBC
SM Silent Eco	Mixflow		22-23	150	150	mm	602	<div><div></div></div>			TBC
				200	200	mm	1250	<div><div></div></div>			TBC
TT	Mixflow		24-25	100	100	mm	187	<div><div></div></div>			36
				125	125	mm	280	<div><div></div></div>			37
				150/ RV	150	mm	520	<div><div></div></div>			44
				200 RV	200	mm	1040	<div><div></div></div>			52
				250	250	mm	1400	<div><div></div></div>			55
				315	350	mm	2050	<div><div></div></div>			58
SM	Mixflow		26-27	150	150	mm	530	<div><div></div></div>			TBC
				200	200	mm	840	<div><div></div></div>			TBC
				250	250	mm	1405	<div><div></div></div>			TBC
				315	350	mm	2206	<div><div></div></div>			TBC
VKM	Centrifugal		28-29	100	100	mm	270	<div><div></div></div>			47
				125	125	mm	355	<div><div></div></div>			47
				150	150	mm	580	<div><div></div></div>			45
				200	200	mm	1100	<div><div></div></div>			45
				250	250	mm	1310	<div><div></div></div>			52
				315	350	mm	1880	<div><div></div></div>			54
VK	Centrifugal		30	100	100	mm	250	<div><div></div></div>			46
				150	150	mm	460	<div><div></div></div>			46
				200	200	mm	930	<div><div></div></div>			51
SM	Centrifugal		31	100	100	mm	255	<div><div></div></div>			TBC
				150	150	mm	533	<div><div></div></div>			TBC
				200	200	mm	888	<div><div></div></div>			TBC
VKO	Axial		32	100	100	mm	135	<div><div></div></div>			38
				125	125	mm	243	<div><div></div></div>			39
				150	150	mm	358	<div><div></div></div>			44
VKO Premium	Axial		33	150	150	mm	335	<div><div></div></div>			39
VCN	Centrifugal		34	125	125	mm	390	<div><div></div></div>			54
				150	150	mm	600	<div><div></div></div>			58
				200	200	mm	710	<div><div></div></div>			62
OV1	Axial		35	250	250	mm	1070	<div><div></div></div>			48
				315	350	mm	1700	<div><div></div></div>			54
				350	400	mm	2500	<div><div></div></div>			62

## Basic Application Guide



Typically suited to domestic application, e.g. bathroom



More demanding domestic applications / light commercial



Very high extraction, typically suited to commercial applications

\*Noise level measured in dB(A) and based on max extraction rate\*

Extraction rate measured in m3/hr

# TT Silent Series

The premium mixflow inline exhaust fan engineered to operate quietly.

IPX4 Rated

Low Noise

European Motor

2 Year replacement warranty

- 150: EXVUTTS150RV  
200: EXVUTTS200RV  
250: EXVUTTS250  
315: EXVUTTS315

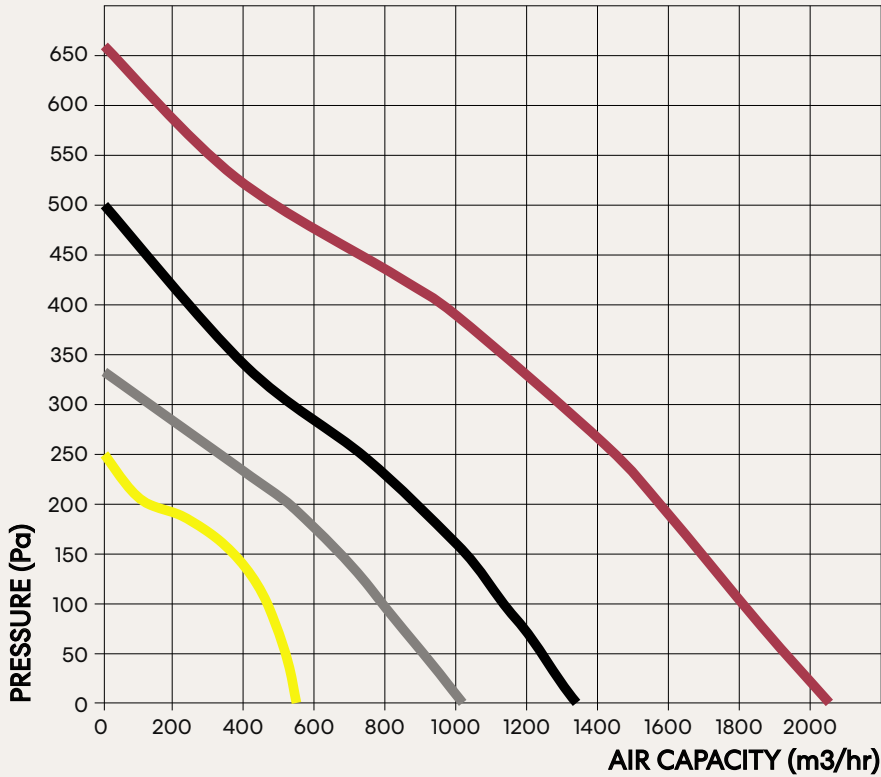
RV models include lead & plug + 2 position speed switch. These models cannot be wired to an external speed controller.



	150 RV Low / High	200 RV Low / High	250 Low / High	315 Low / High
Voltage	230	230	230	230
Current (A)	0.20 / 0.23	0.35 / 0.49	0.54 / 0.79	1.0 / 1.42
Power (w)	45 / 52	78 / 110	125 / 177	230 / 320
Noise Level dB(A)	26 / 33	31 / 36	34 / 38	36 / 40
Capacity (m3/hr)	405 / 555	810 / 1020	1110 / 1330	1570 / 2050
Capacity (l/s)	113 / 154	225 / 284	308 / 389	436 / 569
Capacity (CFM)	239 / 327	477 / 601	653 / 824	924 / 1207
Duct Size (mm)	150	200	250	315*

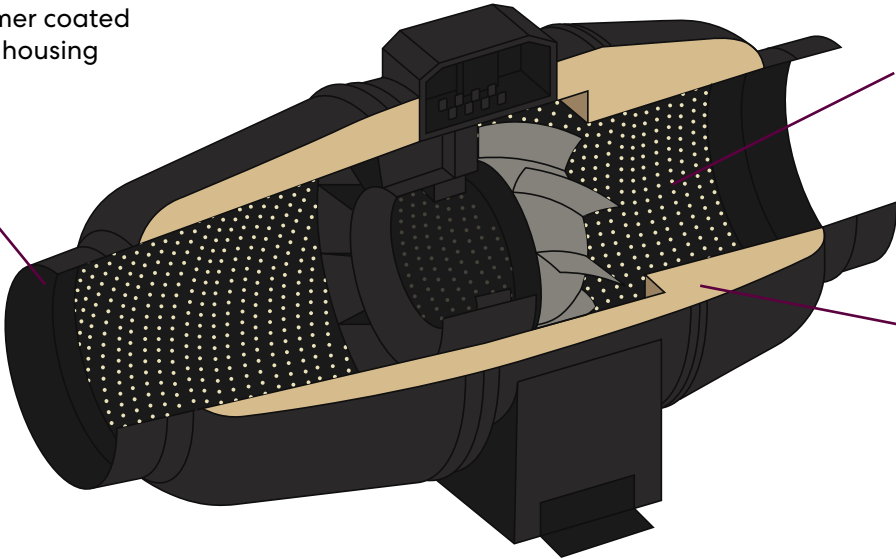
Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

\*We recommend using 350mm diameter flexible ducting



MODEL	COLOUR
TTs 150	Yellow
TTs 200	Grey
TTs 250	Black
TTs 315	Red

Durable polymer coated steel external housing

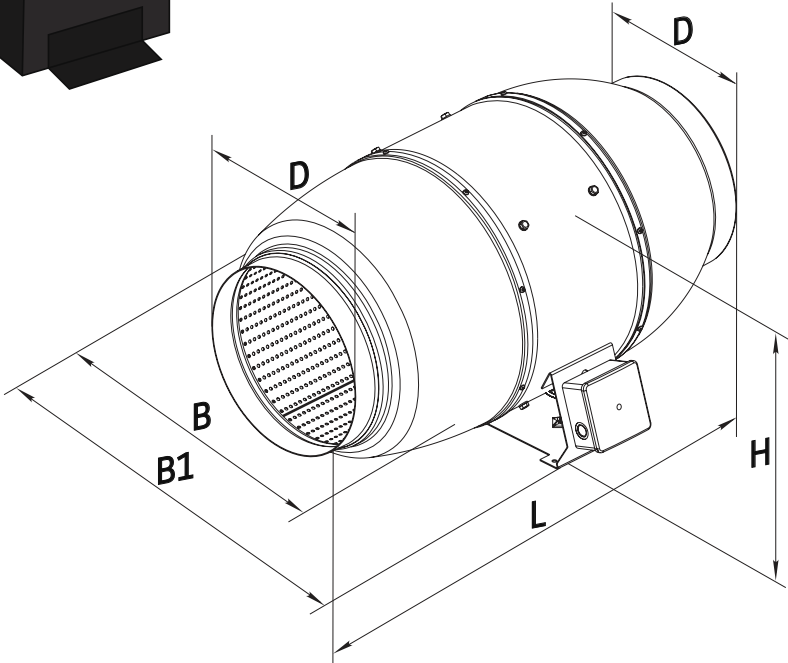


Inner perforations engineered to absorb noise

High quality 50mm mineral wool insulation

### Dimensions (mm)

Model	D	B	B1	L	H
150	147	247	274	580	260
200	198	293	386	550	295
250	248	358	445	658	360
315	313	432	520	780	434



# SM Silent Series

Silent mixflow exhaust fan constructed from plastic in two popular sizes.

- IP44 Rated
- Low Noise
- DIY Install
- 1 Year  
1 year replacement warranty

150: EXHGHDS150  
200: EXHGHDS200

The fan comes with a lead and plug for DIY installation. The fan is wired to the high speed & does not have a speed switch. The fan can be wired to the low speed by an electrician if required.



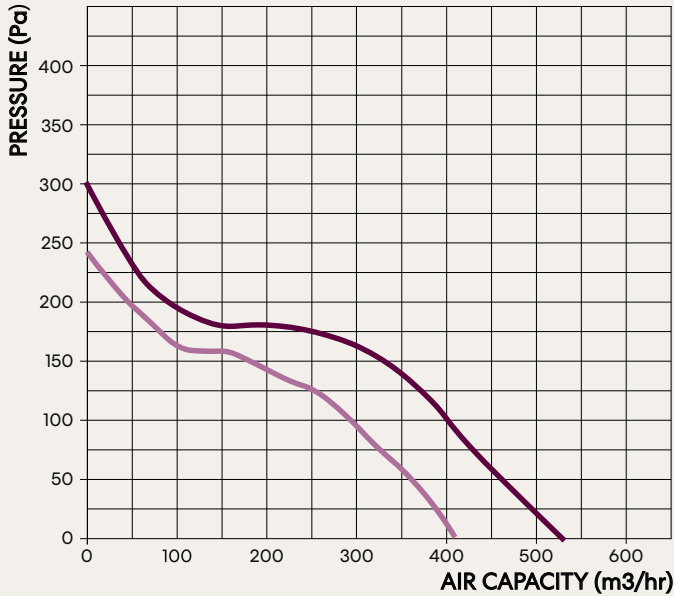
The all plastic construction includes inner perforations to reduce noise. The unit is wrapped in sound absorbing insulation which is contained within the black plastic housing.



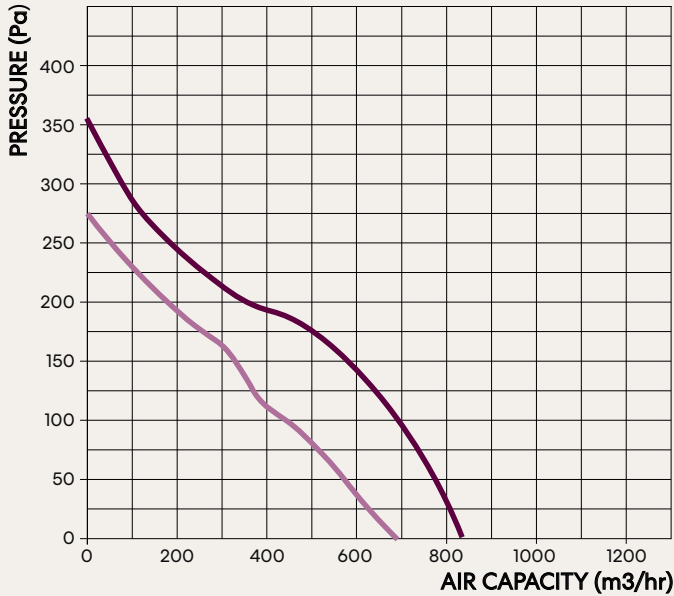
	150 Low / High	200 Low / High
Voltage	220 - 240	220 - 240
Current (A)	0.20 / 0.25	0.52 / 0.57
Power (w)	43 / 50	123 / 128
Noise Level dB(A)	TBC	TBC
Capacity (m3/hr)	410 / 530	690 / 840
Capacity (l/s)	113.89 / 147.22	191.67 / 233.33
Capacity (CFM)	241.32 / 311.94	406.12 / 494.40
Duct Size (mm)	150	200

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

150 Model  
EXHGHDS150  
Low / High



200 Model  
EXHGHDS200  
Low / High

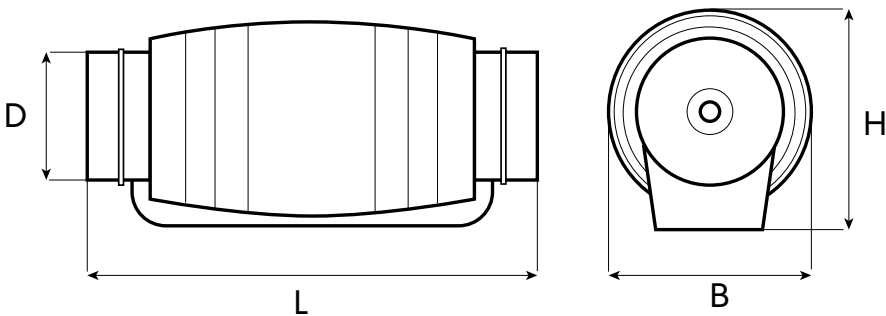


Central motor can easily be removed from the mounting bracket, which also has the inlet & outlet flanges built in.



Dimensions (mm)

Model	D	B	L	H
150	149	221	488	244
200	198	262	567	301





# SM Silent Eco Series

Silent Inline fan with energy saving EC motor. This model provides superior extraction with higher pressure characteristics.

IP44 Rated

Low Noise

EC Motor

1 Year

1 year replacement warranty

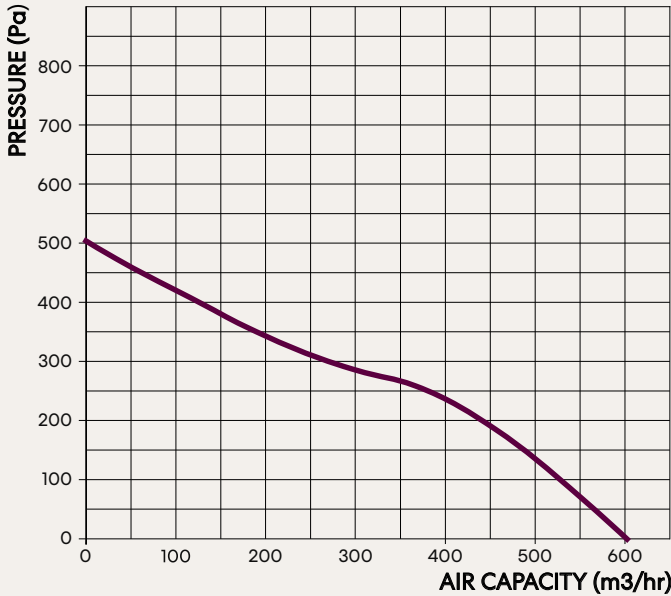


150: EXHGHDE150

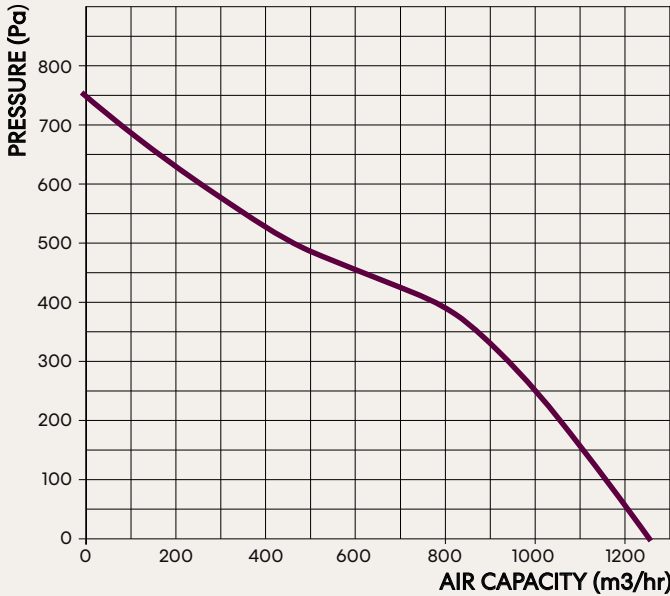
200: EXHGHDE200

The fan comes with a lead and plug for DIY installation. The EC motor provides excellent performance against pressure as illustrated by the pressure curves.

150 Model  
EXHGHDE150



200 Model  
EXHGHDE200



The all plastic construction includes inner perforations to reduce noise. The unit is wrapped in sound absorbing insulation which is contained within the black plastic housing.



Central motor can easily be removed from the mounting bracket, which also has the inlet & outlet flanges built in.

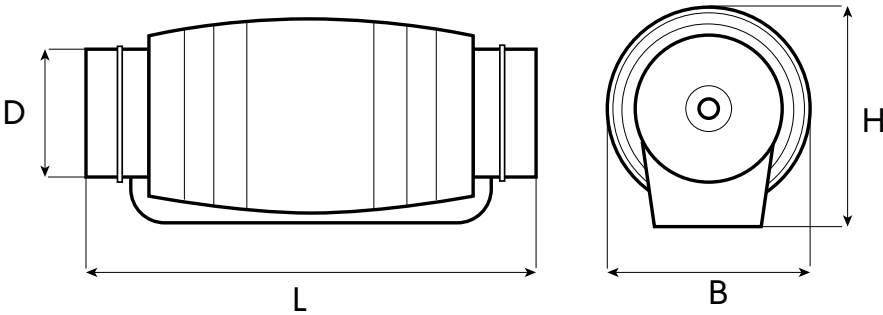


	150	200
Voltage	220 - 240	220 - 240
Current (A)	0.94	1.05
Power (w)	70	165
Noise Level dB(A)	TBC	TBC
Capacity (m3/hr)	602	1250
Capacity (l/s)	167.22	347.22
Capacity (CFM)	354.32	735.32
Duct Size (mm)	150	200

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

Dimensions (mm)

Model	D	B	L	H
150	149	221	488	244
200	198	262	567	301



# TT Mixflow Series

ABS mixflow inline fan suitable for both domestic and commercial applications in a wide range of sizes.

IPX4 Rated

Low Noise

European Motor

2 Year

2 year replacement warranty

- 100:

EXVUTT100
- 125:

EXVUTT125
- 150:

EXVUTT150
- 150:

EXVUTT150RV
- 200:

EXVUTTP200RV
- 250:

EXVUTTP250
- 315:

EXVUTTP315



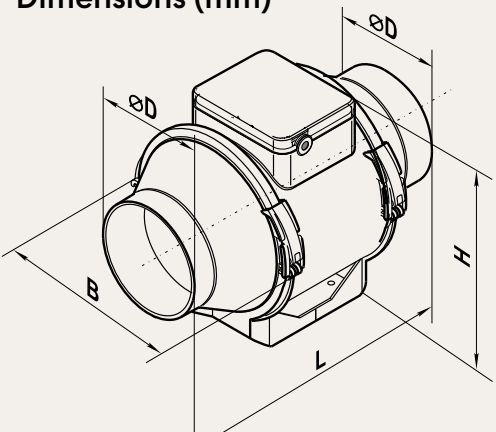
**RV** models include lead & plug + 2 position speed switch. These models cannot be wired to an external speed controller.



The casing is made of high quality durable plastic

Model	D	B	L	H
100	96	167	246	190
125	123	167	246	190
150	146	223	295	250
200	199	239	295	247
250	247	287	383	323
315	310	362	445	408

Dimensions (mm)

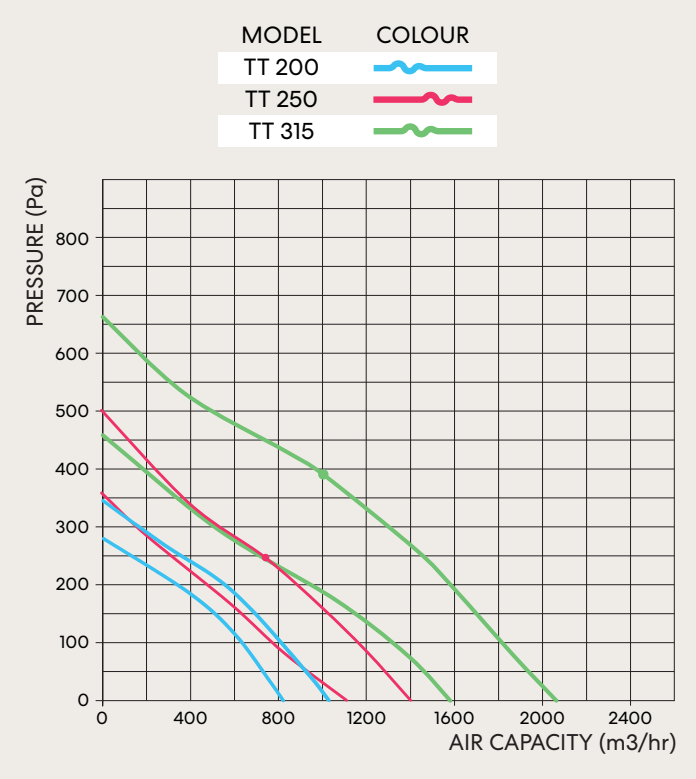
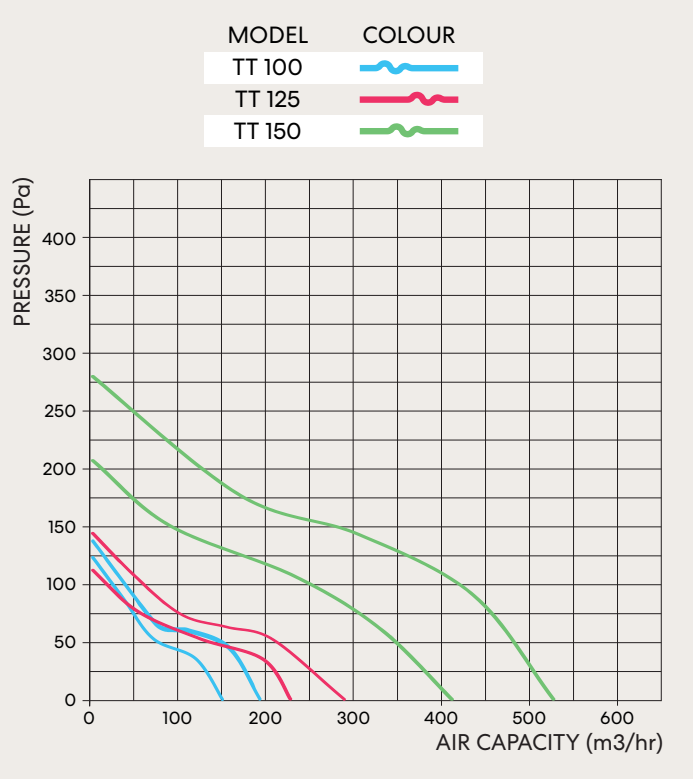


	100 Low/High	125 Low/High	150 / 150RV Low/High	200 / 200RV Low/High	250 Low/High	315 Low/High
Voltage	230 / 230	230 / 230	230 / 230	230 / 230	230 / 230	230 / 230
Current (A)	0.11 / 0.21	0.18 / 0.27	0.17 / 0.27	0.34 / 0.48	0.54 / 0.79	1 / 1.42
Power (w)	21 / 33	23 / 37	30 / 60	76 / 108	125 / 177	230 / 320
Noise Level dB(A)	27 / 36	28 / 37	33 / 44	45 / 52	47 / 55	49 / 58
Capacity (m3/hr)	145 / 187	220 / 280	405 / 520	830 / 1040	1110 / 1400	1570 / 2050
Capacity (l/s)	40.31 / 51.98	61.16 / 77.84	112.59 / 144.56	230.74 / 289.12	308.58 / 389.2	436.56 / 569.9
Capacity (CFM)	85.40 / 110.14	129.58 / 164.92	238.54 / 306.28	488.87 / 612.56	653.79 / 824.6	924.73 / 1207.5
Duct Size (mm)	100	125	150	200	250	315*

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80%.

\*We recommend using 350mm diameter flexible ducting

Central motor can easily be removed from the mounting bracket, which also has the inlet & outlet flanges built in.





# SM Mixflow Series

A capable mixflow inline fan available in 4 popular sizes.

IP44  
Rated

2  
Speeds

DIY  
Install

1  
Year  
1 year  
replacement  
warranty

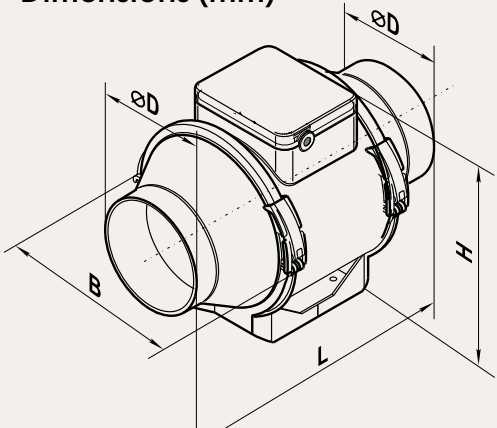
- 150: EXHGF150  
200: EXHGF200  
250: EXHGF250  
315: EXHGF315

The fan comes with a lead and plug for DIY installation. The fan is wired to the high speed & does not have a speed switch. The fan can be wired to the low speed by an electrician if required.



Model	D	B	L	H
150	147	227	313	208
200	197	249	302	237
250	247	310	383	286
315	312	386	446	357

Dimensions (mm)

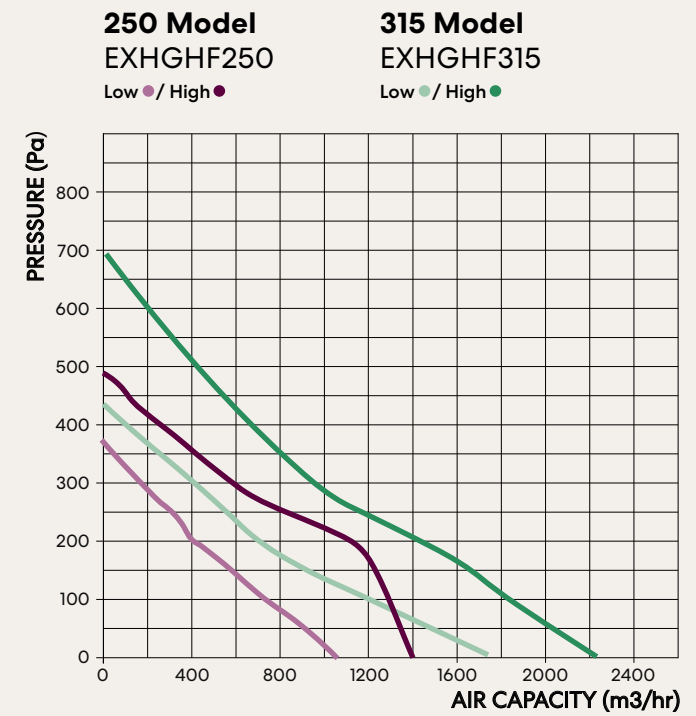
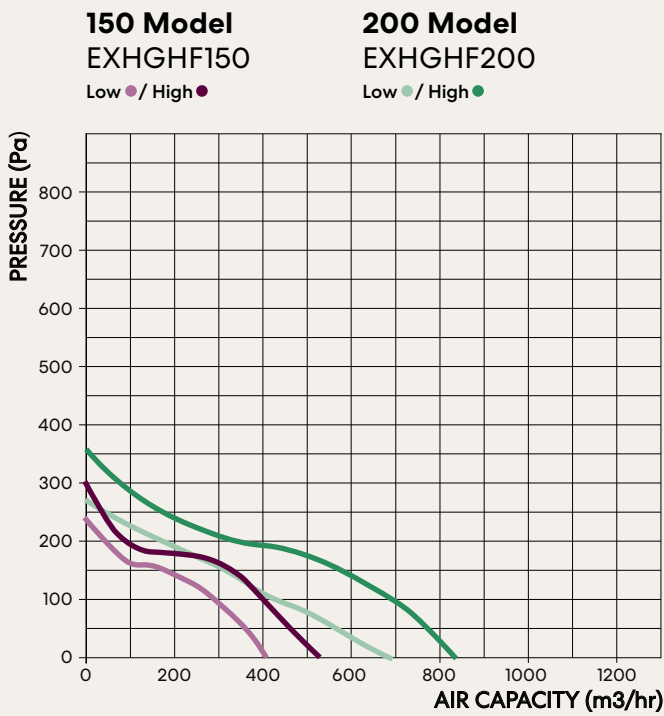


	150 Low/High	200 Low/High	250 Low/High	315 Low/High
Voltage	220 - 240	220 - 240	220 - 240	220 - 240
Current (A)	0.19 / 0.22	0.52 / 0.53	0.75 / 1.20	1.40 / 1.90
Power (w)	44 / 54	123 / 128	165 / 255	275 / 390
Noise Level dB(A)	TBC	TBC	TBC	TBC
Capacity (m3/hr)	410 / 530	690 / 840	1064 / 1405	1750 / 2206
Capacity (l/s)	113.89 / 147.22	191.66 / 233.33	295.56 / 390.27	486.11 / 612.78
Capacity (CFM)	241.32 / 311.94	406.10 / 494.39	626.25 / 826.94	1030 / 1298.40
Duct Size (mm)	150	200	250	315*

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

\*We recommend using 350mm diameter flexible ducting

Central motor can easily be removed from the mounting bracket, which also has the inlet & outlet flanges built in.



# VKM Series

All metal centrifugal inline fan offering exceptional performance when ducted long distances.

IPX4  
Rated

Blauberg  
Motoren  
Motor

European  
Made

2  
Year  
2 year  
replacement  
warranty

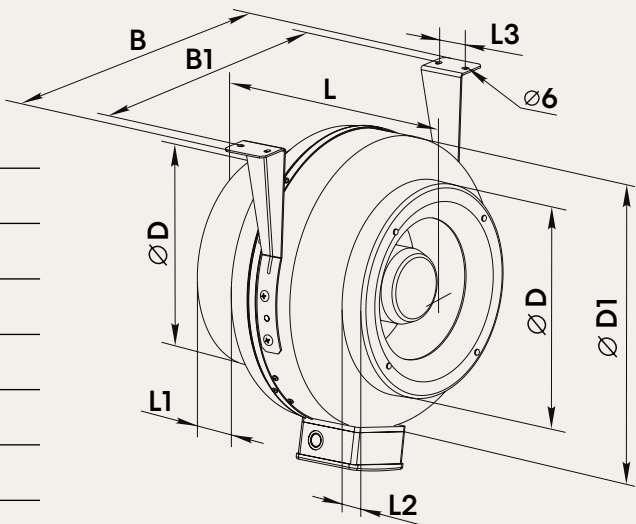
- 100: EXVUV100
- 125: EXVUV125
- 150: EXVUV150B
- 200: EXVUV200
- 250: EXVUV250
- 315: EXVUV315

All models can be used with the ESEEAS speed controller. This is a dimmer style speed switch.



Dimensions (mm)

Model	100	125	150	200	250	315
D	98	123	149	198	248	314
D1	254	254	304	344	344	404
B	298	298	349	390	390	454
B1	258	258	309	350	350	414
L	205	205	220	240	249	260
L1	20	20	25	25	25	25
L2	25	25	25	29	31	40
L3	30	30	30	40	40	40

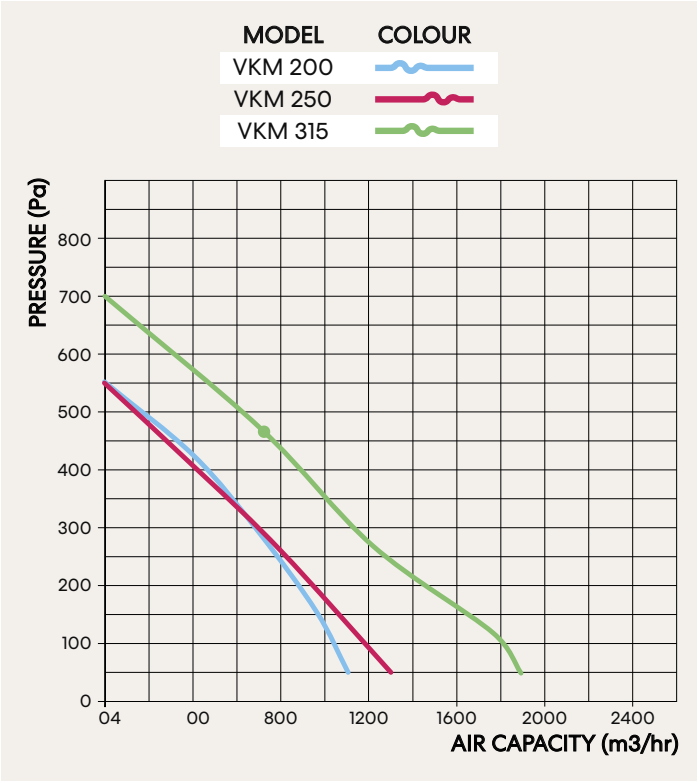
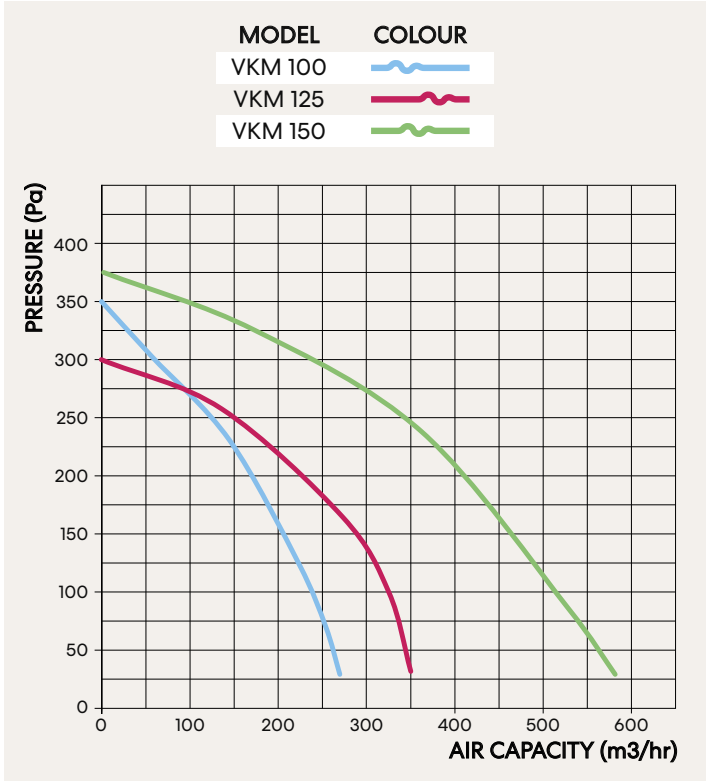


	100 High	125 High	150 High	200 High	250 High	315 High
Voltage	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240
Current (A)	0.32	0.33	0.45	0.84	0.85	1.34
Power (w)	73	75	100	193	194	296
Noise Level dB(A)	47	47	45	45	52	54
Capacity (m3/hr)	270	355	580	1100	1310	1880
Capacity (l/s)	75.06	98.69	161.11	305.8	364.18	522.64
Capacity (CFM)	159.03	209.09	341.38	647.9	771.59	1107.32
Duct Size (mm)	100	125	150	200	250	315*

Maximum temperature of transferred air 45°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

\*We recommend using 350mm diameter flexible ducting

Includes mounting brackets for secure installation.



# VK Centrifugal Series

High pressure and powerful centrifugal inline exhaust fan.

IPX4  
Rated

Blauberg  
Motoren  
Motor

German  
Made

2  
Year

2 year  
replacement  
warranty

100: EXVUVP100  
150: EXVUVP150  
200: EXVUVP200

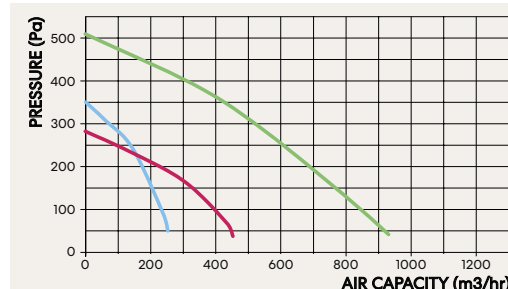
All models can be used with the ESEEAS speed controller. This is a dimmer style speed switch.



The external casing is made of corrosion resistant durable plastic. All motors also include thermal overheating protection.

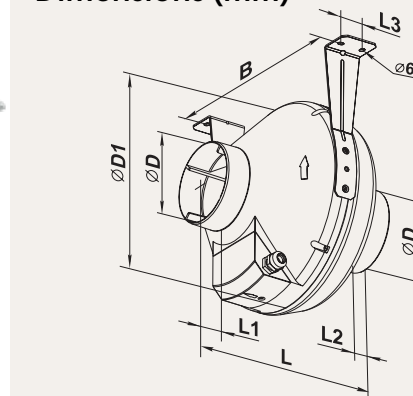
	100	150	200
Voltage	230	230	230
Current (A)	0.34	0.35	0.76
Power (w)	80	80	173
Noise Level dB(A)	46	46	51
Capacity (m3/hr)	250	460	930
Capacity (l/s)	69.5	127.88	258.54
Capacity (CFM)	147.25	270.94	547.77
Duct Size (mm)	100	150	200

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.



MODEL	COLOUR
VK 100	Blue
VK 150	Red
VK 200	Green

Dimensions (mm)



Model	100	150	200
D	100	150	200
D1	250	300	340
B	270	310	354
L	230	286	276
L1	30	30	30
L2	27	30	30
L3	30	30	40

# SM Centrifugal Series

High pressure and powerful centrifugal inline exhaust fan.

IP44  
Rated

1  
Year

1 year  
replacement  
warranty

100: EXHGHE100  
150: EXHGHE150  
200: EXHGHE200

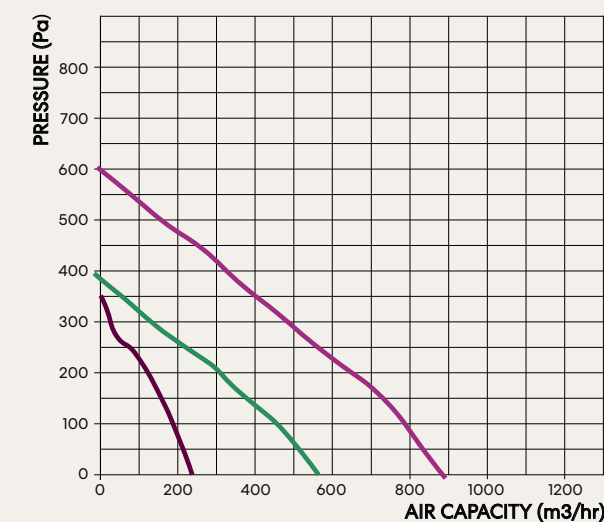


The fan comes with a lead and plug for DIY installation.

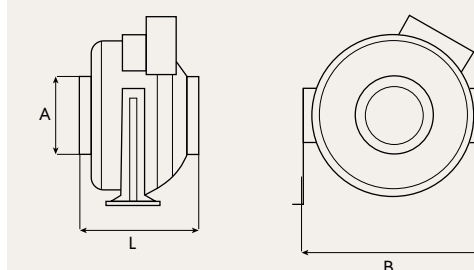
	100	150	200
Voltage	220 - 240	220 - 240	220 - 240
Current (A)	0.24	0.27	0.58
Power (w)	51	61	124
Noise Level dB(A)	TBC	TBC	TBC
Capacity (m3/hr)	255	533	888
Capacity (l/s)	70.83	148.06	246.67
Capacity (CFM)	150.09	313.71	522.67
Duct Size (mm)	100	150	200

Maximum temperature of transferred air 60°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

100 Model EXHGHE100  
150 Model EXHGHE150  
200 Model EXHGHE200



Dimensions (mm)



Model	100	150	200
A	97	148	198
B	331	357	418
L	229	229	259



# VKO Series

The compact axial inline fan available in three sizes.

IPX4  
Rated

Low  
Noise

European  
Motor

2  
Year

2 year  
replacement  
warranty

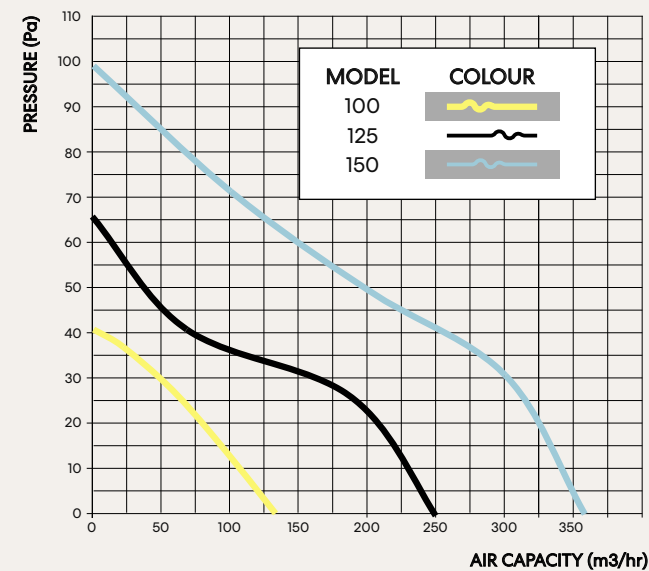
100: EXVUVKO1  
125: EXVUVKO2  
150: EXVUVKO3

Single speed motor cannot be used with a speed control.

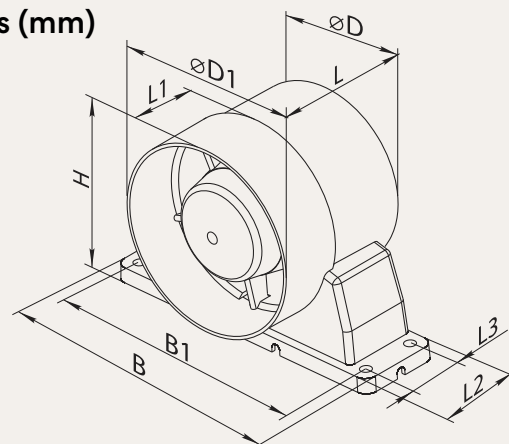


	100	125	150
Voltage	220 - 240	220 - 240	220 - 240
Current (A)	0.1	0.105	0.13
Power (w)	16	24	29
Noise Level dB(A)	38	39	44
Capacity (m3/hr)	135	243	358
Capacity (l/s)	37.53	67.55	99.52
Capacity (CFM)	79.51	143.12	210.86
Duct Size (mm)	100	125	150

Maximum temperature of transferred air 40°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.



Dimensions (mm)



Model	D	D1	L	L1	H	B	B1	L2	L3
100	100	104	91	31	114	160	144	45	29
125	125	129	93	31	139	185	169	45	29
150	150	154	108	46	163	200	184	45	29

# VKO Premium

A premium axial fan offering inbuilt anti-vibration components with a lower noise output.

IPX4  
Rated

Low  
Noise

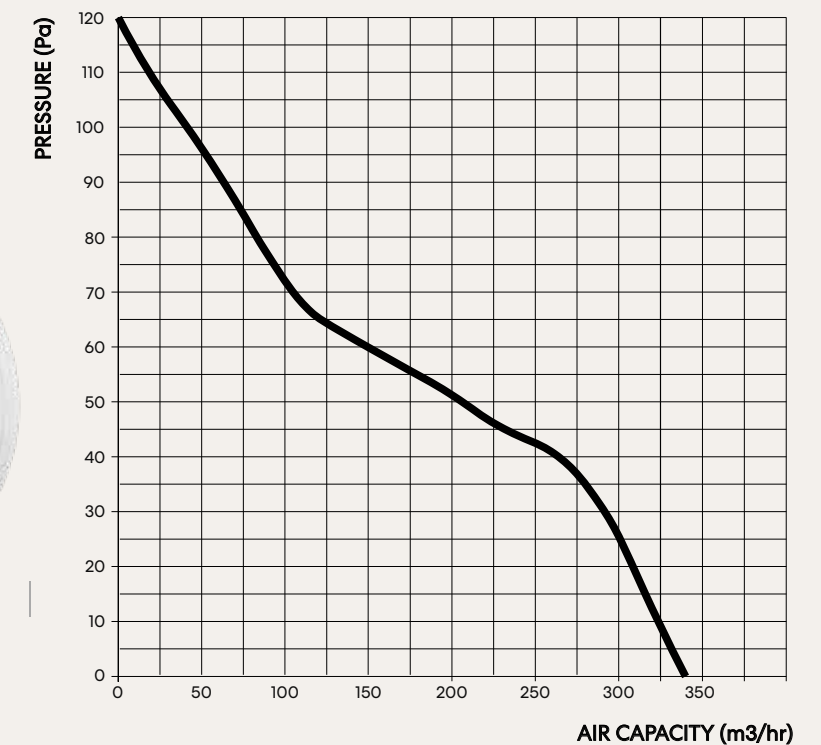
European  
Motor

2  
Year

2 year  
replacement  
warranty

150: EXVUVKOQ3

Single speed motor cannot be used with a speed control.

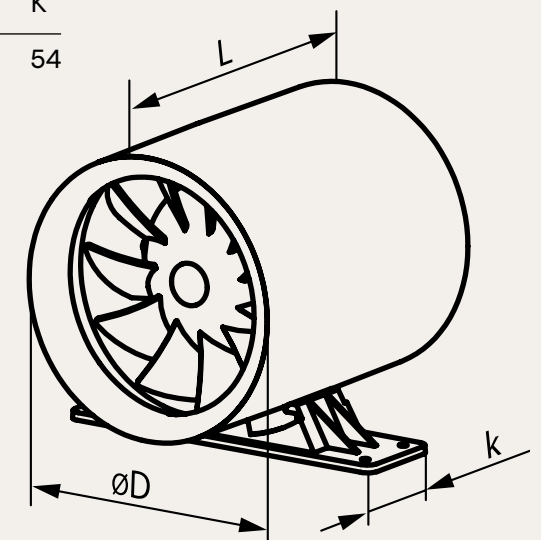


	150 Model
Voltage	220 - 240
Current (A)	0.1
Power (w)	22
Noise Level dB(A)	39
Capacity (m3/hr)	335
Capacity (l/s)	92
Capacity (CFM)	197.17
Duct Size (mm)	150

Maximum temperature of transferred air 40°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

Dimensions (mm)

D	L	K
150	182	54



# VCN Series

An externally mounted centrifugal fan offering a high extraction rate as well as excellent performance when ducted.

IPX4  
Rated

Blauberg  
Motoren  
Motor

European  
Made

2  
Year

2 year  
replacement  
warranty

125: EWWUVCN2  
150: EWWUVCN3  
200: EWWUVCN4

All models can be used with the ESEEAS speed controller. This is a dimmer style speed switch.

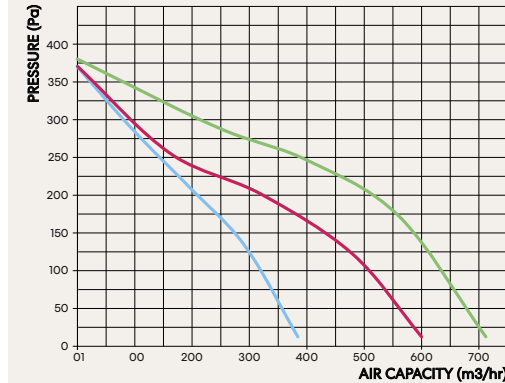


Air is expelled via the grate at the bottom of the unit.

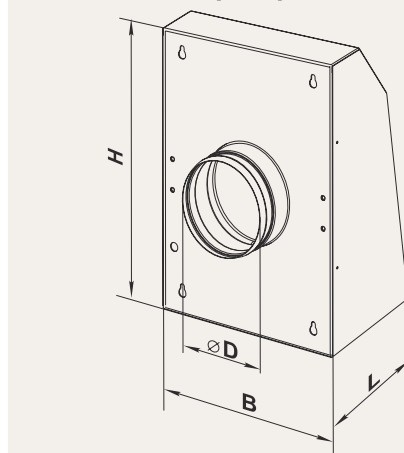
The unit is designed for mounting on an external wall. The bottom of the fan has a rodent proof guard. All motors also include thermal overheating protection.

	125 High	150 High	200 High
Voltage	230	230	230
Current (A)	0.27	0.43	0.45
Power (w)	60	100	104
Noise Level dB(A)	54	58	62
Capacity (m3/hr)	390	600	710
Capacity (l/s)	108.42	166.8	197.38
Capacity (CFM)	229.71	353.4	418.19
Duct Size (mm)	125	150	200

Maximum temperature of transferred air 55°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.



Dimensions (mm)



Model	125	150	200
D	124	149	199
H	355	400	400
B	260	300	300
L	138	138	138

# OV Series

A quality commercial grade axial exhaust fan offering a high extraction rate. Available in three sizes.

IP24  
Rated

European  
Made

High  
Airflow

2  
Year

2 year  
replacement  
warranty

OV1 250:  
ECVUOV250

OV1 315:  
ECVUOV315

OV 4E 350:  
ECVUOV350E



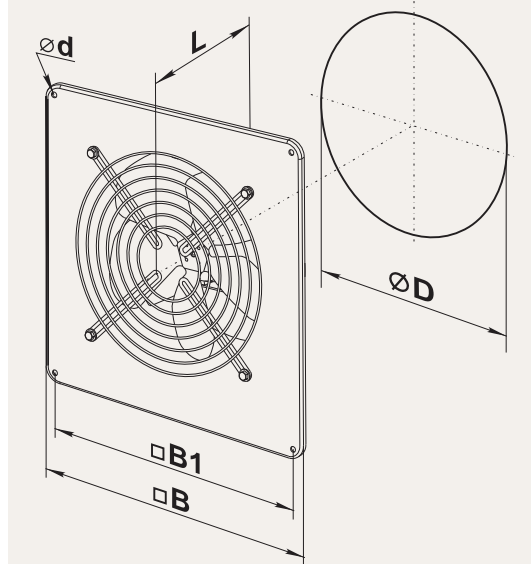
All models can be used with the ESEEAS speed controller. This is a dimmer style speed switch.



	OV1 250	OV1 315	OV 4E 350
Voltage	230	230	220-240
Current (A)	0.48	0.75	0.65
Power (w)	68	110	140
Noise Level dB(A)	48	54	62
Capacity (m3/hr)	1070	1700	2500
Capacity (l/s)	297.46	472.6	694.44
Capacity (CFM)	630.23	1001.3	1471.44
Duct Size (mm)	250	315	400

Maximum temperature of transferred air 40°. The fan is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

Dimensions (mm)



Model	OV1 250	OV1 315	OV 4E 350
B	370	430	485
B1	320	380	435
D	ø262	ø312	ø388
L	140	170	200
d	ø7	ø9	ø9

The Fanco OV1 and OV 4E are suitable only for internal wall or ceiling mounting. It can however be connected to duct so that air may be exhausted out of the house.



# Heat Recovery

Improve indoor air quality & introduce fresh filtered air.



## Key Benefits of Heat Recovery Ventilation



Significantly improve indoor air quality – ideal for allergy or Asthma sufferers.



Introduce fresh & filtered outdoor air into the home whilst maintaining temperature.



Reduce the build-up of condensation and stale air - Prevent mould and mildew.



Save on heating & cooling costs, ventilation becomes energy efficient.

- Heating and cooling otherwise lost through open windows is retained. Practically speaking you may not need to run your heating as high in winter which equates to power bill savings.
- Leaving a window open whilst running heating can result in the loss of approx 50% of heating energy.
- Prevent mould growth and damage by removing water vapour.
- Reduction of harmful emissions, examples of which include toxins from household cleaners or Carbon Monoxide, Sulphur Dioxide and Nitrogen Oxide from heating and cooling.
- Ensure an equilibrium of pressure – this means the amount of air entering and leaving the living space is the same.
- A heat recovery system is also a wise addition if you are renovating an older house and in the process implement changes to improve thermal performance (for example install insulation, new double glazed windows or covering trickle vents).

## An introduction to our Models

We have two decentralised heat recovery models available, the Habitat Expert and the Habitat Expert SMART. These units feature high-quality ceramic accumulators which retain up to 93% and 87% of heat energy respectively.

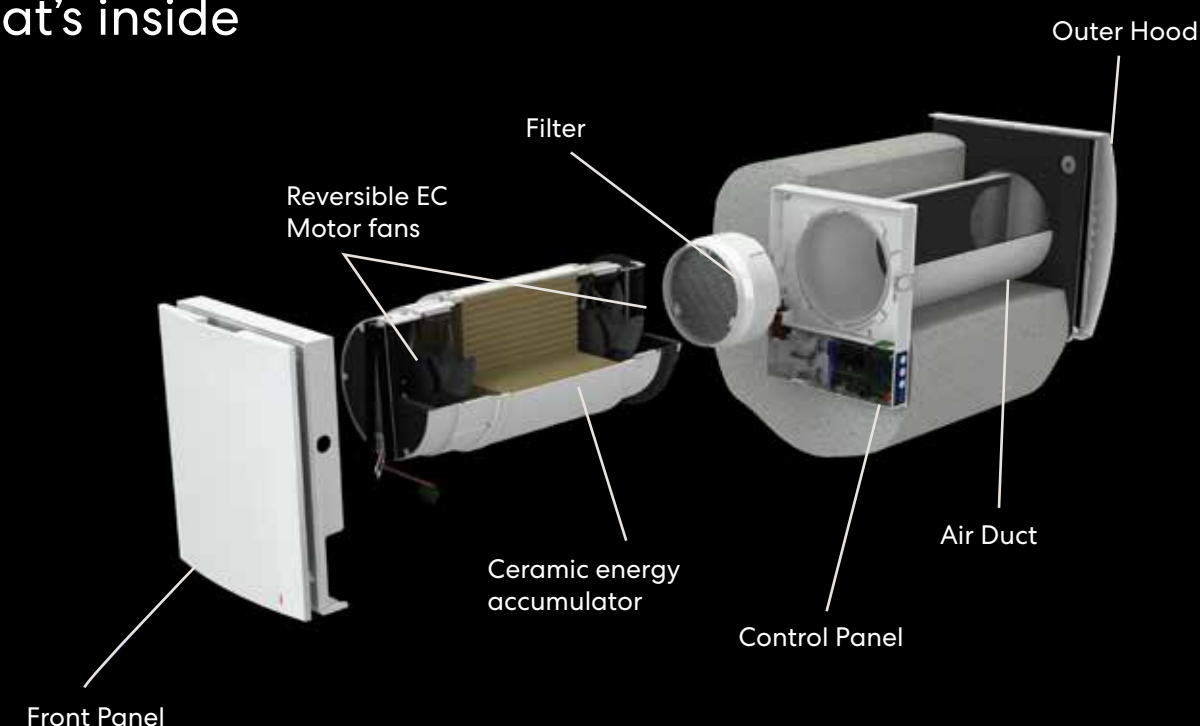
A single unit can operate as a complete system, which does not need to be hardwired to a wall control. Both versions include a control panel on the unit as well as a remote-control handset. The SMART model includes Wi-Fi connectivity and gives you the added option of operating the unit from your smart phone.

It is also possible to create a larger heat recovery system by connecting several units together. This setup means that one unit is extracting while the other brings in fresh, filtered air. By working in unison this system provides a balanced solution (when working in pairs) and improves cross flow ventilation.

The Habitat Expert SMART makes this process particularly easy, as the units connect to each other wirelessly. This type of system is controlled from a single remote, or by the controls on the master unit. Although the unit's Wi-Fi connectivity makes it easier to pair to secondary units, it's not strictly necessary to use the Habitat Expert SMART if this is the type of system you want. The basic version can also be hard-wired to up to 10 units.

The products can also simply be used in ventilation mode to behave like a conventional exhaust fan.

## What's inside



# Habitat Series

A decentralised heat recovery unit designed to supply & extract. Powered by an EC motor & highly efficient ceramic core heat element.

EC Motor

Remote Control

2 Year

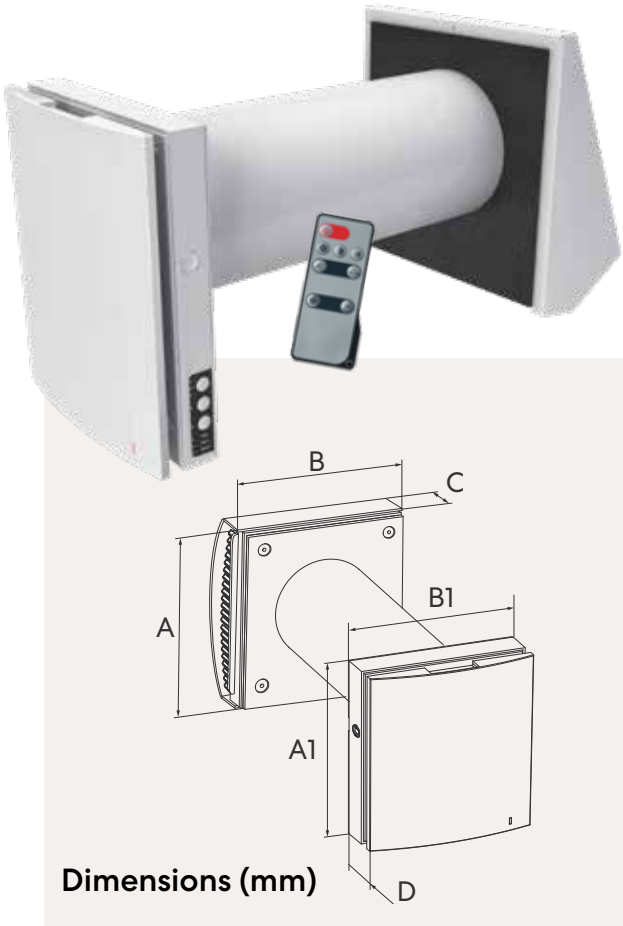
2 year replacement warranty

- Habitat Expert - EWWUEX1**  
 Includes remote control + control on unit

**Habitat Expert SMART - EWWUEX2WIFI**  
 Smart compatible, remote & control on unit

	Expert	Expert SMART
Extraction Rate (m3/hr)		
Speed 1	15	18
Speed 2	30	30
Speed 3	50	58
Boost	-	108
Recovery Mode (m3/hr)		
Speed 1	6	9
Speed 2	15	15
Speed 3	25	29
Boost	-	54
Wall Thickness (mm)*	240-500	335-500
Sound Attenuation (dBA)	42	42
Current (A)	0.039	0.151
Power (w)	5.2	6.6 (18 Boost)
Heat Recovery Efficiency	Up to 93%	Up to 87%
IP Rating	IP24	IP24
Included Filter Class	G3	G3
Optional Filter Class	F8	F8
Sound Level (dBA)	30	40 (51 Boost)
Weight (kg)	9	9

Sound level measured at 1m distance & based on operating at max extraction.  
 Expert SMART model features a 'boost' mode to provide more intensive ventilation.  
 \*A thin external hood is available that will reduce the wall thickness requirement by 160mm

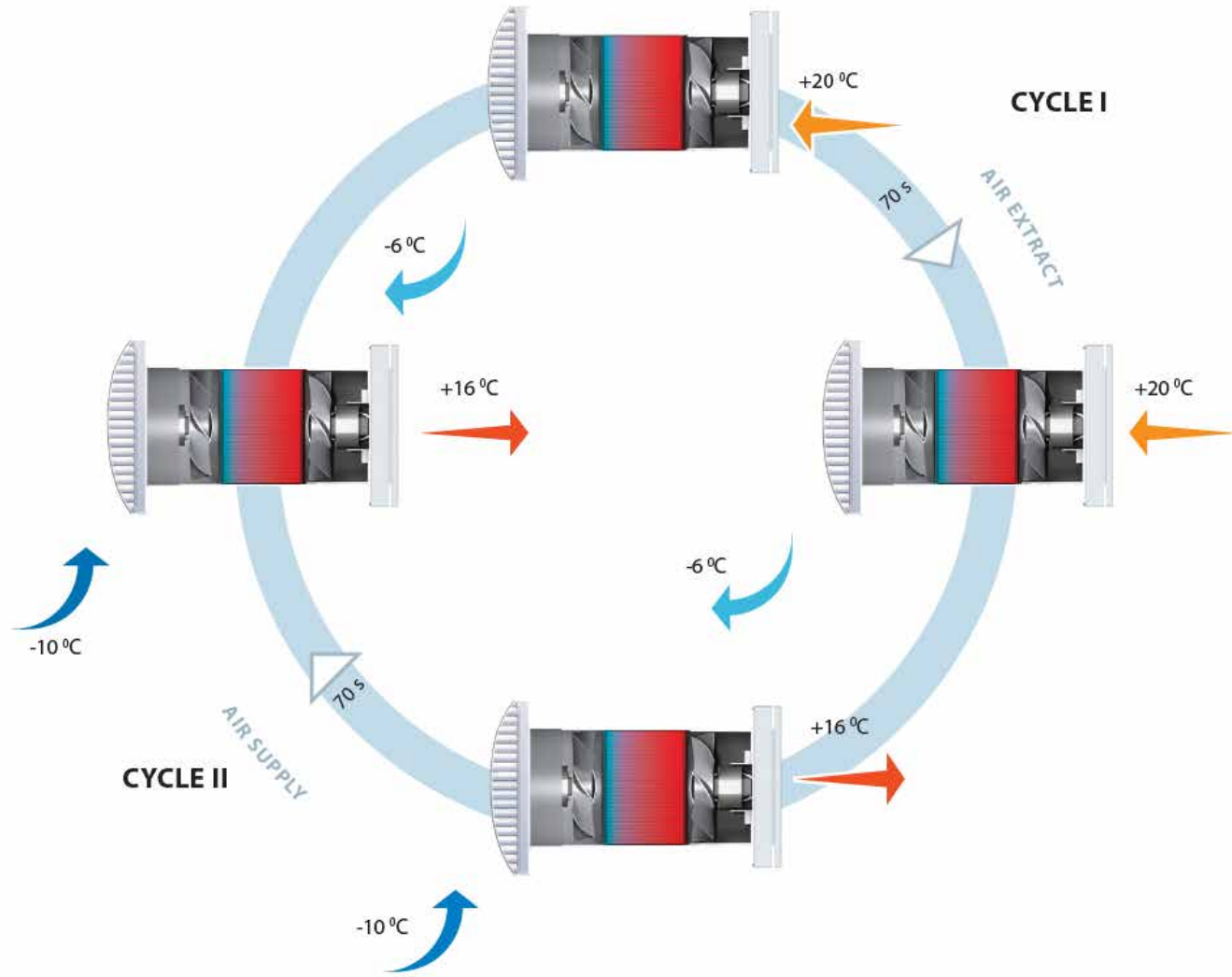


Dimensions (mm)

	Expert	Expert SMART
A	284	231
B	280	220
A1	284	285
B1	234	235
C	137	54
D	64	68
Wall Thickness	240-500	335-500

Units can be used in pairs, with one unit extracting whilst the other supplies. This results in balanced and continuous ventilation.

## Operation Logic



Decentralised heat recovery units are designed to **extract** and **supply**. In the first cycle warm, stale air is extracted from the room. As the warm air passes through the ceramic element, this component gets heated. The unit then commences cycle 2, clean air from the outside passes through the ceramic element, which heats the air before it enters the living space.

### Accessories

#### External Hood EAVUEH206CH

High Quality Stainless Steel Finish. Designed to protect and conceal part of the Fanco Habitat duct for thin wall applications.

Can contain up to 160mm of the Habitat wall tube, therefore reducing the minimum wall depth requirement.



#### F8 Filter SP-EWWUEX-F8

Optional F8 fine particle filter available to remove up to 99% of PM2.5 particles. The standard G3 filter is designed to remove PM10 particles including dust, pollen and fibres.

\*Extra filter adds resistance & will slightly reduce airflow



# Accessories

Below are our most popular accessories  
See the full range online at [fanco.com.au](http://fanco.com.au)



## Flexible Ducting - 6m Length

EDNU\*\*\*6MF - 100, 125, 150, 200, 250, 300, 350, 400 450mm

This Flexible Duct is 6 metres long and varies in diameter. The length of flexible duct can be cut down to suit your required length.



## Insulated Ducting 6m Length

EDIO\*\*O6M\*\* - Various sizes

Comes in 6m lengths and is available in a number of sizes and desired insulation ratings (R.6, R1.0 or R1.5). The length of duct can be cut down to your required length.



## Fixed Flyscreen Vent

EVVUFS1\*\*UV - 100, 125, 150, 200mm sizes

Normally placed on the outside wall or under the eaves. It is a white colour and has been treated to be safely placed outside. It also comes with a built-in flyscreen.



## Gravity Stainless Steel Vent

EVVUGSS\*\*\* - 100, 125 & 150mm sizes

An externally mounted wall vent in stainless steel with gravity operated shutters, designed to close when the exhaust fan/system is not in operation.



## Internal Door Vent

EVVUDV1

A rectangular shaped double sided door vent designed to provide a good cross flow of ventilation in a bathroom or kitchen.



## Plastic Chico Style Vent

EVVULD\*\*\* - 100, 125, 150mm sizes

Decorative vent designed based on the popular 'Chico' series of exhaust fans by Fanco. The vent is a great choice if you want to achieve the modern, minimalistic look.



## Gravity Vent

EVVUGF1\*\*\*UV - 100, 125mm sizes

Normally placed on the outside wall. It has gravity flaps that open up when the fan runs. It is ideal for keeping insects out.



## Metal Vent (No Flange)

EVVUM\*\*OW - 150, 250, 300mm sizes

Metal vent with no connecting flange at the back. Simple screw fixing vent with specially treated Zinc Phosphate corrosion protection to ensure longevity in outdoor areas.



## Metal Cone Vent

EVVUMC\*\*\* - 100, 125, 150, 200mm sizes

The metal vent comes in different sizes to match the duct used. The air flow is adjustable: the centre part is rotated clockwise or anti-clockwise to open or restrict airflow.



## Plastic Cone Vent

EVVUC\*\*\* - 100, 125, 150, 200mm sizes

The plastic vent comes in different sizes to match the duct used. The air flow is adjustable: the centre part is rotated clockwise or anti-clockwise to open or restrict airflow.



## Plastic Back Draft Shutter

EABDP\*\*\*VU - 100, 125, 150 & 200mm sizes

A backdraft shutter is used with inline fans and duct, to stop air flowing in the "back" direction. They have a single disk flap on two hinges.



## Metal Back Draft Shutter

EABDM\*\*\*VU

A backdraft shutter is used with inline fans and duct, to stop air flowing in the "back" direction. It has "butterfly" wings and a weak spring to minimise airflow reduction.

# Notes

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