



**ALLVENT**  
Ventilation Products

ALLVENT VENTILATION PRODUCTS

**PRODUCT CATALOGUE**

EDITION 19



Industrial Ventilation



Car Park Ventilation



Hygiene



Commercial Ventilation

**ALLVENT** is dedicated to providing world-class, quality products, innovative design, technical expertise and market leading technology.

In cooperation with consultants, project engineers and designers,

**ALLVENT** can ensure the continued availability of economical, efficient and leading ventilation technology.



Residential Ventilation



Winter Heating



Summer Cooling



**ALLVENT**  
Ventilation Products

Bringing Air to Life.



**ALLVENT**  
Ventilation Products

## Our Mission

To provide clients with the most advanced technology and innovative designs for air movement

## Our Vision











To be the preferred supplier for every user of air movement products in the market we serve







Bringing Air to Life.

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*While every effort has been made to accurately present specifications and data in this catalogue, Allvent P/L accepts no liability for losses arising from errors or omissions contained herein. As a result of continuous product development all data and specifications are subject to change without notice.*

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**ALLVENT**  
Ventilation Products

Bringing Air to Life.

# Your perfect Allvent fan is only **4** steps away.

To choose the right fan for your purpose, we need to **calculate the airflow required for your room in m<sup>3</sup>/hr**. Allvent has developed this easy-to-use **four step guide** to determine your m<sup>3</sup>/hr number and help choose the fan right for you.

## STEP 1



### Which room?

Choose your room type and select air changes per hour (**ac/hr**) value (opposite).  
ie: Bathroom 10 ac/hr.

<b>Sub-floor</b>	<b>6 ac/hr</b>
<b>Bathroom</b>	<b>10 ac/hr</b>
<b>Toilet</b>	<b>12 ac/hr</b>
<b>Laundry</b>	<b>20 ac/hr</b>
<b>Kitchen</b>	<b>25 ac/hr</b>

## STEP 2



### How big?

You need your room volume in metres cubed (**m<sup>3</sup>**). This is calculated using the three measurements of **length, width** and **height** of your room in metres.

$$L \times W \times H = \dots\dots m^3$$

## STEP 3



### How much air flow?

Multiply the two numbers you now have from Step 1 (**ac/hr**) and Step 2 (**m<sup>3</sup>**) to calculate the air flow required for your room.

$$\text{Step 1} \times \text{Step 2} = \dots\dots m^3/hr$$

## STEP 4




### Which Fan?

Using your **m<sup>3</sup>/hr** figure calculated in **Step 3**, select the fan from the table below which most closely fits your needs.

We recommend that you choose the fan to the nearest value **HIGHER** than your m<sup>3</sup>/hr number.

Example, if the number you calculated at the end of **Step 3** is 240m<sup>3</sup>/hr, choose a fan with a m<sup>3</sup>/hr **higher** than 240.

Model	m <sup>3</sup> /hr	Model	m <sup>3</sup> /hr	Model	m <sup>3</sup> /hr	Model	m <sup>3</sup> /hr	Model	m <sup>3</sup> /hr
150/6"AR	235	M1/100	90	REF150/6	500	100V0	180	RCF-AE150	328
230/9"AR	480	M1/120	195	HBF150/6	303	125V0	250	RCF-AS150	328
300/12"AR	1050	M1/150	310			150V0	385		
						200V0	790		
						250V0	990		
						315V0	1740		
									
Window/Wall Page 14		Wall/Ceiling Page 8		Ducted Ceiling Page 16		Inline Fan Page 22		Roof Mounted Page 76	



## Ventilation Fan Range

M1 Series	8	REF Series	16	Lineo Series	22
HV Series	10	HBF Series	17	Lineo ES Series	24
Slim Evolution	11	Punto Ghost Series	18	Lineo Quiet Series	26
Punto Filo Series	12	A Series	19	Lineo Quiet ES Series	28
Punto Series	13	Cabinet Fans	20	SF Series	30
Vario Series	14	EC-Silento Series	22	HR300 NETI	31
CA WE D Series	15	CA MD Series	21	HR350 AVEL	31

IP45

Compact

Modern design



THE NEW MINIVENT® FAMILY

M1 Series

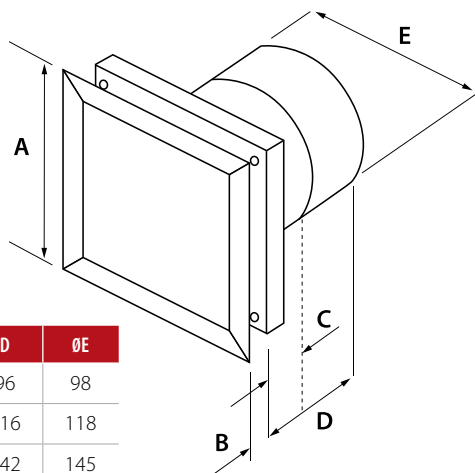
QUIET, ATTRACTIVE AND EFFICIENT

The excellent design of the MiniVent® M1 blends in beautifully everywhere, even in the most demanding room designs. The compact and attractively designed fascia completely shields the view of the fan interior.

Technical Data

Model	Code	Dia Ø	V	Hz	W	m³/hr	L/s	dBA@3m
M1/100	ALV6171	98	240	50	9	90	25	30
M1/120	ALV6360	118	240	50	13	195	54	36
M1/150	ALV6041	145	240	50	10	310	86	39

Dimensions



	A	B	C	D	ØE
M1/100	147□	35	52	96	98
M1/120	176□	39	70	116	118
M1/150	210□	48	76	142	145

Features

- IP Rating 45
- Compact designed fascia remains clean and attractive
- High efficiency impeller
- Backdraft shutter as standard
- Two speed
- Energy efficient – 5 watts at 75m³/h and 10 watts at 310m³/h

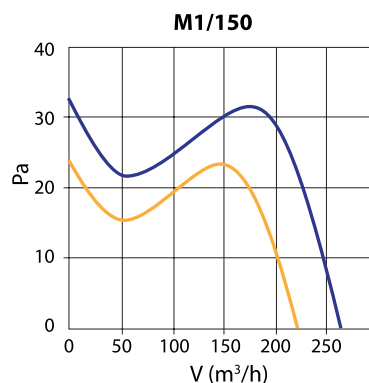
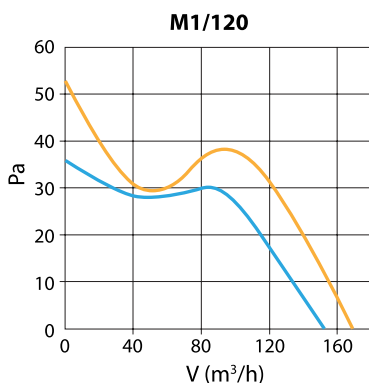
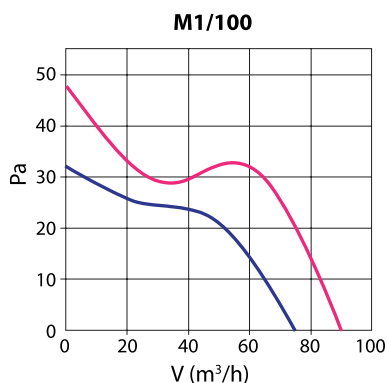
Energy Saving Features (optional)

- Built-in Run-on Timer (N)
- Built-in Humidity Sensor (F)
- Built-in Presence Sensor (P)

Applications for Use

Suitable for all ventilation applications in bathrooms, toilets and all wet areas.

Performance Curves





## Quiet.



## Energy-efficient.



**The M1/150 is the most energy efficient 150mm wall fan on the market!**

- Up to 70% more efficient
- Only 10 watts on high speed

### Powerful and quiet.

No compromises are made with MiniVent® M1 in terms of power and noise level. The ultraSilence® technology developed by Helios ensures optimum quietness and lowest noise emission at all levels.

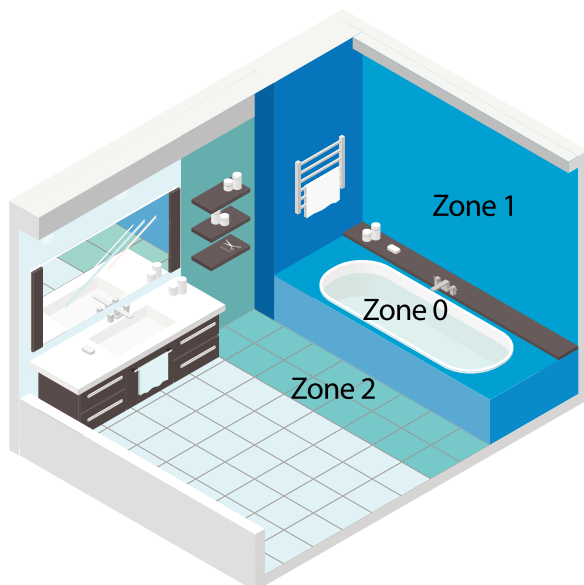
When introducing the M1/100, Helios succeeded in setting the new market standard with just 25 dBA at 75m<sup>3</sup>/h. The M1/150 is now furthering this success with just 39 dBA at 310m<sup>3</sup>/h.

### Up to 70% energy savings.

If power consumption is analysed in relation to flow rate, it is clear at a glance that M1 from Helios scores well. For this reason, MiniVent® has been awarded the 'greenTec-Label' for, particularly, energy saving solutions.

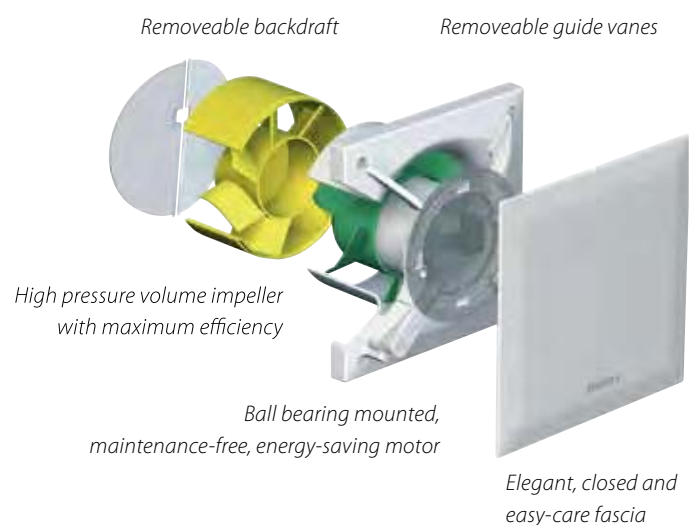
Furthermore, the new M1/150 is equipped with highly efficient EC motor technology which, with regard to speed control, leads to a saving of up to 70% in comparison to conventional AC technology.

## Zone 1 Compatible.



### Suitable for use in Zone 1.

MiniVent® M1/100 provides protection to IP45, insulation class II.



### Flexible installation depth.

Removeable guide vane reduces installation depth from 96mm to 52mm. Can be installed with or without backdraft shutter.

IP54

450 m<sup>3</sup>/hr

High air flow



WALL / CEILING FANS

**HV Series**

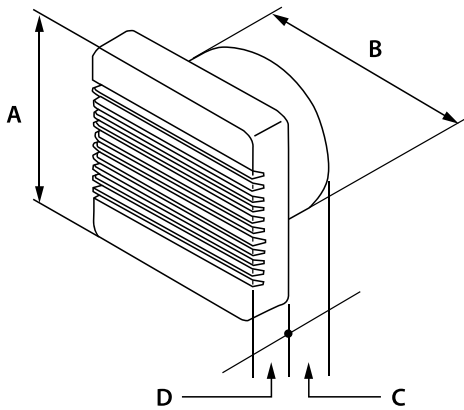
POWERFUL EXTRACTION

The timeless design blends well in any stylish room. Designed to ventilate living and dining rooms, offices and conference rooms, restaurants or foyers.

Technical Data

Model	Code	Dia Ø	V	Hz	W	m <sup>3</sup> /hr	L/s	dBA	IP Rating
HV200	ALV0957	207mm	240	50	30	450	125	52	54
HV250	ALV0958	250mm	240	50	40	840	234	55	54

Dimensions

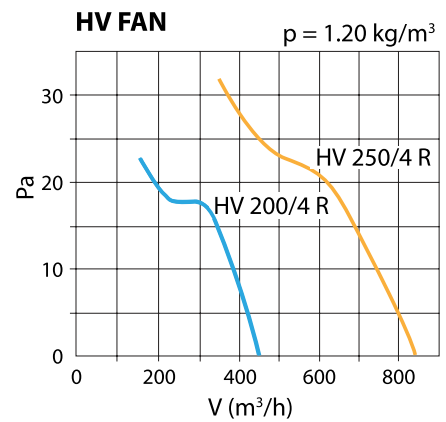


	A	B	C	D
HV200	287	207	80	39
HV250	387	257	80	39

Features

- Reversible (supply and exhaust)
- High air flow and low noise through low resistance
- Totally enclosed, powerful motor with high efficiency
- Quiet continuous operation at any angle
- 40,000 running hours
- Speed controllable by speed controller (accessory)

Performance Curves



IPX4

335 m<sup>3</sup>/hr

19mm thin



WALL / CEILING FANS

## SLIM Evolution

ECO-FRIENDLY

This 'virtually invisible' and 'virtually silent' fan is extremely easy to install. It has an integral backdraft shutter to prevent unwanted air from returning once switched off.

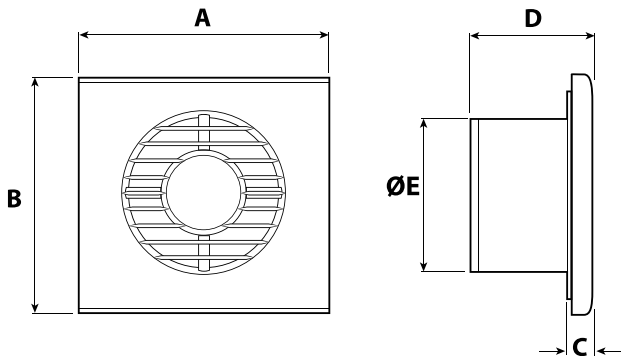
### Technical Data

Model	Code	Dia Ø	V	W	Pa	m <sup>3</sup> /hr	L/s	dBA@3m
ALVSLIM4A	ALV11287	100mm/4"	240	15	29	85	24	31
ALVSLIM5A	ALV11288	125mm/5"	240	20	49	173	49	34
ALVSLIM6A	ALV11289	150mm/6"	240	28	59	335	93	40

### Features

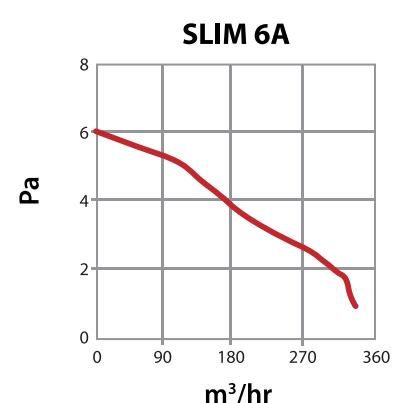
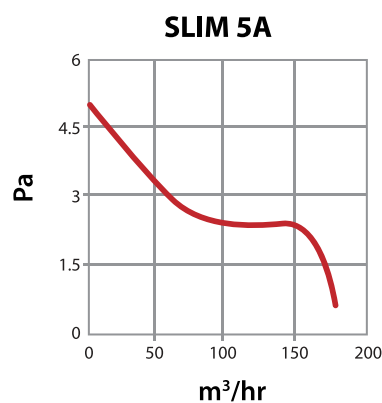
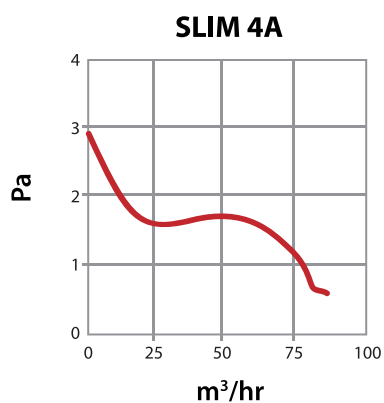
- Extremely easy installation
- Very limited noise levels with high performance
- Ultra-flat grille to expel air outside or into short ducts
- Eco-friendly recyclable materials

### Dimensions



	A	B	C	D	ØE	Kg
ALVSLIM4A	162	158	19	79	98	0.51
ALVSLIM5A	185	178	19	90	119	0.61
ALVSLIM6A	218	213	19	98	155	0.97

### Performance Curves



IPX4

Eco-friendly

Quiet



WALL / CEILING FANS

# Punto Filo Series

QUIET AND ECO-FRIENDLY

The Punto Filo is excellent for intermittent and continuous ventilation of bathrooms, toilets, kitchens or utility rooms in domestic or commercial properties.



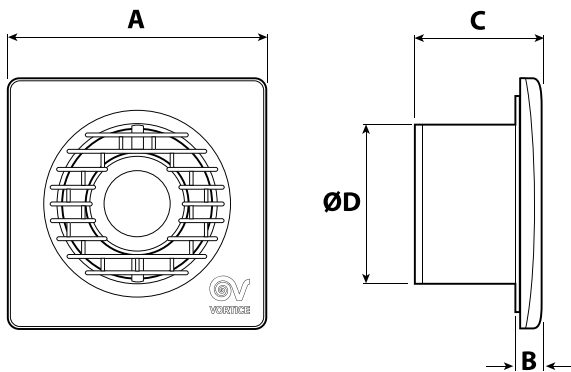
## Technical Data

Model	Code	V	W	A	Rpm	m <sup>3</sup> /h	L/s	Pa	dBa@3m	°C max
MF100/4"	ALV11123	240	15	0.09	2400	85	24	29	31	50
MF120/5"	ALV11124	240	20	0.12	2150	175	49	49	34.4	50
MF150/6"	ALV11125	240	28	0.15	2100	335	93	59	40.1	50

## Features

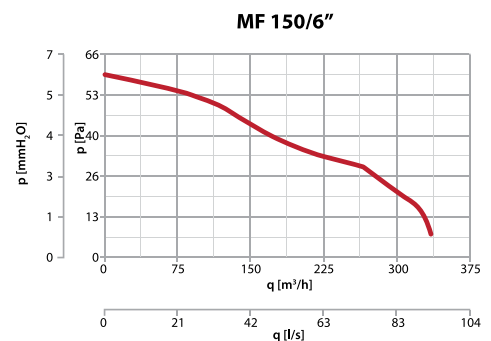
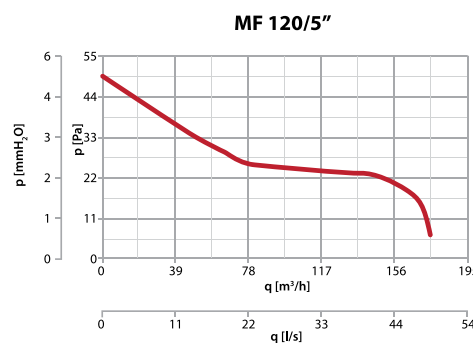
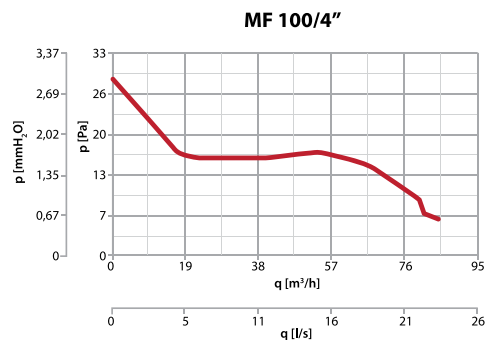
- Integral backdraft shutter installed
- Very silent
- Quick and easy installation
- Eco-friendly: low environmental impact
- Rated IPX4

## Dimensions



	A	B	C	ØD	Kg
MF100/4"	159	17	77	98	0.51
MF120/5"	179	17	89	119	0.61
MF150/6"	214	17	96	156	0.97

## Performance Curves



IPX4

High air flow

Energy efficient



WALL / CEILING FANS

## Punto Series

ENERGY EFFICIENT

The Punto Range is excellent for intermittent and continuous ventilation of bathrooms, toilets, kitchens or utility rooms in domestic or commercial properties.

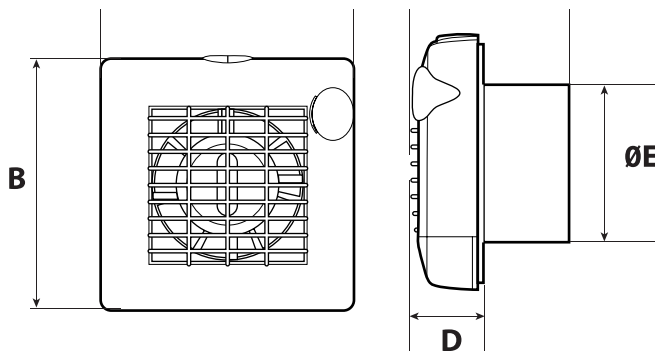
### Technical Data

Model	Code	V	W	A	Rpm	m <sup>3</sup> /h	L/s	Pa	dBA@3m	Kg
M100/4	ALV11201	240	18	0.1	2300	90	25	29	37.5	0.6
M120/5	ALV11301	240	20	0.12	2100	175	48.6	44	39.5	0.8
M150/6	ALV11401	240	30	0.15	2100	335	93.1	59	46	1.1

### Features

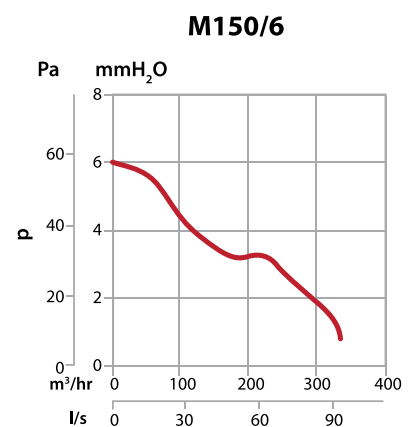
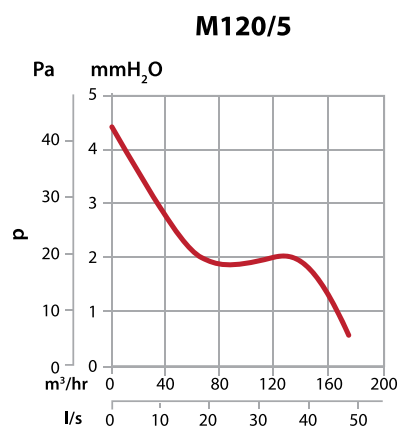
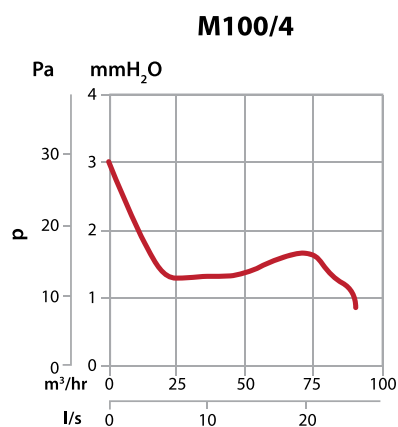
- High air-flow rate
- Low operating noise levels
- Low power consumption
- Auto-shutter model available

### Dimensions



	A	B	C	D	ØE
M100/4	159	160	100	47	99
M120/5	179	181	110	47	119
M150/6	214	215	117	47	156

### Performance Curves



IPX4

High air flow

Reversible



WINDOW AND WALL FANS

VARIO Series

QUIET, FLEXIBLE AND REVERSIBLE

Vario exhaust/supply fans provide flexible solutions to improve the quality of air we breathe in any domestic or commercial environment.



Technical Data

Model	Code	V	Hz	W	m <sup>3</sup> /hr	L/sec	dB(A)@3m
VARIO150/6*AR	ALV12612	240	50	25	235	65.3	37.5
VARIO230/9*AR	ALV12452	240	50	26	480	133	35.6
VARIO300/12*AR	ALV12412	240	50	45	1050	292	40.2

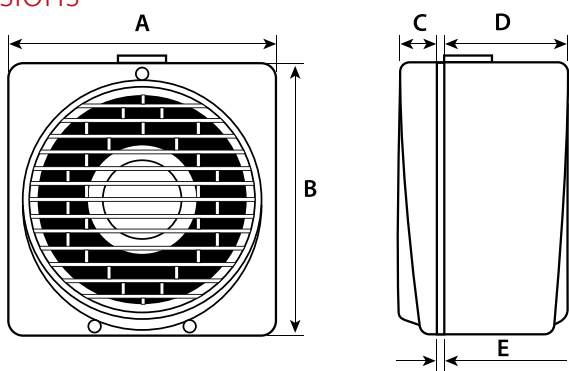
Accessories

Model	Code	Description
KITMU	ALV13018	wall rods to suit Vario
KITMUT	ALV602	wall tubes to suit Vario

Features

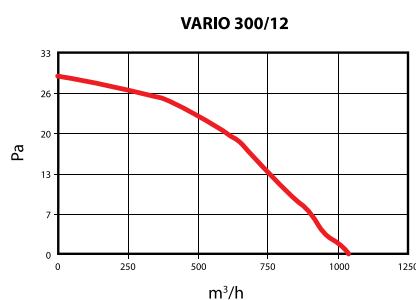
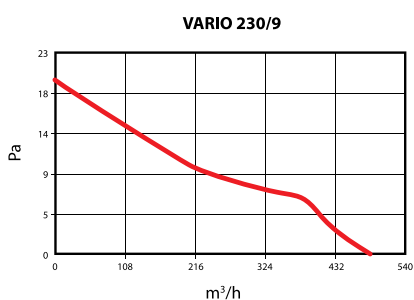
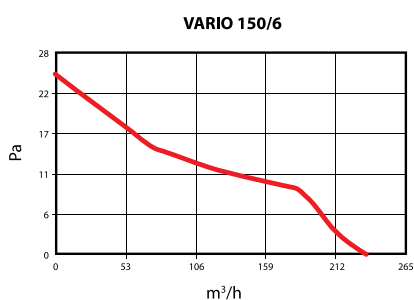
- Highly efficient impellers: best in their category for performance and low energy consumption
- Lowest noise in its class
- Casing made from shock-resistant UV stabilised ABS
- IPX4 rating
- Pull cord option available
- Automatic shutters as standard
- All models reversible (supply and exhaust)

Dimensions



	A	B	C	D	E min/max	Ø Hole cut-out
VARIO150/6*AR	215	218	31	97.5	2/38	185-190
VARIO230/9*AR	294	297	31	130	2/38	257-262
VARIO300/12*AR	390	393	31	147	2/38	324-329

Performance Curves



IPX5

Low internal noise

High performance

## EXTERNAL WALL MOUNTED CENTRIFUGAL FANS

## CA WE D Series

SILENT EXTRACTION



The CA WE D is the ideal solution where centralised extraction is required for more than one room eg: kitchens, bathrooms, storage areas, cellars; public spaces such as bars and shops; work spaces including workshops and laboratories.

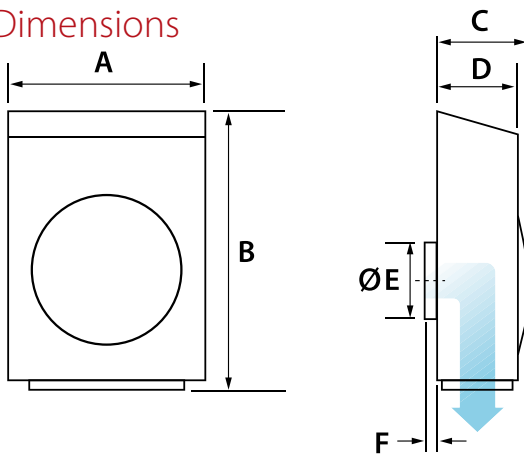
## Technical Data

Model	Code	V	Hz	W	m <sup>3</sup> /hr	L/s	dB(A)@3m	IP
CA100 WE D	ALV16091	240	50	60-80	200-330	56-92	38.3-50.1	IPX5
CA125 WE D	ALV16092	240	50	60-80	215-380	60-106	36.3-49.5	IPX5
CA150 WE D	ALV16087	240	50	45-100	275-620	76-172	23.1-42.9	IPX5
CA200 WE D	ALV16089	240	50	45-100	310-680	86-189	20.9-39.1	IPX5

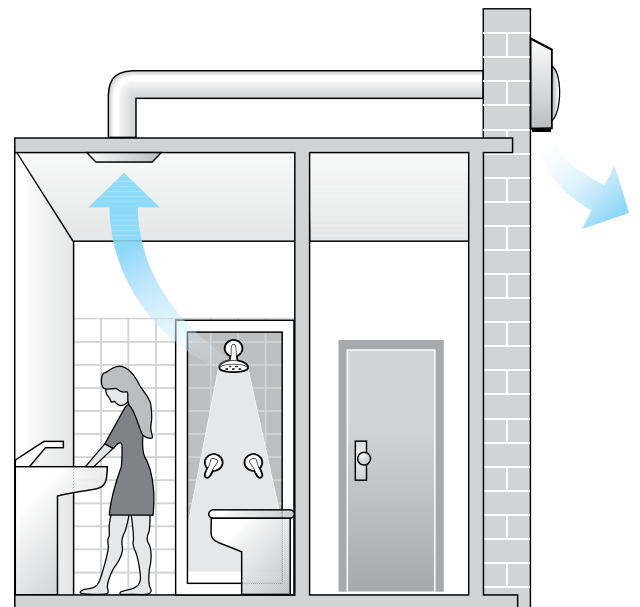
## Features

- Centrifugal duct-mounted extractors for external installation thereby reducing noise
- Automatic close function prevents air returning to the room
- Steel housing with polyester paint - long life
- Two speed
- Backdraft shutters

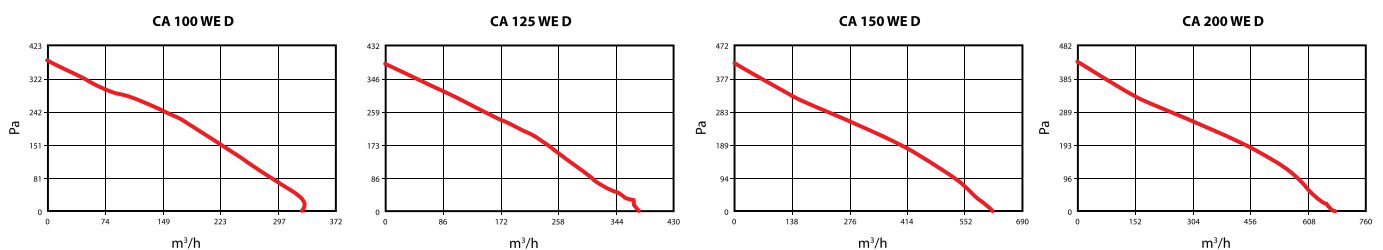
## Dimensions



	A	B	C	D	E	F
CA100 WE D	262	345	127	113	970	20
CA125 WE D	262	345	127	113	970	20
CA150 WE D	360	430	173	155	1470	20
CA200 WE D	360	430	173	155	1970	20



## Performance Curves



IPX4

High performance

Easy installation



POWERFUL CIRCULAR EXHAUST FAN

REF Series

SIDE DUCTING

The REF Series is a side ducted, exhaust fan specifically designed for bathroom applications. This extremely powerful fan is quiet, and highly efficient in extracting steam and increasing air freshness.

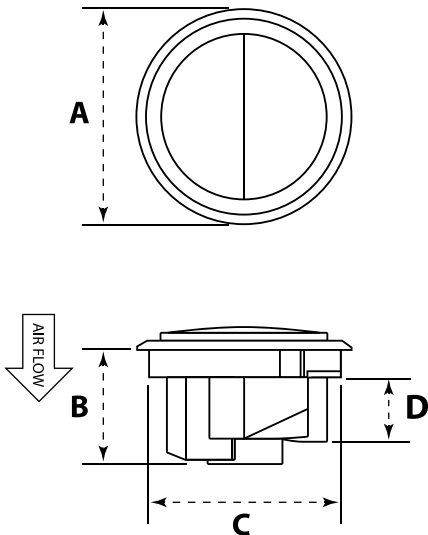
Technical Data

Model	Code	Dia Ø	V	W	RPM	L/sec	m <sup>3</sup> /hr	dBA@ 3m
REF100-4	ALV190	100	240	25	2760	83	300	39
REF150-6	ALV191	150	240	40	2760	139	500	41

Features

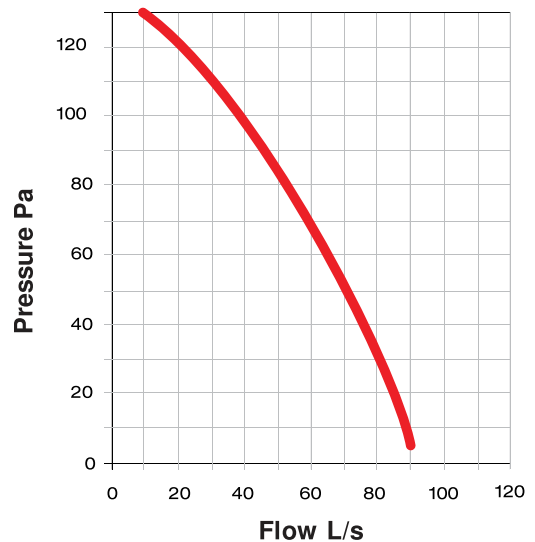
- Speed controllable
- Fits into tight spaces
- Low noise levels
- Easy installation
- High airflow
- 3 pin plug included

Dimensions



	A	B	C	D
REF100-4	323	175	290	99
REF150-6	323	198	290	149

Performance Curve





High performance

Easy installation

Non-return damper



## DUCTED CEILING EXTRACTION

## HBF Series

SERIOUSLY EASY INSTALLATION

The HBF Series is a ceiling mounted exhaust fan suitable for tight ceiling spaces in domestic and residential high-rise applications.

## Technical Data

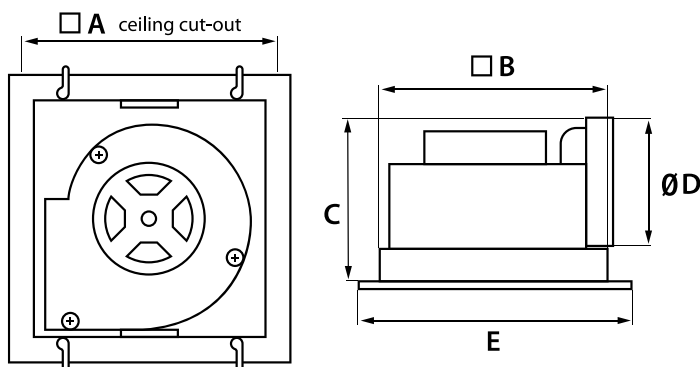
Model	Code	Dia Ø	V	W	r/min	m <sup>3</sup> /hr	L/s	dBA@3m
HBF100-4	ALV105	100	240	34	1130	144	40	22
HBF100-4T	ALV141	100	240	34	1130	144	40	22
HBF150-6	ALV106	150	240	38	1030	303	84	39
HBF150-6T	ALV140	150	240	38	1030	303	84	39

**T** indicates a built-in timer function

## Features

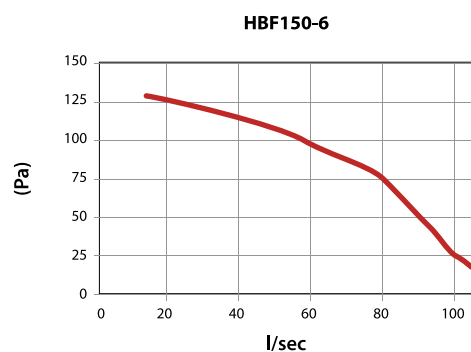
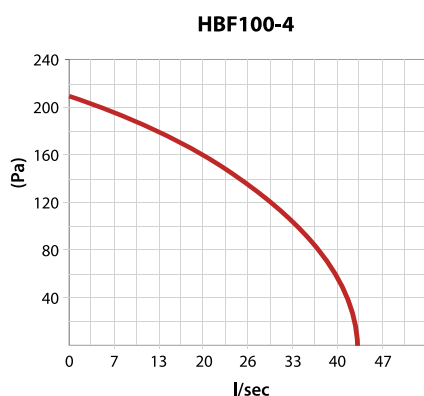
- Hi-static duct characteristics
- High performance centrifugal impeller
- Integrated non-return damper
- Incorporates a clip fixing system for fast and easy installation

## Dimensions



	A	B	C	D	E
HBF100-4	246	212	169	98	330
HBF150-6	292	274	205	149	330

## Performance Curves



IPX4

Easy installation

High performance



AXIAL IN-LINE FANS

# Punto Ghost Series

COMPACT

The Punto Ghost is suitable for installation in walls and ceilings, false ceilings, lofts and internal walls. Available with or without a timer.



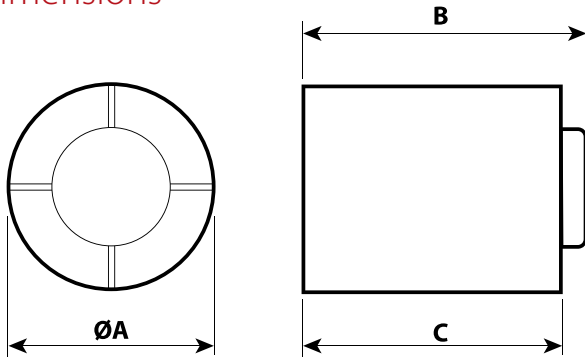
## Technical Data

Model	Code	V	W	A	Rpm	m <sup>3</sup> /h	L/s	Pa	dBA@3m	°C max
MG100/4" LL	ALV11100	240	18	0.10	2415	80	22.2	25	39	40
MG120/5" LL	ALV11116	240	20	0.12	2250	160	44.4	44	43	50
MG150/6" LL	ALV11117	240	30	0.18	2200	320	89	69	48	50

## Features

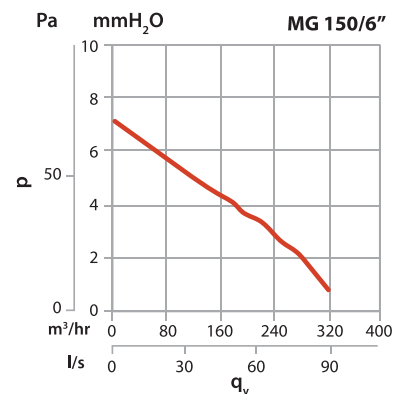
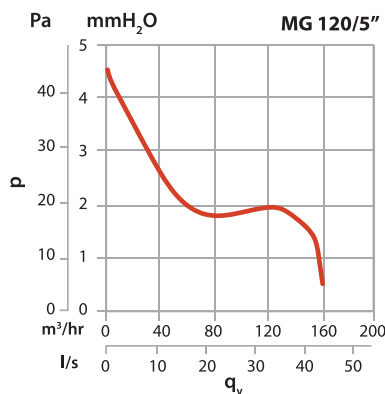
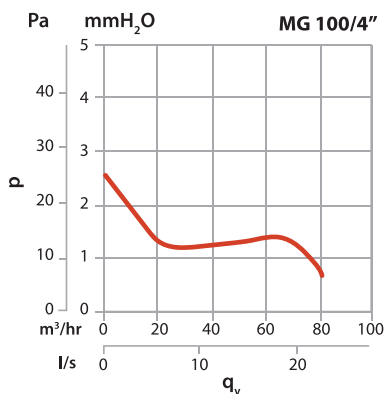
- Available with or without timer
- Motor with sheilded poles and ball bearings
- Can be used as temperature blenders in adjacent rooms
- Rating IPX4

## Dimensions



	A	B	C
MG100/4" LL	99	92	89
MG120/5" LL	119	103	89
MG150/6" LL	155	110	107

## Performance Curves



Long-lasting

Metal construction

Reliable



## AXIAL IN-LINE FANS

## A Series

RELIABLE, HARD WORKING

The A series axial fans are housed in a quality metal casing. Reliable fans for bathroom and laundry applications.

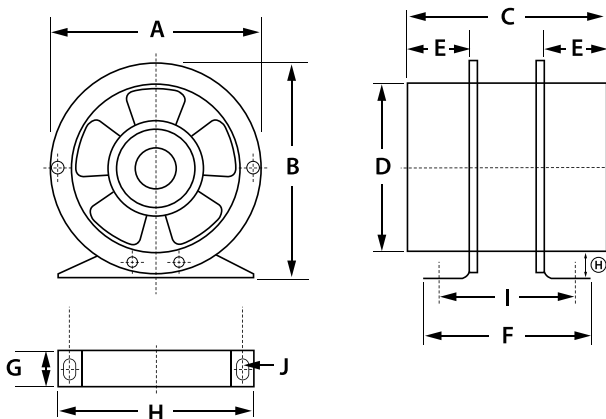
## Technical Data

Model	Code	Dia Ø	V	Hz	W	Phase	RPM	L/s	m <sup>3</sup> /hr	dBA
A40	ALV109	100	240	50	18	1	2880	38	137	18
A60	ALV110	150	240	50	35	1	2880	91	328	41
A80	ALV111	200	240	50	46	1	2880	135	486	55
A100	ALV112	250	240	50	31	1	1440	230	828	52

## Features

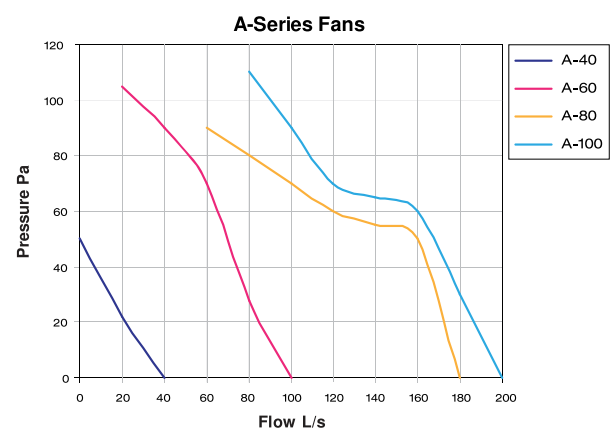
- Metal construction
- Mounting brackets for easy installation
- Long term reliable operation
- Standard with 240V three pin plug

## Dimensions



	A	B	C	ØD	E	F	G	H	I	ØJ
A40	120	121	123	99	40	87	24	120	72	5.5
A60	173	181	157	146	51	103	25	165	77	6.5
A80	225	235	165	199	51	122	30	200	92	7
A100	250	270	220	230	65	155	30	255	125	7

## Performance Curves



Compact size

High performance

High quality



SMALL AXIAL FANS

# Cabinet Fans

COMPACT

This range of small axial fans are ideal for use in compact cabinets and space-limited areas where constant, cooling airflow is required.

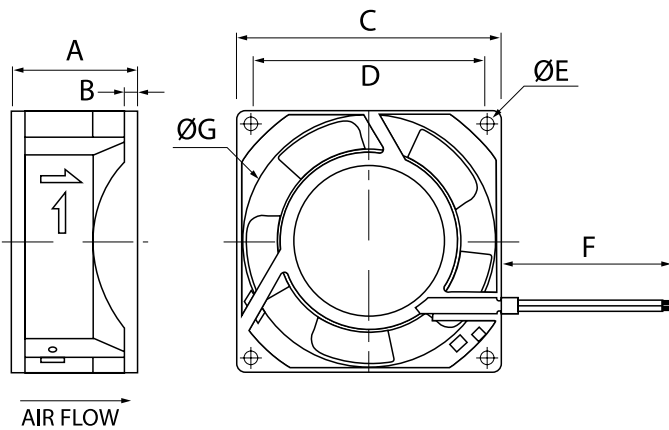
## Technical Data

Model	Code	Dia Ø	V	Hz	W	m <sup>3</sup> /hr	dBA
UF-80A23B-H	ALV113	80x80x38	240	50	14	51	32
UF-92A23B-H	ALV114	92x92x38	240	50	16	78	34
UF-12A23-L	ALV115	120x120x38	240	50	17	156	36
UF-16FC23B-H	ALV116	160x160x62	240	50	46	450	52
UF-18JC23B-H	ALV117	180x180x90	240	50	75	781	54

## Features

- Made of aluminium casing
- Over 40,000 running hours
- High quality, proven reliability
- Sealed for life ball bearing motor
- Metal/plastic finger guards available
- Filters available

## Dimensions



	A	B	C	D	E	F	G
UF-80A23B-H	38	4	80	71.5	4.3	300	76
UF-92A23B-H	38	4	92	82	4.3	300	88
UF-12A23-L	38	4	120	104.8	4.3	300	114
UF-16FC23B-H	62	4	189	138.5	5.5	-	142
UF-18JC23B-H	90	6	209	152.7	5.5	-	160

IP44

Two speed

Low noise



## CENTRIFUGAL IN-LINE FANS

## CA MD Series

METAL CONSTRUCTION

For medium to smaller air flow volumes against high resistances. Universal application for domestic, commercial and industrial purposes.



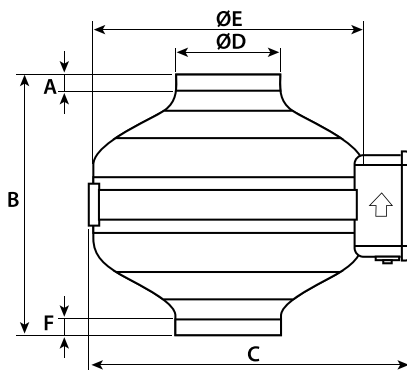
## Technical Data

Model	Code	Dia Ø	V	Hz	W	m³/hr	L/s	dBA@3m
CA100MD	ALV16150	100	240	50	85	340	94	43
CA125MD	ALV16151	122	240	50	85	450	125	45
CA150MD	ALV16153	147	240	50	85	550	153	53
CA200MD	ALV16155	197	240	50	90	830	231	48
CA250MD	ALV16156	247	240	50	120	1000	278	52
CA315MD	ALV16157	315	240	50	120	1080	300	52

## Features

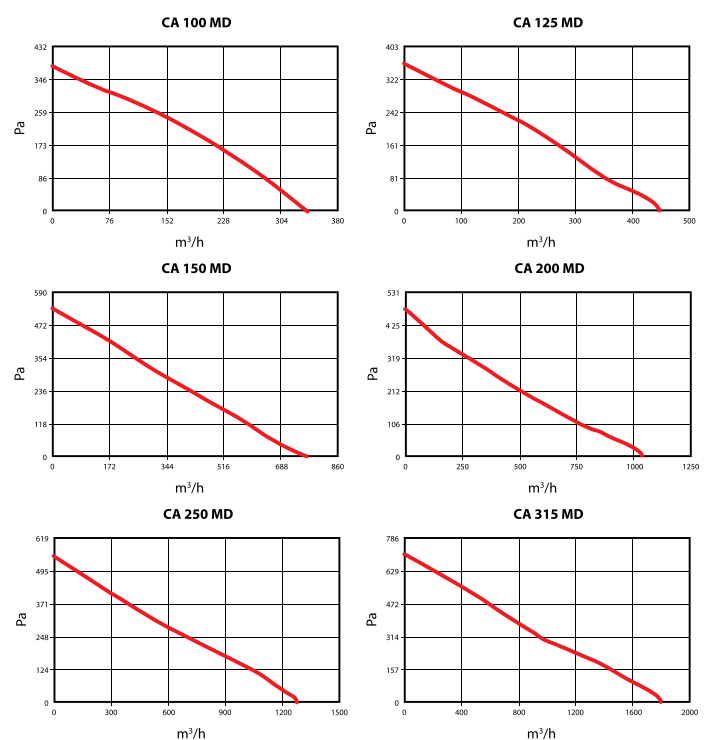
- Two speeds
- Polyester powder-coated metal for any weather condition
- Mounting brackets for easy installation
- Turbine fan mounted on ball-bearing motor
- Can be mounted in any position
- Protection rating IP44

## Dimensions



	A	B	C	ØD	ØE	F
CA100MD	15	239	295	97	255	15
CA125MD	23	239	195	122	255	23
CA150MD	17	275	392	147	347	17
CA200MD	17	275	302	197	347	20
CA250MD	35	275	392	247	347	38
CA315MD	30	306	455	312	406	36

## Performance Curves



IPX5

High performance

Easy maintenance



IN-LINE MIXED FLOW EXTRACTOR FANS

LINEO Series

LOW POWER CONSUMPTION

The Lineo Series of products are equipped with AC motors and specifically designed for horizontal or vertical installation in conduit for ventilation of residential, commercial or industrial premises.



Technical Data

Models	Code	V~ 50/60HZ	W (50H) min/ max	W (60HZ) min/ max	A min/ max	RPM min/ max	Max Airflow		Max Pressure		Sound Pressure Lp dB (A)*	Max °C (50HZ)	Max °C (60HZ)	KG
							m³/h min/ max	l/s min/ max	mmH₂O min/ max	Pa min/ max				
LINEO 100	17144	220-240	20	22	0.09	1860	180	50	13	127.5	30.7	60	50	1.8
LINEO 100 T	17185		23	23	0.11	2450	255	70.8	16.5	161.9	39.4			
LINEO 100 Q	17143	220-240	12	15	0.09	1860	155	43.1	6.5	63.8	29.4	60	50	1.8
LINEO 100 Q T	17184		15	20	0.11	2450	200	55.6	7.5	73.6	37.9			
LINEO 125	17145	220-240	25	33	0.11	1570	250	69.4	13	127.5	33.9	60	50	1.8
LINEO 125 T	17186		33	36	0.15	2140	365	101.4	17	166.8	43			
LINEO 150	17146	220-240	40	58	0.18	1580	385	106.9	21	206	41.4	60	50	2.4
LINEO 150 T	17187		58	58	0.26	2100	550	152.8	27	264.9	50.5			
LINEO 160	17147	220-240	40	58	0.18	1580	385	106.9	21	206	41.4	60	50	2.4
LINEO 160 T	17188		58	58	0.26	2100	550	152.8	27	264.9	50.5			
LINEO 200 Q	17148	220-240	45	45	0.22	1780	700	194.4	13	127.5	39.6	60	50	4.3
LINEO 200 Q T	17189		75	90	0.37	2740	950	263.9	29	284.5	49.0			
LINEO 250 Q	17149	220-240	85	85	0.40	1850	720	200	34	333.5	49.1	60	45	5.8
LINEO 250 Q T	17197		110	140	0.50	2550	990	275	53	519.9	56.2			

NEW Models	Code	V~ 50HZ	W (50H) min/med/ max	A min/med/ max	RPM min/med/ max	Max Airflow		Max Pressure		Max °C (50HZ)	KG
						m³/h min/med/ max	l/s min/med/ max	mmH₂O min/med/ max	Pa min/med/ max		
LINEO 200	17180	220-240	80	0.34	1925	815	226.4	21.5	210.9	50	4.9
LINEO 200 T	17177		95	0.42	2450	1025	284.7	27.3	267.7		
LINEO 250	17181	220-240	110	0.49	2710	1135	315.3	30	294.2	50	5.3
			90	0.41	1500	725	201	13.9	136.5		
LINEO 315	17182	220-240	120	0.54	2240	1145	318	29	284.4	50	9.5
			145	0.63	2730	1440	400	37.2	364.8		
LINEO 315	17182	220-240	190	1.14	1770	1590	442	27.1	265.8	50	9.5
			260	1.57	2300	1590	588	42.2	413.9		
LINEO 315	17182	220-240	360	1.60	2690	2590	719	55.4	543.3	50	9.5

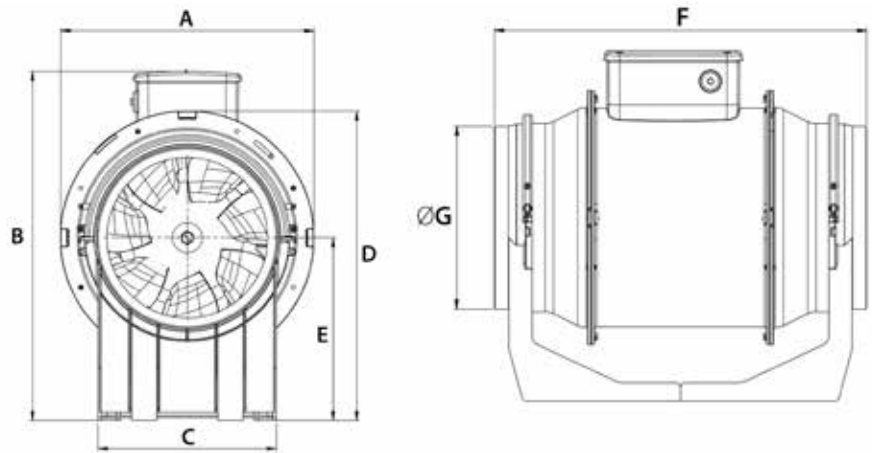
**Lineo Series** is are fitted with 3-speed induction motors. Flexibility and ease of installation ideal for your specific performance-related plant requirements, consumption needs and operating costs.

They boast:

- **high performance**
- **low energy consumption**
- **low noise emissions**, and
- **ease of installation and maintenance**

placing them at the top of the category.

## Dimensions



## Features

- Designed to fit into small spaces
- Easily removed to facilitate maintenance
- Optimised air flow, maximised performance and increased efficiency
- Minimal noise emissions
- High flow rates and flow around the axis of the impeller
- Long-life motors have shafts mounted on ball bearings, ensuring a virtually 'maintenance free' operation
- Timer models available

Models	Code	A	B	C	D	E	F	ØG
LINEO 100	17144	188.5	211	90	189	101.5	303	96
LINEO 100 T	17185	188.5	211	90	189	101.5	303	96
LINEO 100 Q	17143	156	174	95	152	82	231	96
LINEO 100 Q T	17184	156	174	95	152	82	231	96
LINEO 125	17145	188.5	211	90	189	101.5	258	122
LINEO 125 T	17186	188.5	211	90	189	101.5	258	122
LINEO 150	17146	214.5	234	110	212	112.5	294	146
LINEO 150 T	17187	214.5	234	110	212	112.5	294	146
LINEO 160	17147	214.5	234	110	212	112.5	272.5	156
LINEO 160 T	17147	214.5	234	110	212	112.5	272.5	156
LINEO 200	17180	270	373	190	330	195	396	194.5
LINEO 200 T	17177	270	373	190	330	195	396	194.5
LINEO 200 Q	17148	234.5	266	140	235	125.5	300	196
LINEO 200 Q T	17189	234.5	266	140	235	125.5	300	196
LINEO 250	17181	300	378	200	329	190	322	243
LINEO 250 Q	17149	300	322	176.5	292	152.5	385	247
LINEO 250 Q T	17189	300	322	176.5	292	152.5	385	247
LINEO 315	17182	373	446	309	398	224	420	307

IPX5

High performance

Energy efficient



IN-LINE MIXED FLOW EXTRACTOR FANS

LINEO ES Series

LOW POWER CONSUMPTION

The Lineo Series of products are equipped with EC brushless motors and specifically designed for horizontal or vertical installation in conduit for ventilation of residential, commercial or industrial premises.



Models	Code	V ~ 50/60HZ	W 4/6/8/10V	A 4/6/8/10V	RPM 4/6/8/10V	Max Airflow		Max Pressure		Max °C	KG
						m³/h 4/6/8/10V	l/s 4/6/8/10V	mmH₂O 4/6/8/10V	Pa 4/6/8/10V		
LINEO 100 ES	17159	50HZ 220-240	6.5	0.07	1070	140	38.9	3.7	36.3	60	2.3
			8.7	0.09	1345	175	48.6	6.1	59.8		
			16	0.15	1900	250	250	11.4	111.8		
			20	0.20	2220	305	84.7	26.4	258.9		
LINEO 100 Q ES	17158	220-240	5	0.05	1090	70	19.4	1.2	11.8	60	1.8
			6.2	0.06	1450	105	29.2	2.3	22.6		
			10.5	0.10	2300	165	45.8	5.2	51		
			20	0.20	3435	260	72.2	15.7	154		
LINEO 125 ES	17178	220-240	7	0.07	1090	170	47.2	3.8	37.3	60	2.2
			10	0.10	1395	220	61.1	6.5	63.7		
			18	0.17	1940	315	87.5	11.8	115.7		
			25	0.25	2270	370	102.8	30.2	296.2		
LINEO 150 ES	17179	220-240	11	0.10	2125	500	138.9	8.5	83.4	60	2.6
			17	0.16	1595	370	102.8	13.8	135.3		
			34	0.30	1260	290	80.6	22.7	222.6		
			55	0.50	2480	590	163.9	44.2	433.5		
LINEO 160 ES	17183	220-240	12	0.11	1305	300	83.3	9	9	60	2.7
			19	0.17	1645	385	106.9	14.8	145.1		
			37	0.33	2165	510	141.7	23.5	230.5		
			60	0.55	2625	630	175	47.2	462.9		
LINEO 200 ES	17167	220-240	15.8	0.19	1380	560	155.6	9.2	90.2	50	4.6
			25.7	0.28	1700	700	194.4	14.4	141.2		
			52.8	0.53	2220	920	255.6	24	235.4		
			90	0.80	2680	1100	305.6	34.9	342.4		
LINEO 250 ES	17168	220-240	20	0.20	2270	750	208.3	10.4	102	50	5
			35	0.30	1695	995	276.4	16.3	159.9		
			80	0.70	1370	1245	345.8	27.8	272.6		
			125	1.00	2680	1500	416.7	40.5	397.2		
LINEO 315 ES	17169	220-240	45	0.38	1310	1385	384.7	14.2	139.3	50	9.2
			75	0.64	1580	1720	477.8	21.3	208.9		
			165	1.35	2130	2300	638.9	37.7	369.7		
			220	1.75	2360	2560	711.1	42.3	414.8		

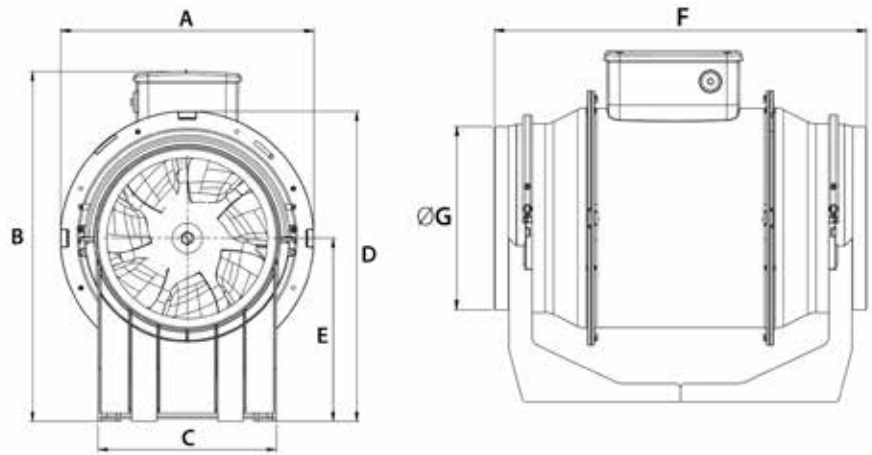


**Lineo ES Series** is fitted with 3-speed induction, EC brushless motors. Flexibility and ease of installation ideal for your specific performance-related plant requirements, consumption needs and operating costs. They boast:

- **high performance**
- **low energy consumption**
- **low noise emissions**, and
- **ease of installation and maintenance**

placing them at the top of the category.

## Dimensions



## Features

- Designed to fit into small spaces
- Easily removed to facilitate maintenance
- Optimised air flow, maximised performance and increased efficiency
- Minimal noise emissions
- High flow rates and flow around the axis of the impeller
- Long-life motors have shafts mounted on ball bearings, ensuring a virtually 'maintenance free' operation
- Timer models available

Models	Code	A	B	C	D	E	F	ØG
LINEO 100 ES	17159	188.5	240	90	189	101.5	303	96
LINEO 100 Q ES	17158	156	205	95	152	82	231	96
LINEO 125 ES	17178	188.5	240	90	189	101.5	258	122
LINEO 150 ES	17179	214.5	265	110	212	112.5	294	146
LINEO 160 ES	17183	214.5	265	110	212	112.5	272.5	156
LINEO 200 ES	17167	270	372.5	190	330	195	396	194.5
LINEO 250 ES	17168	300	378	200	329	190	322	243
LINEO 315 ES	17169	373	506	309	398	224	420	307

IPX5

High performance

Sound absorbing



IN-LINE MIXED FLOW EXTRACTOR FANS

LINEO Quiet Series

MINIMAL SOUND EMISSIONS

The Lineo Quiet Range of products are equipped with AC motors and specifically designed for horizontal or vertical installation in conduit for ventilation of residential, commercial or industrial premises.



Technical Data

Models	Code	V~50/60 HZ	W min/med/ /max	A min/med/ max	RPM min/med/ max	Max Airflow		Max Pressure		Max °C	KG
						m³/h min/med/ max	l/s min/med/ max	mmH₂O min/med/ max	Pa min/med/ max		
LINEO 100 QUIET	17160	220-240	11	0.09	1455	150	41.7	9	88.3	45	3.8
			24	0.11	1880	200	55.6	11.5	112.8		
LINEO 100 T QUIET	17190		27	0.13	2260	260	72.2	15	147.1		
LINEO 125 QUIET	17161	220-240	11	0.09	1125	190	52.8	8	78.5	45	3.6
			24	0.11	1475	250	69.4	10	98.1		
LINEO 125 T QUIET	17191		27	0.13	1880	320	88.9	14	137.3		
LINEO 150 QUIET	17162	220-240	24	0.14	1040	255	70.8	10.5	103	55	5.4
			37	0.17	1430	350	97.2	15.5	152		
LINEO 150 T QUIET	17192		50	0.22	2030	510	141.7	21.5	210.9		
LINEO 160 QUIET	17163	220-240	24	0.14	1040	255	70.8	10.5	103	55	5.2
			37	0.17	1430	350	97.2	15.5	152		
LINEO 160 T QUIET	17193		50	0.22	2030	510	141.7	21.5	210.9		
LINEO 200 QUIET	17164	220-240	50	0.34	1880	805	223.6	20.6	202	50	8.6
			80	0.42	2380	1045	290.3	26.3	257.9		
LINEO 200 T QUIET	17194		95	0.49	2690	1160	322.2	29	284.4		
LINEO 250 QUIET	17165	220-240	95	0.42	1640	960	266.7	20.2	198.1	50	13.4
			125	0.55	2320	1340	372.2	30.3	297.2		
			150	0.65	2750	1550	430.6	34.6	339.3		
LINEO 315 QUIET	17166	220-240	215	0.95	1930	2070	575	30.6	300.1	50	28.3
			270	1.15	2360	2530	702.8	43.3	424.6		
			360	1.55	2705	2890	802.8	53.6	525.7		

**Lineo Quiet Series** is characterised by the sound-absorbing coating, which is fully integrated in the outer casing and optimised to minimise environmental sound emissions with a high degree of protection against water (IPX5). They boast:

- **high performance**
- **low energy consumption**
- **low noise emissions**, and
- **ease of installation and maintenance**

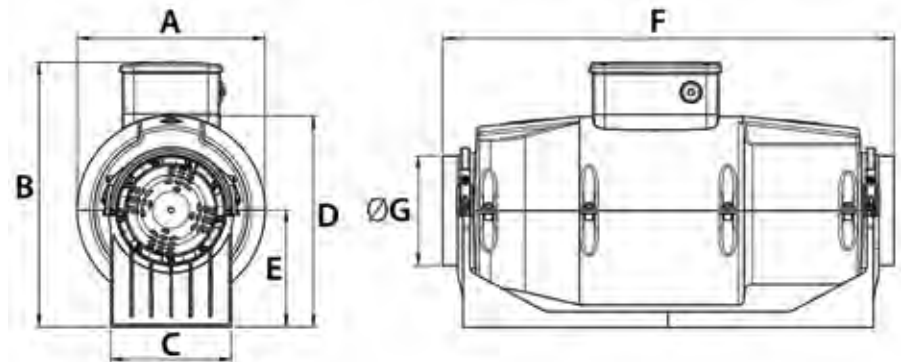
placing them at the top of the category.

## Features

- Designed to fit into small spaces
- Easily removed to facilitate maintenance
- Optimised air flow, maximised performance and increased efficiency
- Minimal noise emissions
- High flow rates and flow around the axis of the impeller
- Long-life motors have shafts mounted on ball bearings, ensuring a virtually 'maintenance free' operation
- Timer models available

## VERSION A DIMENSIONS

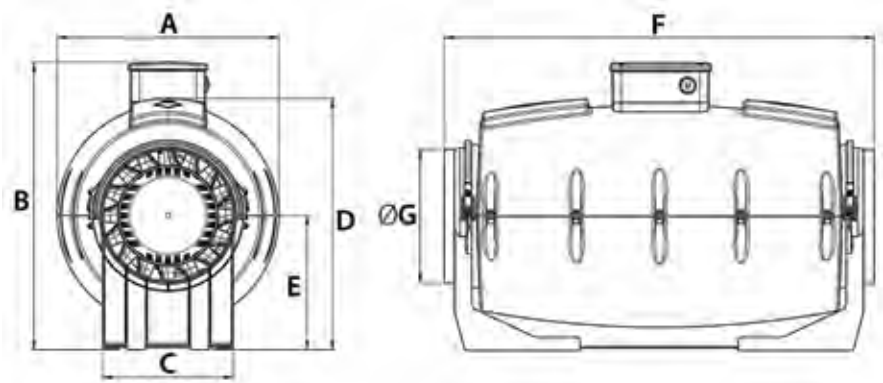
LINEO 100 QUIET - LINEO 100 T QUIET - LINEO 125 QUIET - LINEO 125 T QUIET  
LINEO 150 QUIET - LINEO 150 T QUIET - LINEO 160 QUIET - LINEO 160 T QUIET



Model	Code	A	B	C	D	E	F	ØG	Version
LINEO 100 QUIET	17160	210	294.5	135	235	130	639	97	A
LINEO 100 T QUIET	17190								
LINEO 125 QUIET	17161	210	294.6	135	235	130	504.5	122	A
LINEO 125 T QUIET	17191								
LINEO 150 QUIET	17162	232	320.5	170	261.5	145	685	147	A
LINEO 150 T QUIET	17192								
LINEO 160 QUIET	17163	232	320.5	170	261.5	145	570	156.5	A
LINEO 160 T QUIET	17193								

## VERSION B DIMENSIONS

LINEO 200 QUIET - LINEO 200 T QUIET - LINEO 250 QUIET - LINEO 315 QUIET



Model	Code	A	B	C	D	E	F	ØG	Version
LINEO 200 QUIET	17164	322.5	417.5	190	363.5	195	625.5	194.5	B
LINEO 200 T QUIET	17194								
LINEO 250 QUIET	17165	318	412	200	363.5	189.5	751.5	243	B
LINEO 315 QUIET	17166	415.5	496.5	309	441	244	940	307	B

IPX5

High performance

Energy efficient



IN-LINE MIXED FLOW EXTRACTOR FANS

LINEO Quiet ES Series

HIGH PERFORMANCE

The Lineo Quiet ES Range of products are equipped with EC brushless motors and specifically designed for horizontal or vertical installation in conduit for ventilation of residential, commercial or industrial premises.



Technical Data

Model	Code	V~50/60HZ	W 4/6/8/10V	A 4/6/8/10V	RPM 4/6/8/10V	Max Airflow		Max Pressure		Max °C	KG
						m³/h	l/s	mmH <sub>2</sub> O	Pa		
						4/6/8/10V	4/6/8/10V	4/6/8/10V	4/6/8/10V		
LINEO 100 QUIET ES	17170	220-240	6.2	0.09	1140	135	37.5	3.5	34.3	60	3.8
			8.3	0.12	1450	175	48.6	5.8	56.9		
			14.7	0.18	2050	250	69.4	11.4	111.8		
			23	0.26	2510	300	83.3	24.8	243.2		
LINEO 125 QUIET ES	17171	220-240	6.6	0.10	1080	180	50	3.3	32.4	60	3.6
			8.8	0.12	1340	225	62.5	5.6	54.9		
			16	0.18	1865	320	88.9	11	107.9		
			24	0.26	2210	380	105.6	23.7	232.4		
LINEO 150 QUIET ES	17172	220-240	7.7	0.11	1015	250	69.4	4.6	45.1	60	5.4
			10.6	0.14	1240	305	84.7	7.5	73.6		
			20	0.24	1700	430	119.4	14.7	107.9		
			31	0.34	2030	515	143.1	24.2	237.3		
LINEO 160 QUIET ES	17173	220-240	7.7	0.11	1010	250	69.4	4.5	44.1	60	5.2
			10.6	0.14	1245	315	87.5	7.5	73.6		
			19.7	0.23	1685	435	120.8	14.4	141.2		
			31	0.34	2035	525	145.8	23.9	234.4		
LINEO 200 QUIET ES	17174	220-240	15.2	0.18	1380	570	158.3	8.6	84.3	50	8.6
			25.3	0.27	1705	720	200	13.9	136.3		
			52.4	0.52	2245	945	262.5	22.9	224.6		
			88	0.78	2700	1145	318.1	33.6	329.5		
LINEO 250 QUIET ES	17175	220-240	20	0.19	1365	750	208.3	10.1	99.1	50	13.4
			35	0.28	1680	940	261.1	15.6	153		
			75	0.60	2250	1250	347.2	26.6	260.9		
			125	0.97	2680	1485	412.4	37.5	367.8		
LINEO 315 QUIET ES	17176	220-240	42	0.31	1260	1400	388.9	12.9	126.5	50	28.3
			72	0.51	1560	1730	480.6	19.5	191.2		
			155	1.10	2070	2300	638.9	33.8	331.5		
			220	1.52	2350	2630	730.6	38.7	379.5		

### Lineo Quiet ES Series

is characterised by the sound-absorbing coating, which is fully integrated in the outer casing and optimised to minimise environmental sound emissions with a high degree of protection against water (IPX5). They boast:

- **high performance**
- **low energy consumption**
- **low noise emissions**, and
- **ease of installation and maintenance**

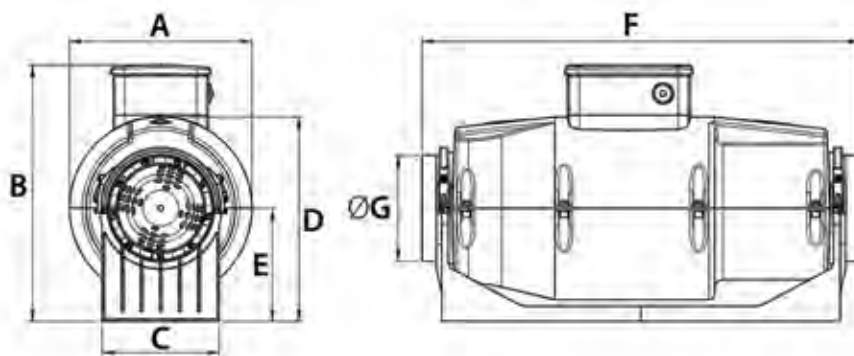
placing them at the top of the category.

### Features

- Designed to fit into small spaces
- Easily removed to facilitate maintenance
- Optimised air flow, maximised performance and increased efficiency
- Minimal noise emissions
- High flow rates and flow around the axis of the impeller
- Long-life motors have shafts mounted on ball bearings, ensuring a virtually 'maintenance free' operation
- Timer models available

### VERSION A DIMENSIONS

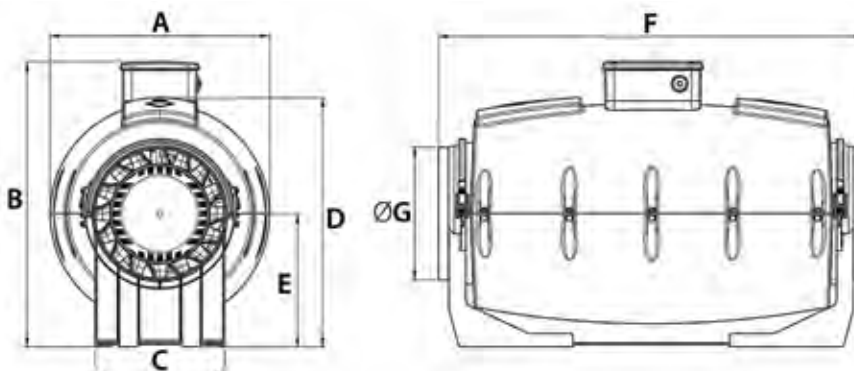
LINEO 100 QUIET ES - LINEO 125 QUIET ES - LINEO 150 QUIET ES - LINEO 160 QUIET ES



Model	Code	A	B	C	D	E	F	ØG	Version
LINEO 100 QUIET ES	17170	210	294.6	135	235	130	639	97	A
LINEO 125 QUIET ES	17171	210	294.6	135	235	130	504.5	122	A
LINEO 150 QUIET ES	17172	232	320.6	170	261.5	145	685	147	A
LINEO 160 QUIET ES	17173	232	320.6	170	261.5	145	570	156.5	A

### VERSION B DIMENSIONS

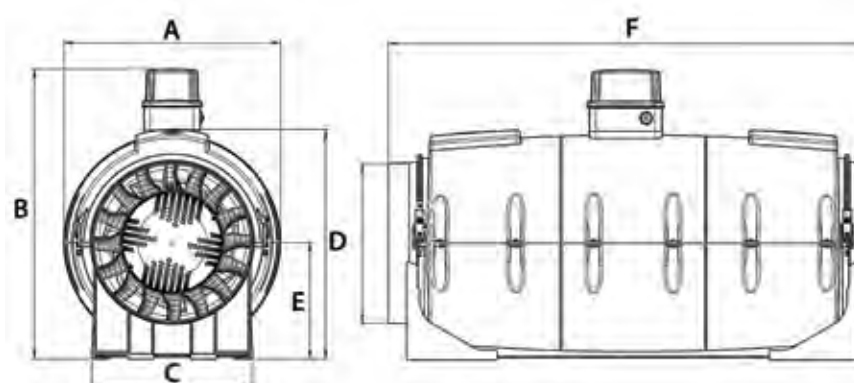
LINEO 200 QUIET ES - LINEO 250 QUIET ES



Model	Code	A	B	C	D	E	F	ØG	Version
LINEO 200 QUIET ES	17174	32.5	417.6	190	363.5	195	625.5	194.5	B
LINEO 250 QUIET ES	17175	318	411.9	200	363.5	189.5	751.5	243	B

### VERSION C DIMENSIONS

LINEO 315 QUIET ES



Model	Code	A	B	C	D	E	F	ØG	Version
LINEO 315 QUIET ES	17176	415.5	557.8	309	441	234	940	307	C

12 month warranty

Easy installation

Quiet operation



## SUB FLOOR VENTILATION

# SF Series

## UNDERFLOOR VENTILATION SYSTEM

These underfloor fans are designed for sub floor ventilation. Available as a supply / exhaust fan, made to order. Ideal for high moisture areas.

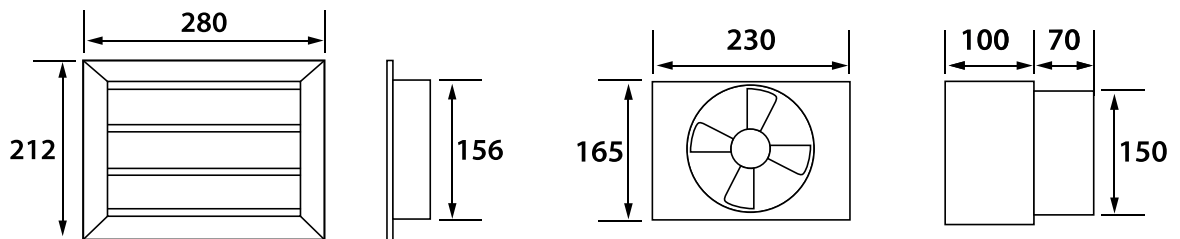
### Technical Data

Model	Code	Flow	Cut-out Size	V	Hz	W	m <sup>3</sup> hr	L/s	dBA @3m
SFE9712	ALV252	Exhaust Fan	232 x 167	12	50	13	328	91	45
SFE9724	ALV253	Exhaust Fan	232 x 167	240	50	35	328	91	45
SFS9712	ALV254	Supply Fan	232 x 167	12	50	13	328	91	45
SFS9724	ALV255	Supply Fan	232 x 167	240	50	35	328	91	45

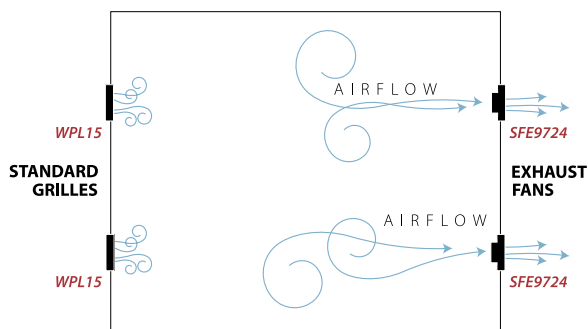
### Features

- Available in 240V and 12V
- Three pin plug (240V only)
- Quiet operation
- 12 month warranty
- Optional transformer available

### Dimensions

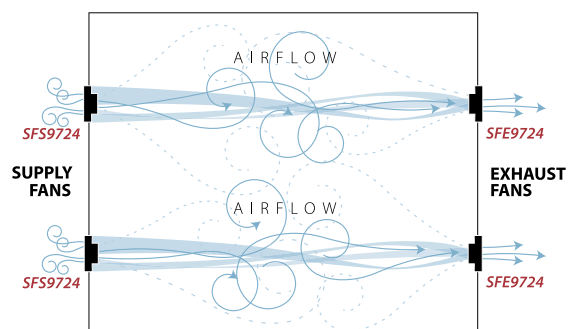


### STANDARD OPTION



- **Standard grille (WPL15)** allow natural flow inlet air
- **Exhaust fan (SFE9724)** extract air from building space

### RECOMMENDED OPTION



- **Supply fan (SFS9724)** introduce outside air
- **Exhaust fan (SFE9724)** extract air from building space
- **Creates** better cross-flow and removes air from complete building space (no 'dead' spots)

High performance

Energy saving

Low noise

## MECHANICAL VENTILATION WITH HEAT RECOVERY

## VORT HR Series

WHOLE HOUSE VENTILATION UNIT

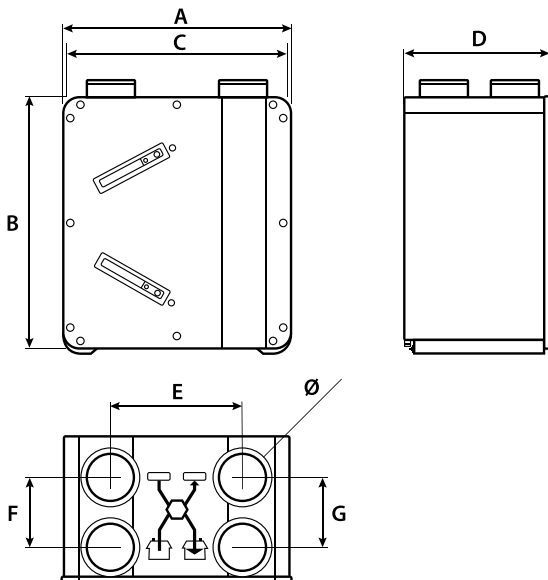


The Vort HR Series is a highly efficient wall mountin residential heat recovery unit with low noise and high air flow and static pressure. Ideal to suit the Australian climate!

## Technical Data

Model	Code	V	Hz	W	l/s	m <sup>3</sup> /h	Pa	dBA@3m
HR300 NETI	ALV10935	240	50	190	83	300	735	28
HR350 AVEL	ALV12106	240	50	165	100	360	880	23

## Dimensions



	A	B	C	D	E	F	G	Ø
HR350 AVEL	712	845	700	455	410	220	215	150

## Features

The revolutionary, ultra-compact Vort HR Series continuously-running, whole-house ventilation unit with heat recovery, is independently tested to the highest standards. The Vort HR Series has been specifically designed to give improved performance over older models.

The combination of ultra-low power consumption and a highly efficient heat exchanger is specifically designed to enhance SAP performance via Appendix Q, yet the unit remains small enough to be easily incorporated into apartments and smaller houses. The Vort HR Series units have many new features including removable airtight filter covers for easy access to filter maintenance.

## How it works

A centrally located, continuously-running, mechanical supply and extract fan extracts air via ducts from moisture-producing areas or 'wet rooms' such as kitchens and bathrooms to remove odours and excessive humidity. The air is passed over the heat exchanger, which transfers a high proportion of the heat of the extract air to the incoming air, which is then distributed to the habitable rooms via ducts.

Whole-building ventilation is maintained by a contrast flow of air between input and extract points. A boost facility provides rapid extraction when necessary to remove higher levels of pollutants and humidity. As an alternative, every room may have an individual unit as opposed to a centrally located and ducted unit.







## Ventilation Kit Range

### Ventilation Kits

ALVA40 Kit	34
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Slim5A Kit	35
Slim6A Kit	35

### Heat Transfer Kits

HT Kit 1A	36
HT Kit 1	36
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### Lineo Quiet HTS Kits

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HTS Kit 2	37

### Prestige Bathroom Kits

ALVP Kit 1	39
ALVP Kit 2	39

### Universal Rangehood Kit

ALVURK	40
--------	----

KITS TO SUIT ALL APPLICATIONS

# Ventilation Kits

COMPLETE PACKAGE IN ONE BOX

Ventilating to the outside prevents condensation damage to roof areas.



## ALVA60 Kit

Code	ALV905
------	--------

- 1 x A60 in-line fan
- 1 x 150mm diameter x 3m length duct
- 2 x 150mm fixed grilles



## ALVA40 Kit

Code	ALV904
------	--------

- 1 x A40 in-line fan
- 1 x 100mm diameter x 3m length duct
- 2 x 100mm fixed grilles



## ALVLINEO150 Kit

Code	ALV903
------	--------

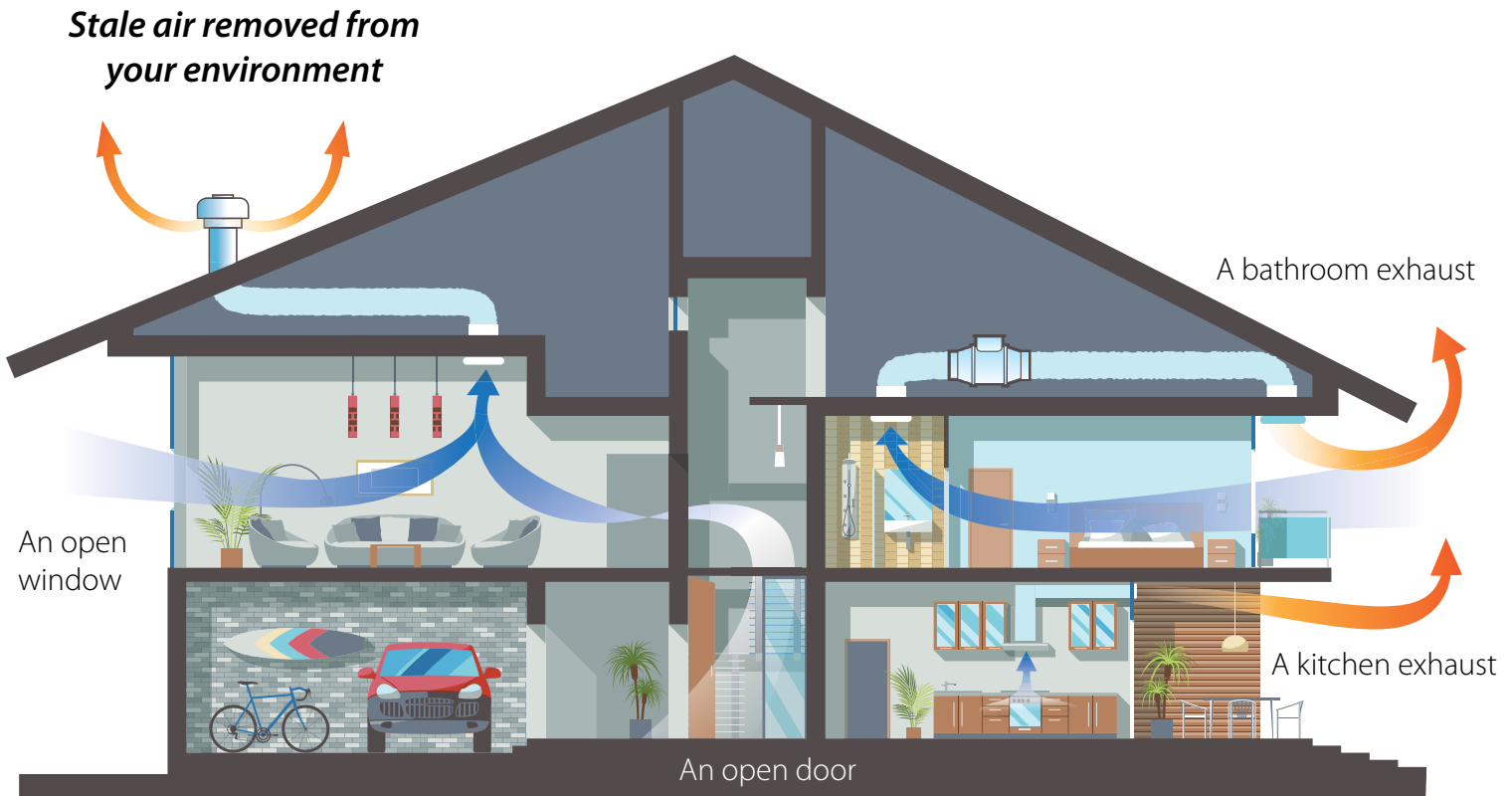
- 1 x LINEO150 in-line fan
- 1 x 150mm diameter x 6m length duct
- 2 x 150mm fixed grilles



## SLIM4A Kit

Code	ALV906
------	--------

- 1 x SLIM4A
- 1 x 100mm diameter x 3m length duct
- 1 x 100mm fixed or gravity grille



### SLIM5A Kit

Code ALV914

- 1 x SLIM5A
- 1 x 125mm diameter x 3m length duct
- 1 x 125mm fixed or gravity grille



### SLIM6A Kit

Code ALV907

- 1 x SLIM6A
- 1 x 150mm diameter x 3m length duct
- 1 x 150mm fixed or gravity grille

*We design kits to suit your needs.*

SHARE THE WARMTH

# Heat Transfer Kits

EXTRACT AND SUPPLY



Transfer hot air from air conditioners and heaters from one room to another. Four kits specially designed to suit your family's needs.

Send us your floor plans and we will design a **Heat Transfer System** for your home!

**Kit 1/1A:** Room to Room



### ALV150HTKIT1

- 1 x LINEO150 in-line mixed-flow fan
- 2 x 6WRC-150mm cone grilles
- 1 x 6m/150mm insulated flex
- 1 x VA500 speed controller
- 1 x duct tape

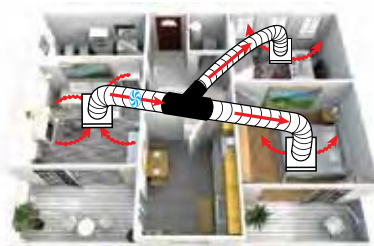
### ALVA60HTKIT1A

- 1 x A60 axial fan
- 2 x 6WRC-150mm cone grilles
- 1 x 6m/150mm insulated flex
- 1 x VA500 speed controller
- 1 x duct tape

### Technical Data

Model	Code	L/s	m <sup>3</sup> /hr	dBA
ALV150HTKIT1	ALV908	153	550	50
ALVA60HTKIT1A	ALV909	91	328	41

**Kit 2:** One Room to Two Rooms



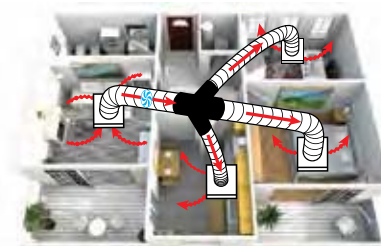
### ALV150HTKIT2

- 1 x LINEO150 in-line mixed-flow fan
- 3 x 6WRC-150mm cone grilles
- 2 x 6m/150mm insulated flex
- 1 x 3m/150mm insulated flex
- 1 x 150mm Y fitting
- 1 x VA500 speed controller
- 1 x duct tape

### Technical Data

Model	Code	L/s	m <sup>3</sup> /hr	dBA
ALV150HTKIT2	ALV910	153	550	50

**Kit 3:** One Room to Three Rooms



### ALV200HTKIT3

- 1 x LINEO200 in-line mixed-flow fan
- 1 x 8WRC-200mm cone grille
- 3 x 6WRC-150mm cone grilles
- 1 x 6m/200mm insulated flex
- 2 x 6m/150mm insulated flex
- 1 x DBTO-200/150/150/150
- 1 x VA500 speed controller
- 1 x duct tape

### Technical Data

Model	Code	L/s	m <sup>3</sup> /hr	dBA
ALV200HTKIT3	ALV911	264	950	52

Allvent Heat Transfer Kits come with speed controller and cone grilles as standard. Cone grilles can be changed to jet centre grilles upon request.

For more information on plastic cone and jet centre grilles see page ??? of this catalogue.

WHISPER QUIET, ROOM TO ROOM

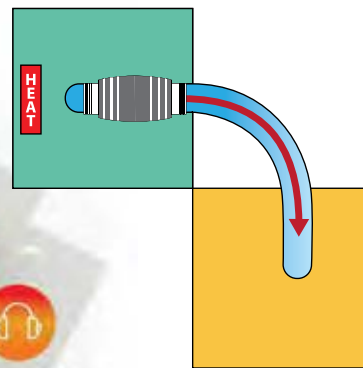
# Lineo Quiet HTS Kits

EXTRACT AND SUPPLY



The Lineo QUIET mixed-flow fan is specially designed for excellent sound attenuation.

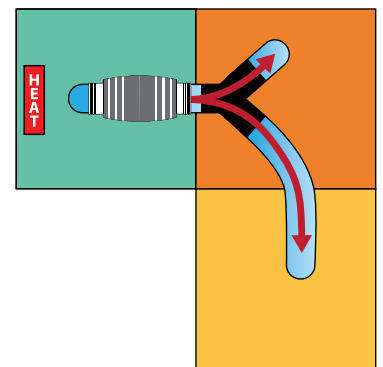
Ideal to boost warmth and comfort levels in cold bedrooms and chilly study areas where noise levels must be at a minimum.

**Kit 1:** Room to Room**ALV150HTSKIT1**

- 1 x Lineo QUIET 150/6 in-line mixed-flow fan
- 2 x 6WRC-150mm ceiling grilles
- 1 x 6m/150mm insulated flex
- 1 x duct tape

## Technical Data

Model	Code	L/s	m <sup>3</sup> /hr	dBA
ALV150HTS KIT1	ALV913	152	550	31

**Kit 2:** One Room to Two Rooms**ALV150HTSKIT2**

- 1 x Lineo QUIET 150/6 in-line mixed-flow fan
- 3 x 6WRC-150mm ceiling grilles
- 2 x 6m/150mm insulated flex
- 1 x 150mm Y fitting
- 1 x duct tape

## Technical Data

Model	Code	L/s	m <sup>3</sup> /hr	dBA
ALV150HTS KIT2	ALV912	152	550	31

EXHAUST KITS

# Prestige Bathroom Kits

NEW AND EXCLUSIVE

*The Lineo QUIET Series\* silent, mixed-flow fans are specially designed for excellent sound attenuation. Ideal for environments where noise levels must be at a minimum.*

Allvent welcomes you their new Prestige Range. Quality, excellence in airflow, and practical application with modern styling, specifically designed for the architect and selective home owner.

\* Lineo QUIET mixed flow fan

Flexible core ducting

Prestige exhaust grille

Stainless steel external grille

\* See Page XX for more information on the Lineo QUIET Series.



## Its in the box.

- Your choice between 2 x prestige exhaust grilles
- Lineo QUIET mixed flow fan
- Flexible core ducting
- Stainless steel external gravity grille



### Prestige Bathroom Exhaust Kit 1

Code ALVPKIT1

Frameless Grille  
Gyprock set



### Prestige Bathroom Exhaust Kit 2

Code ALVPKIT2

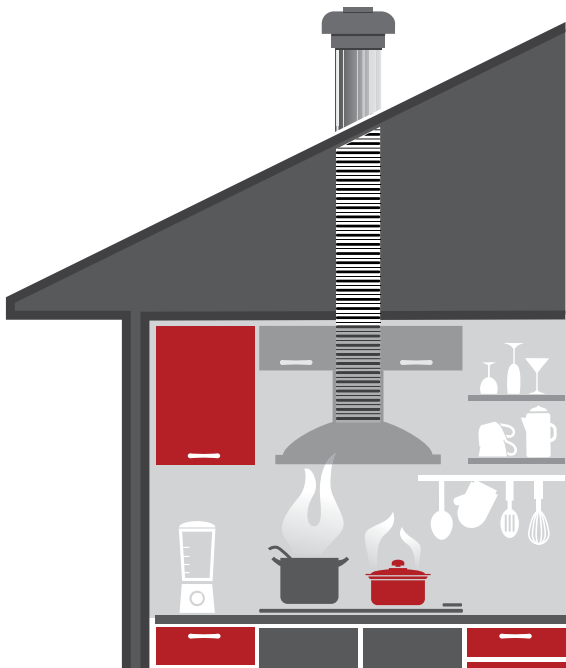
Framed Grille

OPTIMISING RANGEHOOD PERFORMANCE

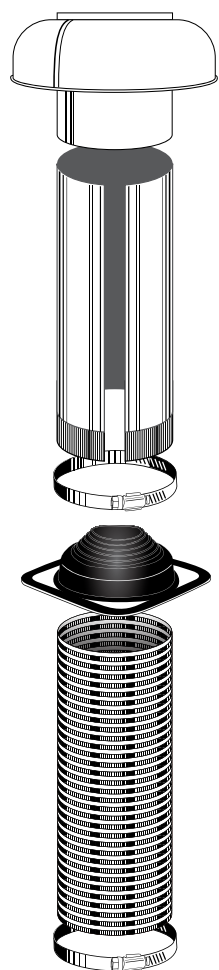
# Universal Rangehood Kit

125/150MM

- Cleaner home environment
- Clean roof space
- Improves efficiency
- Reduces fire risks



## Rangehood Components



Roof Mushroom Cowl  
Superior weather protection

Brace Strap  
In-roof support for solid duct

Clip Seam Solid Duct  
150mm x 610mm

Metal Worm Drive Clamp  
Secures duct fitting

Metal Roof Flashing  
Roof weather protection

Semi-Rigid Aluminium Duct  
150mm x 3m

Metal Worm Drive Clamp  
Secures duct fitting

## Alternate Venting Options



Wall  
GRAVITY VENT



Eave  
GRILLE VENT



## Accessories and Essentials

### **Prestige Grille Range**

Frameless Square Ceiling Grille	42
Framed Square Ceiling Grille	43
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### **Grilles and Accessories**

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Accessories	52
Flat Pack Ducting	53

PRESTIGE RANGE

# Square Ceiling Grille

FRAMELESS AND FLUSH TO CEILING

Prestige appeal for the discerning architect, interior designer or home builder.

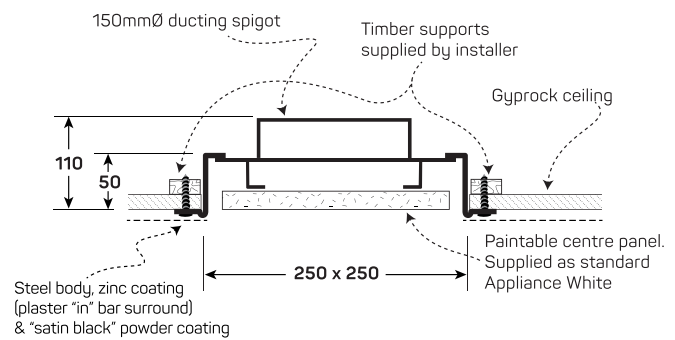


## Features

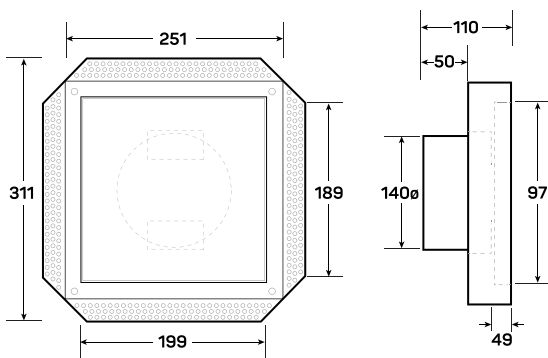
The Allvent Frameless Square Ceiling Grille is set flush in the gyprock, creating a timeless and minimalistic look for your bathroom, laundry or anywhere that stylish venting may be required. The elegant grille design allows for ventilation to occur around the extremities of the centre panel, increasing efficiency and streamlining your ceiling space.

The Allvent Frameless Square Ceiling Grille (250mm x 250mm) has a white powder-coated metal centre panel that connects to a black powder-coated metal internal housing with a 150mm spigot. Once the grille is positioned, the centred spigot will hold the flexible duct in place and the centre panel will be level with the ceiling. Ideally, the centre panel can be painted the ceiling colour to further perfect the seamless appeal.

## Installation Guide



## Dimensions



## PRESTIGE RANGE

## Slim Square Ceiling Grille

FRAMED AND FLUSH TO CEILING

Prestige appeal for the discerning architect, interior designer or home builder.

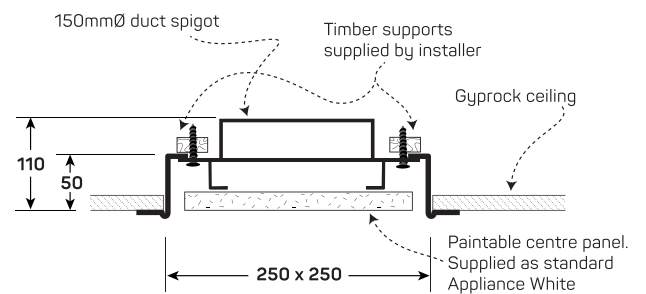


## Features

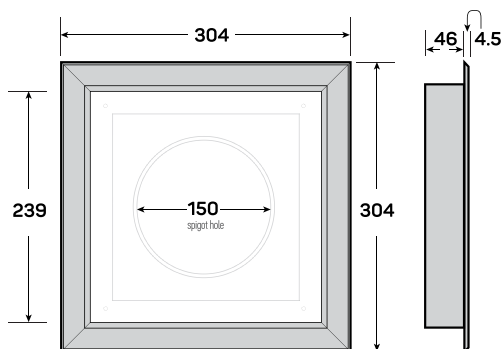
The Allvent Slim Square Ceiling Grille creates a timeless and minimalistic look for your bathroom, laundry or anywhere that stylish venting may be required. The elegant grille design allows for ventilation to occur around the extremities of the centre panel, increasing efficiency and streamlining your ceiling space.

The Allvent Slim Square Ceiling Grille (250mm x 250mm) has a white powder-coated metal centre panel that connects to a black powder-coated metal internal housing with a 150mm spigot. Once the grille is positioned, the centred spigot will hold the flexible duct in place and the centre panel will be level with the ceiling. Ideally, the centre panel can be painted the ceiling colour to further perfect the seamless appeal.

## Installation Guide



## Dimensions



PRESTIGE RANGE

# Rectangular Ceiling Grille

FRAMELESS AND FLUSH TO CEILING



Frameless Rectangular Grille outlet vent for flush mounting to ceilings in bathrooms, laundries etc. Prestige appeal for the discerning architect or designer.

## Features

The unit is mounted into the ceiling to allow the flexible duct to be pulled through the frame and attached to the duct spigot in the back of the central panel. Once fitted, the fascia is level with the ceiling, and the internal housing provides a neat, fitted detail.

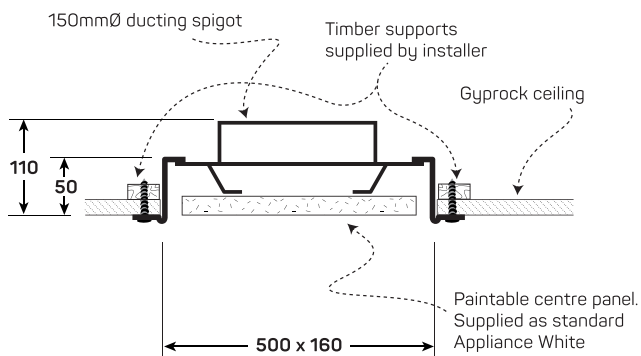
Centre panel can be painted to match ceiling colour.

500mm x 160mm overall

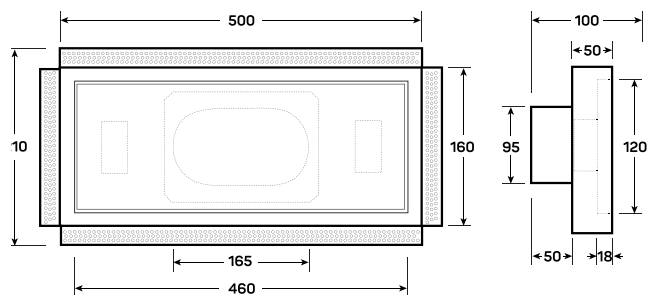
Plaque size 460mm x 120mm

150mm spigot conduit fits most standard ducting

## Installation Guide



## Dimensions



## WALL/EAVE STAINLESS STEEL GRILLES – 304 GRADE

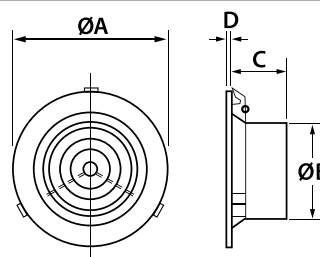
Model	Code	Technical Data																																								
 <p><b>BUSHFIRE COMPLIANT</b></p> <p><b>Dome Grille: DG</b> Designed for exhaust ventilation where adverse weather conditions are experienced. Insect mesh included. Bushfire compliant BAL40. <i>Ember-proof mesh fitted in back</i></p>	ALV201 ALV202 ALV203	 <table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Duct Size</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>DG100</td> <td>ALV201</td> <td>100</td> <td>150</td> <td>95</td> <td>45</td> <td>95</td> </tr> <tr> <td>DG125</td> <td>ALV202</td> <td>125</td> <td>180</td> <td>120</td> <td>50</td> <td>110</td> </tr> <tr> <td>DG150</td> <td>ALV203</td> <td>150</td> <td>205</td> <td>145</td> <td>50</td> <td>110</td> </tr> </tbody> </table>	Model	Code	Duct Size	A	B	C	D	DG100	ALV201	100	150	95	45	95	DG125	ALV202	125	180	120	50	110	DG150	ALV203	150	205	145	50	110												
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DG150	ALV203	150	205	145	50	110																																				
 <p><b>BUSHFIRE COMPLIANT</b></p> <p><b>Gravity Grille: GG</b> The gravity louvered grille is designed to allow air to be vented to the atmosphere while protecting against backdraft and vermin entry. Requires a minimum 20Pa pressure to open (100mm). Bushfire compliant BAL40. <i>Ember-proof mesh fitted in back</i></p>	ALV204 ALV205 ALV206 ALV207	 <table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Duct Size</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>GG100</td> <td>ALV204</td> <td>100</td> <td>150</td> <td>150</td> <td>95</td> <td>50</td> <td>20</td> </tr> <tr> <td>GG125</td> <td>ALV205</td> <td>125</td> <td>180</td> <td>180</td> <td>120</td> <td>50</td> <td>20</td> </tr> <tr> <td>GG150</td> <td>ALV206</td> <td>150</td> <td>180</td> <td>180</td> <td>145</td> <td>60</td> <td>20</td> </tr> <tr> <td>GG200</td> <td>ALV207</td> <td>200</td> <td>260</td> <td>260</td> <td>190</td> <td>65</td> <td>20</td> </tr> </tbody> </table>	Model	Code	Duct Size	A	B	C	D	E	GG100	ALV204	100	150	150	95	50	20	GG125	ALV205	125	180	180	120	50	20	GG150	ALV206	150	180	180	145	60	20	GG200	ALV207	200	260	260	190	65	20
Model	Code	Duct Size	A	B	C	D	E																																			
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GG125	ALV205	125	180	180	120	50	20																																			
GG150	ALV206	150	180	180	145	60	20																																			
GG200	ALV207	200	260	260	190	65	20																																			
 <p><b>BUSHFIRE COMPLIANT</b></p> <p><b>Hood Grille: HG</b> Designed for use where adverse weather conditions are experienced. Stainless Weatherproof cowl requires a minimum 10Pa pressure to open. Bushfire compliant BAL40. <i>Ember-proof mesh fitted in back</i></p>	ALV208 ALV209 ALV210	 <table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Duct Size</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>HG100</td> <td>ALV208</td> <td>100</td> <td>150</td> <td>150</td> <td>95</td> <td>75</td> <td>50</td> </tr> <tr> <td>HG125</td> <td>ALV209</td> <td>125</td> <td>180</td> <td>180</td> <td>120</td> <td>91</td> <td>50</td> </tr> <tr> <td>HG150</td> <td>ALV210</td> <td>150</td> <td>180</td> <td>180</td> <td>145</td> <td>91</td> <td>60</td> </tr> </tbody> </table>	Model	Code	Duct Size	A	B	C	D	E	HG100	ALV208	100	150	150	95	75	50	HG125	ALV209	125	180	180	120	91	50	HG150	ALV210	150	180	180	145	91	60								
Model	Code	Duct Size	A	B	C	D	E																																			
HG100	ALV208	100	150	150	95	75	50																																			
HG125	ALV209	125	180	180	120	91	50																																			
HG150	ALV210	150	180	180	145	91	60																																			
 <p><b>BUSHFIRE COMPLIANT</b></p> <p><b>Eave Grille: EG</b> The round, flush eave grille is ideal for under-eave venting. Can be used as an inlet or outlet vent. Bushfire compliant BAL40. <i>Ember-proof mesh fitted in back</i></p>	ALV211 ALV212 ALV213 ALV214	 <table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Duct Size</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>EG100</td> <td>ALV211</td> <td>100</td> <td>145</td> <td>95</td> <td>5</td> <td>50</td> </tr> <tr> <td>EG125</td> <td>ALV212</td> <td>125</td> <td>180</td> <td>120</td> <td>5</td> <td>50</td> </tr> <tr> <td>EG150</td> <td>ALV213</td> <td>150</td> <td>205</td> <td>145</td> <td>5</td> <td>65</td> </tr> <tr> <td>EG200</td> <td>ALV214</td> <td>200</td> <td>265</td> <td>194</td> <td>5</td> <td>70</td> </tr> </tbody> </table>	Model	Code	Duct Size	A	B	C	D	EG100	ALV211	100	145	95	5	50	EG125	ALV212	125	180	120	5	50	EG150	ALV213	150	205	145	5	65	EG200	ALV214	200	265	194	5	70					
Model	Code	Duct Size	A	B	C	D																																				
EG100	ALV211	100	145	95	5	50																																				
EG125	ALV212	125	180	120	5	50																																				
EG150	ALV213	150	205	145	5	65																																				
EG200	ALV214	200	265	194	5	70																																				

## INTERNAL CEILING GRILLES

Model	Description	Code	Technical Data			
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ALV215  
ALV216  
ALV217  
ALV218



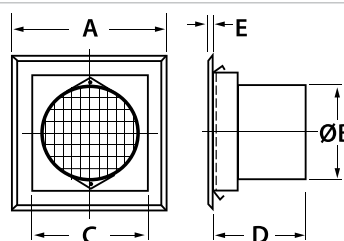
### Jet Centre Grille: Euro WR

This range of downjet ceiling diffusers evenly disperses air to a chosen area. Simple to install, it comes with spring loaded attachment arms that lock and secure the vent in place.

Model	Code	Duct Size	A	B	C	D
Euro 4WR	ALV215	100	143	98	57	5
Euro 6WR	ALV216	150	235	148	95	5
Euro 8WR	ALV217	200	255	198	105	5
Euro 10WR	ALV218	250	330	248	120	5



ALV219  
ALV220  
ALV221



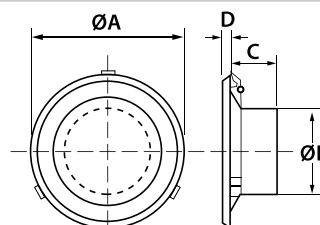
### Egg Crate Grille: ERG

The square-faced egg crate grille is commonly used for air intake. Metal construction.

Model	Code	Duct Size	A	B	C	D	E
ERG151515	ALV219	150	200	148	155	120	5
ERG202015	ALV220	200	250	198	210	125	5
ERG202020	ALV221	200	250	198	210	125	5



ALV222  
ALV223  
ALV224  
ALV225  
ALV226



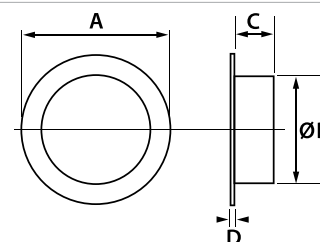
### Cone Grille: Euro WRC

Commonly used for air intake, the design of these ceiling diffusers accept air from surrounding surfaces and not directly below. Ideal for heat, smoke and vapour extraction/transfer. Simple airflow control – screw the inverted cone centre.

Model	Code	Duct Size	A	B	C	D
Euro 4WRC	ALV222	100	147	98	57	17
Euro 6WRC	ALV223	150	265	147	90	15
Euro 8WRC	ALV224	200	320	198	90	15
Euro 10WRC	ALV225	250	400	247	100	15
Euro 12WRC	ALV226	300	440	298	100	20



ALV227  
ALV228  
ALV229  
ALV230


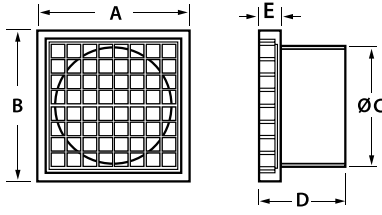


### Stainless Steel Cone Grille: CG

Commonly used for air intake, the design of these ceiling diffusers accept air from surrounding surfaces and not directly below. Ideal for heat, smoke and vapour extraction/transfer. Simple airflow control – screw the inverted cone centre.

Model	Code	Duct Size	A	B	C	D
CG100	ALV227	100	140	98	45	9
CG125	ALV228	125	175	123	45	12
CG150	ALV229	150	220	148	60	20
CG200	ALV230	200	275	198	65	20

## INTERNAL WALL/CEILING GRILLES: PLASTIC


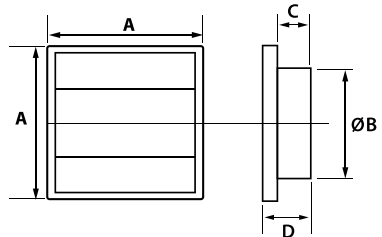
Model	Description	Code	Technical Data				
		ALV238 ALV239 ALV240					
Model	Code	Duct Size	A	B	C	D	E
PEG100	ALV238	100	125	125	98	71	17
PEG125	ALV239	125	150	150	123	71	17
PEG150	ALV240	150	175	175	148	71	17

**Plastic Eggcrate Grille: PEG**

The eggcrate grille may be used as an outlet or a fresh air intake vent. Used as a wall or ceiling vent.

*PEG comes with screws and wall plugs*


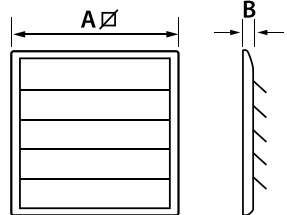
## EXTERNAL WALL GRILLES: PLASTIC

Model	Description	Code	Technical Data				
		ALV231 ALV232 ALV233 ALV260					
Model	Code	Duct Size	A	B	C	D	
Euro 4WGS	ALV231	100	125	98	54	71	
Euro 5WGS	ALV232	125	150	123	54	71	
Euro 6WGS	ALV233	150	175	148	54	71	
Euro 8WGS	ALV260	200	227	198	54	71	

**Gravity Grille: Euro WGS**


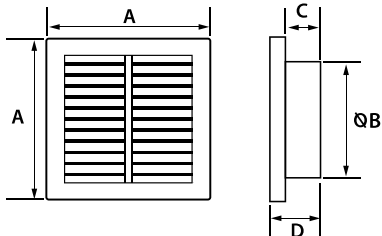
The gravity louvered vent is designed to allow air to be vented to the atmosphere while stopping outside air and pests entering the system when not in use.

*Euro WGS comes with screws and wall plugs*

	ALV22335 ALV22336 ALV22337					
Model	Code	Duct Size	A	B		
GGR200	ALV22335	200	254	14		
GGR250	ALV22336	250	299	14		
GGR315	ALV22337	315	391	14		

**Gravity Shutter: GGR**

For preventing air backdraught or rain penetration when the unit is turned off.

	ALV234 ALV235 ALV236 ALV237					
Model	Code	Duct Size	A	B	C	D
Euro 4WG	ALV234	100	125	99	54	71
Euro 5WG	ALV235	125	150	123	54	71
Euro 6WG	ALV236	150	175	148	54	71
Euro 8WG	ALV237	200	227	198	54	71

**Fixed Grille: Euro WG**

The fixed grille may be used as an outlet or a fresh air intake vent. Used as a wall, ceiling or under-eave vent.

*Euro WG comes with screws, wall plugs and insect mesh*

## EXTERNAL WALL GRILLES: ALUMINIUM

Model	Description	Code	Technical Data		
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ALV241  
ALV242  
ALV243  
ALV244  
ALV245

Model	Code	Duct Size	Face Size	Neck Size
WPL	ALV241	150	280x212mm	225x175mm
WPL15	ALV242	150	200x200mm	145x145mm
WPL20	ALV243	200	250x250mm	195x195mm
WPL25	ALV244	250	300x300mm	245x245mm
WPL30	ALV245	300	350x350mm	295x295mm

**Weather Proof Grille: WPL**  
Aluminium louvered grille for external weather proof applications. Box adaptor with duct connection.

WPL comes complete with wire mesh

Grilles are natural anodised as standard. Any size available on request.



ALV257  
ALV258

Model	Code	Suit this Grille	Size
BOX975	ALV257	WPL95	225x125mm
BOX976	ALV258	WPL97	225x175mm

**WPL Snap-on Box**  
Simply snap into WPL box.



ALV246  
ALV247  
ALV248  
ALV249  
ALV250  
ALV251

Model	Code	Duct Size
RWL150	ALV246	150mm
RWL200	ALV247	190mm
RWL250	ALV248	240mm
RWL300	ALV249	290mm
RWL350	ALV250	350mm
RWL400	ALV251	400mm

**Circular Grille: RWL**  
Aluminium, powder-coated grille for external, weather-proof applications.



ALV280  
ALV281  
ALV282  
ALV283  
ALV284  
ALV285  
ALV286  
ALV287  
ALV288  
ALV289  
ALV290  
ALV291  
ALV292


Model	Code	Face Size (D)	Neck Size (DxW)
ALVDG126	ALV280	175mm	150x300mm
ALVDG186	ALV281	175mm	150x450mm
ALVDG244	ALV282	125mm	100x600mm
ALVDG246	ALV283	175mm	150x600mm
ALVDG248	ALV284	225mm	200x600mm
ALVDG2410	ALV285	275mm	250x600mm
ALVDG1212	ALV286	325mm	300x300mm
ALVDG2012	ALV287	325mm	300x500mm
ALVDG2412	ALV288	325mm	300x600mm
ALVDG2416	ALV289	425mm	400x600mm
ALVDG1818	ALV290	475mm	450x450mm
ALVDG2418	ALV291	475mm	450x600mm
ALVDG2424	ALV292	625mm	600x600mm

**Door Grille: ALVDG**  
For air relief, single set of fixed blades. Easy snap together installation - no drilling required. High quality extruded aluminium sections, blades are fixed at 22mm centres. Suitable for door thicknesses of 30-45 mm. Comes complete with telescopic back frame for aesthetic appearance on both sides of the door.


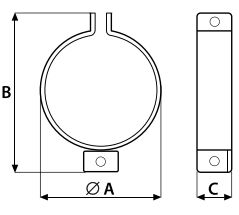


Any size available on request






## DUCTING AND DUCTING ACCESSORIES

Model	Description	Code	Technical Data				
	<b>Core Ducting</b> Commercial ventilation ducting • Silver / Black • Fire Rated AS4254	<b>ALV401</b> <b>ALV402</b> <b>ALV403</b> <b>ALV404</b> <b>ALV405</b> <b>ALV406</b> <b>ALV407</b> <b>ALV408</b> <b>ALV409</b> <b>ALV410</b> <b>ALV411</b>		<b>Model</b>	<b>Code</b>	<b>Size</b>	
				ALVHF3100	ALV401	100mm/3m	
				ALVHF3125	ALV402	125mm/3m	
				ALVHF3150	ALV403	150mm/3m	
				ALVHF3200	ALV404	200mm/3m	
				ALVHF6100	ALV405	100mm/6m	
				ALVHF6125	ALV406	125mm/6m	
				ALVHF6150	ALV407	150mm/6m	
				ALVHF6200	ALV408	200mm/6m	
				ALVHF6250	ALV409	250mm/6m	
				ALVHF6300	ALV410	300mm/6m	
				ALVHF6350	ALV411	350mm/6m	
				<b>Insulated Ducting</b> General purpose ducting • Silver/Black + inner core • Fire Rated AS4254	<b>ALV412</b> <b>ALV413</b> <b>ALV414</b> <b>ALV415</b> <b>ALV416</b>		<b>Model</b>
	ALVINS6150	ALV412				150mm/6m	
	ALVINS6200	ALV413				200mm/6m	
	ALVINS6250	ALV414				250mm/6m	
	ALVINS6300	ALV415				300mm/6m	
	ALVINS6350	ALV416				350mm/6m	
	<b>Semi-rigid Ducting</b> High temperature ducting • Fire Rated AS425 (-70° to 220°) • Rangehood Exhaust	<b>ALV428</b> <b>ALV429</b> <b>ALV430</b> <b>ALV431</b>		<b>Model</b>	<b>Code</b>	<b>Size</b>	
				ALVSRF100	ALV428	100mm/3m	
				ALVSRF125	ALV429	125mm/3m	
				ALVSRF150	ALV430	150mm/3m	
				ALVSRF200	ALV431	200mm/3m	
	<b>Reducers</b> • Poly fitting • Heavy duty • High density polyethylene • Positive lock duct tabs	<b>ALV301</b> <b>ALV302</b> <b>ALV303</b> <b>ALV304</b> <b>ALV305</b> <b>ALV306</b>		<b>Model</b>	<b>Code</b>	<b>Size</b>	
				ALVRED10-12	ALV301	100-125mm	
				ALVRED10-15	ALV302	100-150mm	
				ALVRED12-15	ALV303	125-150mm	
				ALVRED15-20	ALV304	150-200mm	
				ALVRED20-25	ALV305	200-250mm	
				ALVRED25-30	ALV306	250-300mm	
	<b>Y Fitting</b> • Poly and metal fitting • UV stabilised • Robust • Smooth internal lines	<b>ALV307</b> <b>ALV308</b> <b>ALV309</b> <b>ALV310</b> <b>ALV311</b> <b>ALV312</b>		<b>Model</b>	<b>Code</b>	<b>Size</b>	<b>Material</b>
				ALVY10	ALV307	100mm	Metal
				ALVY12	ALV308	125mm	Metal
				ALVY15	ALV309	150mm	Poly
				ALVY20	ALV310	200mm	Poly
				ALVY25	ALV311	250mm	Poly
				ALVY30	ALV312	300mm	Poly
	<b>Double BTO</b> • Poly fitting • UV stabilised • Robust • Smooth internal lines	<b>ALV313</b> <b>ALV314</b>	<i>MADE TO ORDER available</i>		<b>Model</b>	<b>Code</b>	<b>Description (mm)</b>
					ALVDBTO8666	ALV313	200x150x150x150 4-way junction poly
					ALVDBTO10888	ALV314	250x200x200x200 4-way junction poly
	<b>Reducer Y Fitting</b> • Poly fitting • UV stabilised • Robust • Smooth internal lines	<b>ALV315</b> <b>ALV316</b> <b>ALV317</b> <b>ALV318</b>		<b>Model</b>	<b>Code</b>	<b>Size</b>	
				ALVY644	ALV315	150x100x100mm	
				ALVY866	ALV316	200x150x150mm	
				ALVY1088	ALV317	250x200x200mm	
				ALVY121010	ALV318	300x250x250mm	

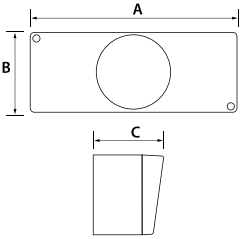

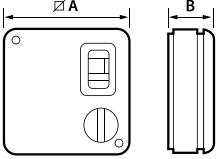


DUCTING AND DUCTING ACCESSORIES (cont.)

Model	Description	Code	Technical Data																																						
	<b>Fast Duct Clamps</b> Galvanised sheet steel complete in pack of two.	ALV22667 ALV22668 ALV22669 ALV22671 ALV22672 ALV22673		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr><td>CA-FU100</td><td>ALV22667</td><td>103</td><td>138</td><td>30</td></tr> <tr><td>CA-FU125</td><td>ALV22668</td><td>128</td><td>163</td><td>30</td></tr> <tr><td>CA-FU150</td><td>ALV22669</td><td>153</td><td>188</td><td>30</td></tr> <tr><td>CA-FU200</td><td>ALV22671</td><td>203</td><td>238</td><td>30</td></tr> <tr><td>CA-FU250</td><td>ALV22672</td><td>253</td><td>288</td><td>30</td></tr> <tr><td>CA-FU315</td><td>ALV22673</td><td>318</td><td>353</td><td>30</td></tr> </tbody> </table>	Model	Code	A	B	C	CA-FU100	ALV22667	103	138	30	CA-FU125	ALV22668	128	163	30	CA-FU150	ALV22669	153	188	30	CA-FU200	ALV22671	203	238	30	CA-FU250	ALV22672	253	288	30	CA-FU315	ALV22673	318	353	30		
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CA-FU200	ALV22671	203	238	30																																					
CA-FU250	ALV22672	253	288	30																																					
CA-FU315	ALV22673	318	353	30																																					
	<b>Start Collar</b> Available in 6 sizes.	ALV325 ALV326 ALV327 ALV328 ALV329 ALV330		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALVCON10</td><td>ALV325</td><td>100mm</td></tr> <tr><td>ALVCON12</td><td>ALV326</td><td>125mm</td></tr> <tr><td>ALVCON15</td><td>ALV327</td><td>150mm</td></tr> <tr><td>ALVCON20</td><td>ALV328</td><td>200mm</td></tr> <tr><td>ALVCON25</td><td>ALV329</td><td>250mm</td></tr> <tr><td>ALVCON30</td><td>ALV330</td><td>300mm</td></tr> </tbody> </table>	Model	Code	Size	ALVCON10	ALV325	100mm	ALVCON12	ALV326	125mm	ALVCON15	ALV327	150mm	ALVCON20	ALV328	200mm	ALVCON25	ALV329	250mm	ALVCON30	ALV330	300mm																
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ALVCON30	ALV330	300mm																																							
	<b>Duct Connector</b> All sizes available in metal or plastic.	ALV319 ALV320 ALV321 ALV322 ALV323 ALV324		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALVDJ10</td><td>ALV319</td><td>100mm</td></tr> <tr><td>ALVDJ12</td><td>ALV320</td><td>125mm</td></tr> <tr><td>ALVDJ15</td><td>ALV321</td><td>150mm</td></tr> <tr><td>ALVDJ20</td><td>ALV322</td><td>200mm</td></tr> <tr><td>ALVDJ25</td><td>ALV323</td><td>250mm</td></tr> <tr><td>ALVDJ30</td><td>ALV324</td><td>300mm</td></tr> </tbody> </table>	Model	Code	Size	ALVDJ10	ALV319	100mm	ALVDJ12	ALV320	125mm	ALVDJ15	ALV321	150mm	ALVDJ20	ALV322	200mm	ALVDJ25	ALV323	250mm	ALVDJ30	ALV324	300mm																
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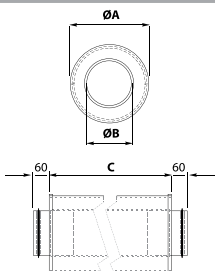

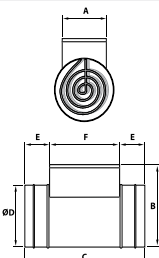

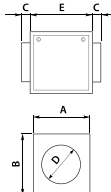

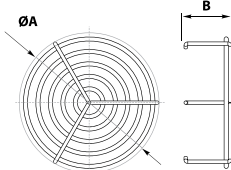

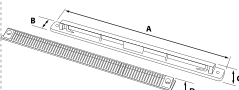
DAMPERS

Model	Description	Code	Technical Data																								
	<b>Non-return Dampers</b> Backdraft shutter, air-stream operated for installation in-line with circular ducting	ALV339 ALV340 ALV341 ALV342 ALV343 ALV344		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALVBD10</td><td>ALV339</td><td>100mm</td></tr> <tr><td>ALVBD12</td><td>ALV340</td><td>125mm</td></tr> <tr><td>ALVBD15</td><td>ALV341</td><td>150mm</td></tr> <tr><td>ALVBD20</td><td>ALV342</td><td>200mm</td></tr> <tr><td>ALVBD25</td><td>ALV343</td><td>250mm</td></tr> <tr><td>ALVBD30</td><td>ALV344</td><td>300mm</td></tr> </tbody> </table>	Model	Code	Size	ALVBD10	ALV339	100mm	ALVBD12	ALV340	125mm	ALVBD15	ALV341	150mm	ALVBD20	ALV342	200mm	ALVBD25	ALV343	250mm	ALVBD30	ALV344	300mm		
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ALVBD25	ALV343	250mm																									
ALVBD30	ALV344	300mm																									
	<b>Intumescent Circular Fire Dampers</b> Multi-purpose with zinc-coated steel finish	ALV501 ALV502 ALV503 ALV504 ALV505 ALV506	<b>Intumescent Grilles/ Fire Dampers</b> <ul style="list-style-type: none"> <li>• Rigid steel framed grille that intumesces to form a fire stop barrier</li> <li>• Allows air flow through fire-rated walls and floors</li> <li>• Can be fitted into a steel duct</li> </ul>	<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALVIFDR4</td><td>ALV501</td><td>100mm</td></tr> <tr><td>ALVIFDR5</td><td>ALV502</td><td>125mm</td></tr> <tr><td>ALVIFDR6</td><td>ALV503</td><td>150mm</td></tr> <tr><td>ALVIFDR8</td><td>ALV504</td><td>200mm</td></tr> <tr><td>ALVIFDR10</td><td>ALV505</td><td>250mm</td></tr> <tr><td>ALVIFDR12</td><td>ALV506</td><td>300mm</td></tr> </tbody> </table>	Model	Code	Size	ALVIFDR4	ALV501	100mm	ALVIFDR5	ALV502	125mm	ALVIFDR6	ALV503	150mm	ALVIFDR8	ALV504	200mm	ALVIFDR10	ALV505	250mm	ALVIFDR12	ALV506	300mm		
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ALVIFDR12	ALV506	300mm																									
	<b>Intumescent Square Fire Dampers</b> Multi-purpose with zinc-coated steel finish. * Rectangle Intumescent Fire Dampers also available	ALV507 ALV508 ALV509 ALV510 ALV511 ALV512		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALVIFDS66</td><td>ALV507</td><td>150mm Sq</td></tr> <tr><td>ALVIFDS88</td><td>ALV508</td><td>200mm Sq</td></tr> <tr><td>ALVIFDS1212</td><td>ALV509</td><td>300mm Sq</td></tr> <tr><td>ALVIFDS1515</td><td>ALV510</td><td>450mm Sq</td></tr> <tr><td>ALVIFDS2020</td><td>ALV511</td><td>500mm Sq</td></tr> <tr><td>ALVIFDS2424</td><td>ALV512</td><td>600mm Sq</td></tr> </tbody> </table>	Model	Code	Size	ALVIFDS66	ALV507	150mm Sq	ALVIFDS88	ALV508	200mm Sq	ALVIFDS1212	ALV509	300mm Sq	ALVIFDS1515	ALV510	450mm Sq	ALVIFDS2020	ALV511	500mm Sq	ALVIFDS2424	ALV512	600mm Sq		
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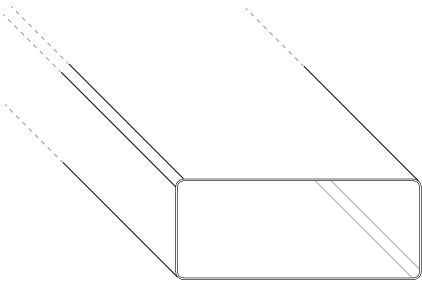
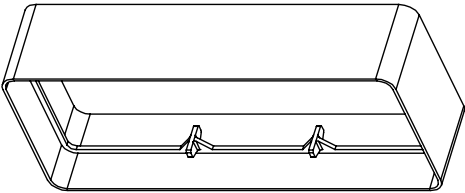
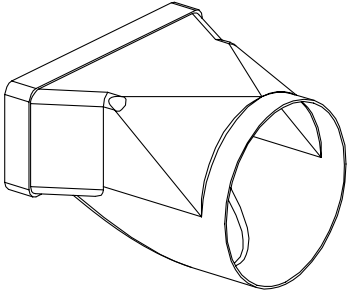
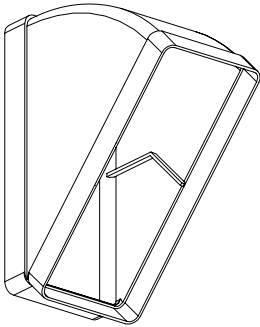
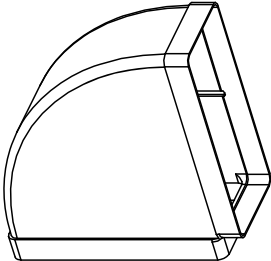
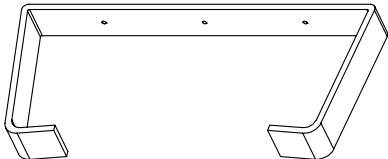
## CONTROLLERS

Model	Description	Code	Technical Data																																	
	<b>Vortice Environmental Sensors</b> Designed to detect environmental conditions ie: humidity, temperature, human motion, smoke and odour and automatically activate the extractor fans. Suitable for all vortice vario models.	<b>ALV12992</b> <b>ALV12993</b> <b>ALV12994</b> <b>ALV12998</b> <b>ALV12999</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>C TEMP</td> <td>ALV12992</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> <tr> <td>C SMOKE</td> <td>ALV12993</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> <tr> <td>C HCS</td> <td>ALV12994</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> <tr> <td>C PIR</td> <td>ALV12998</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> <tr> <td>C TIMER</td> <td>ALV12999</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> </tbody> </table>	Model	Code	A	B	C	C TEMP	ALV12992	144	54	55.8	C SMOKE	ALV12993	144	54	55.8	C HCS	ALV12994	144	54	55.8	C PIR	ALV12998	144	54	55.8	C TIMER	ALV12999	144	54	55.8	<b>Vortice Range</b> C TEMP measures ambient room temperature C SMOKE measures the air quality C HCS measures ambient relative humidity C PIR detects the presence of a moving body C TIMER - an adjustable over-run timer	
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C TEMP	ALV12992	144	54	55.8																																
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	<b>Vortice Speed Controller</b> Speed controller for all Vortice fan products.	<b>ALV12966</b> <b>ALV12967</b> <b>ALV12987</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>C1.5</td> <td>ALV12966</td> <td>120</td> <td>43</td> </tr> <tr> <td>C2.5</td> <td>ALV12967</td> <td>120</td> <td>43</td> </tr> <tr> <td>C0.5</td> <td>ALV12987</td> <td>120</td> <td>43</td> </tr> </tbody> </table>	Model	Code	A	B	C1.5	ALV12966	120	43	C2.5	ALV12967	120	43	C0.5	ALV12987	120	43																
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	<b>Speed Controllers</b> ESA1 Electronic speed controllers for stepless speed control of single phase fans. White polymer casing.	<b>ALV0238</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>Current</th> <th>Dimensions</th> <th>Protection</th> </tr> </thead> <tbody> <tr> <td>ESA1</td> <td>ALV0238</td> <td>Min 0.15amps</td> <td>W80 x H80 x D65</td> <td>IP40</td> </tr> </tbody> </table>	Model	Code	Current	Dimensions	Protection	ESA1	ALV0238	Min 0.15amps	W80 x H80 x D65	IP40																						
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	<b>Vortice Timer</b> C TIMER Checks operating time of the appliance to which it is connected - fully adjustable from 3-20 minutes.	<b>ALV12999</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>C TIMER</td> <td>ALV12999</td> <td>144</td> <td>54</td> <td>55.8</td> </tr> </tbody> </table>	Model	Code	A	B	C	C TIMER	ALV12999	144	54	55.8																						
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	<b>Star Delta Switch</b> DS2 On/off and reversing switch for two speed, three phase star/delta motors. Polymer casing for surface mounting. 5.5Kw.	<b>ALV1351</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>V</th> <th>Current</th> <th>Dimensions</th> <th>Kg</th> <th>Protection</th> </tr> </thead> <tbody> <tr> <td>DS2</td> <td>ALV1351</td> <td>400V / 50Hz</td> <td>12amps</td> <td>W82 x H82 x D130</td> <td>0.4</td> <td>IP54</td> </tr> </tbody> </table>	Model	Code	V	Current	Dimensions	Kg	Protection	DS2	ALV1351	400V / 50Hz	12amps	W82 x H82 x D130	0.4	IP54																		
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	<b>Temperature Control</b> TA3 Robust electro/mechanic thermostat for temperature dependent on/off operation for fans and heaters.	<b>ALV601</b>																																		
	<b>Pressure Switch</b> Connect to Filter Box.	<b>ALV22240</b>																																		
	<b>Speed Controller</b>	<b>ALV606</b> <b>ALV603</b> <b>ALV604</b> <b>ALV605</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>W</th> <th>Max Amps</th> </tr> </thead> <tbody> <tr> <td>VA500</td> <td>ALV606</td> <td>500</td> <td>2.0</td> </tr> <tr> <td>VA700</td> <td>ALV603</td> <td>700</td> <td>2.9</td> </tr> <tr> <td>VA1200</td> <td>ALV604</td> <td>1200</td> <td>5.0</td> </tr> <tr> <td>VA2400</td> <td>ALV605</td> <td>2400</td> <td>10</td> </tr> </tbody> </table>	Model	Code	W	Max Amps	VA500	ALV606	500	2.0	VA700	ALV603	700	2.9	VA1200	ALV604	1200	5.0	VA2400	ALV605	2400	10												
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ACCESSORIES

Model	Description	Code	Technical Data																																																																							
	<b>Noise Attenuator</b> Install in ventilation system always after the fan and/or the filterbox/duct heater.	<b>ALV22780</b> <b>ALV22781</b> <b>ALV22756</b> <b>ALV22784</b> <b>ALV22785</b> <b>ALV22786</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> <th colspan="3"></th> </tr> </thead> <tbody> <tr> <td>NA100</td> <td>ALV22780</td> <td>211</td> <td>100</td> <td>1000</td> <td colspan="3"></td> </tr> <tr> <td>NA125</td> <td>ALV22781</td> <td>241</td> <td>125</td> <td>1000</td> <td colspan="3"></td> </tr> <tr> <td>NA150</td> <td>ALV22756</td> <td>266</td> <td>150</td> <td>1000</td> <td colspan="3"></td> </tr> <tr> <td>NA200</td> <td>ALV22784</td> <td>316</td> <td>200</td> <td>1000</td> <td colspan="3"></td> </tr> <tr> <td>NA250</td> <td>ALV22785</td> <td>367</td> <td>250</td> <td>1000</td> <td colspan="3"></td> </tr> <tr> <td>NA315</td> <td>ALV22786</td> <td>417</td> <td>315</td> <td>1000</td> <td colspan="3"></td> </tr> </tbody> </table>							Model	Code	A	B	C				NA100	ALV22780	211	100	1000				NA125	ALV22781	241	125	1000				NA150	ALV22756	266	150	1000				NA200	ALV22784	316	200	1000				NA250	ALV22785	367	250	1000				NA315	ALV22786	417	315	1000											
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	<b>Duct Heater</b> Install in ventilation system always after the fan and/or the noise attenuator/air filter.	<b>ALV22796</b> <b>ALV22797</b> <b>ALV22759</b> <b>ALV22790</b> <b>ALV22791</b> <b>ALV22792</b> <b>ALV22779</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>AH100</td> <td>ALV22796</td> <td>100</td> <td>185</td> <td>325</td> <td>100</td> <td>40</td> <td>230</td> </tr> <tr> <td>AH125</td> <td>ALV22797</td> <td>125</td> <td>225</td> <td>325</td> <td>125</td> <td>40</td> <td>230</td> </tr> <tr> <td>AH150</td> <td>ALV22759</td> <td>150</td> <td>250</td> <td>380</td> <td>150</td> <td>40</td> <td>285</td> </tr> <tr> <td>AH200</td> <td>ALV22790</td> <td>150</td> <td>300</td> <td>380</td> <td>200</td> <td>40</td> <td>285</td> </tr> <tr> <td>AH250</td> <td>ALV22791</td> <td>150</td> <td>350</td> <td>380</td> <td>250</td> <td>40</td> <td>285</td> </tr> <tr> <td>AH315</td> <td>ALV22792</td> <td>150</td> <td>415</td> <td>380</td> <td>315</td> <td>40</td> <td>245</td> </tr> <tr> <td>H3-315</td> <td>ALV22779</td> <td>150</td> <td>415</td> <td>380</td> <td>315</td> <td>40</td> <td>240</td> </tr> </tbody> </table>							Model	Code	A	B	C	D	E	F	AH100	ALV22796	100	185	325	100	40	230	AH125	ALV22797	125	225	325	125	40	230	AH150	ALV22759	150	250	380	150	40	285	AH200	ALV22790	150	300	380	200	40	285	AH250	ALV22791	150	350	380	250	40	285	AH315	ALV22792	150	415	380	315	40	245	H3-315	ALV22779	150	415	380	315	40	240
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	<b>Filter Box</b> Install in ventilation system always after the fan and/or the noise attenuator/duct heater. Suitable to avoid impurities entering the ventilation system.	<b>ALV22793</b> <b>ALV22794</b> <b>ALV22799</b> <b>ALV22787</b> <b>ALV22788</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th colspan="1"></th> </tr> </thead> <tbody> <tr> <td>AF100</td> <td>ALV22793</td> <td>210</td> <td>170</td> <td>125</td> <td>100</td> <td>227</td> <td></td> </tr> <tr> <td>AF125</td> <td>ALV22794</td> <td>220</td> <td>205</td> <td>145</td> <td>125</td> <td>252</td> <td></td> </tr> <tr> <td>AF150</td> <td>ALV22799</td> <td>270</td> <td>235</td> <td>160</td> <td>150</td> <td>267</td> <td></td> </tr> <tr> <td>AF200</td> <td>ALV22787</td> <td>320</td> <td>275</td> <td>185</td> <td>200</td> <td>302</td> <td></td> </tr> <tr> <td>AF250</td> <td>ALV22788</td> <td>355</td> <td>320</td> <td>235</td> <td>250</td> <td>352</td> <td></td> </tr> </tbody> </table>							Model	Code	A	B	C	D	E		AF100	ALV22793	210	170	125	100	227		AF125	ALV22794	220	205	145	125	252		AF150	ALV22799	270	235	160	150	267		AF200	ALV22787	320	275	185	200	302		AF250	ALV22788	355	320	235	250	352																	
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	<b>Lineo-G Protection Grille</b> (Not suitable for Lineo Es) Mount directly on the product at outlet/inlet. Useful for safety and to protect product from external bodies. Steel, black epoxy powder coated for perfect weather protection.	<b>ALV22701</b> <b>ALV22702</b> <b>ALV22703</b> <b>ALV22704</b> <b>ALV22705</b> <b>ALV22706</b>		<table border="1"> <thead> <tr> <th>Model</th> <th>Code</th> <th>A</th> <th>B</th> <th colspan="4"></th> </tr> </thead> <tbody> <tr> <td>LINEO-G100</td> <td>ALV22701</td> <td>101</td> <td>29</td> <td colspan="4"></td> </tr> <tr> <td>LINEO-G125</td> <td>ALV22702</td> <td>127</td> <td>29</td> <td colspan="4"></td> </tr> <tr> <td>LINEO-G150</td> <td>ALV22703</td> <td>151</td> <td>35.5</td> <td colspan="4"></td> </tr> <tr> <td>LINEO-G160</td> <td>ALV22704</td> <td>161</td> <td>34</td> <td colspan="4"></td> </tr> <tr> <td>LINEO-G200</td> <td>ALV22705</td> <td>201</td> <td>42</td> <td colspan="4"></td> </tr> <tr> <td>LINEO-G250</td> <td>ALV22706</td> <td>255</td> <td>50.5</td> <td colspan="4"></td> </tr> </tbody> </table>							Model	Code	A	B					LINEO-G100	ALV22701	101	29					LINEO-G125	ALV22702	127	29					LINEO-G150	ALV22703	151	35.5					LINEO-G160	ALV22704	161	34					LINEO-G200	ALV22705	201	42					LINEO-G250	ALV22706	255	50.5												
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## FLAT-PACK DUCTING (durable, lightweight, versatile)

Model	Description	Code
	<b>Rectangular Duct</b> 220mm x 90mm x 2.6m 350mm x 75mm x 2.6m	<b>RD220902</b>
	<b>Rectangular Duct Connector</b> 220mm x 90mm	<b>DCON22090</b>
	<b>Rectangular to Round Fitting</b> 220mm x 90mm	<b>RDRR22090-150</b> <b>RDRR22090-200</b>
	<b>Rectangular Duct Horizontal – 45°</b> 45° bend 220mm x 90mm	<b>RDH45B22090</b>
	<b>Rectangular Duct Horizontal – 90°</b> 90° bend 220mm x 90mm	<b>RDH90B22090</b>
	<b>Duct Clip</b> 220mm x 90mm	<b>DCLIP22090</b>



## Car Park and Commercial Ventilation

### Car Park Ventilation - Jet Fan Range

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## AXIAL and CENTRIFUGAL JET FANS

## Car Park Jet Fans

IVAD / IVRD / IDV / IVR / EC RANGES



## Why ventilate with jet fans?

Jet fan ventilation (also known as impulsion or induction ventilation) uses non-ducted axial or radial fans to move vast amounts of air at low speed through generated air streams, supplying fresh air from outside whilst extracting pollutants from the inside. Jet fans are placed near the car park's ceiling similar to ventilation systems in road tunnels.

Jet fan ventilation technology is now the standard in car park ventilation in many countries across the world. Its' concept is based on air streams generated by any number of virtually silent, free-blowing axial or radial fans efficiently moving air from the supply to the exhaust points on each car park level.

The jet fan ventilation system is regulated by sensors that monitor the CO levels on specific car park levels. These sensors can activate the appropriate number of fans needed to meet specific ventilation requirements and choose the relevant speed of the fans to maintain reduced sound emissions.



## Our simple 3 step process.

### 1. Planning Concepts

Design considerations by assessing car park specifications, ventilation requirements and jet fan dynamics.

### 2. Computational Fluid Dynamics

Actually see how your car park ventilation will perform before installation has even begun.

### 3. Engineering

Designing the system layout for the welfare and well-being of all users, maintenance workers and emergency services.

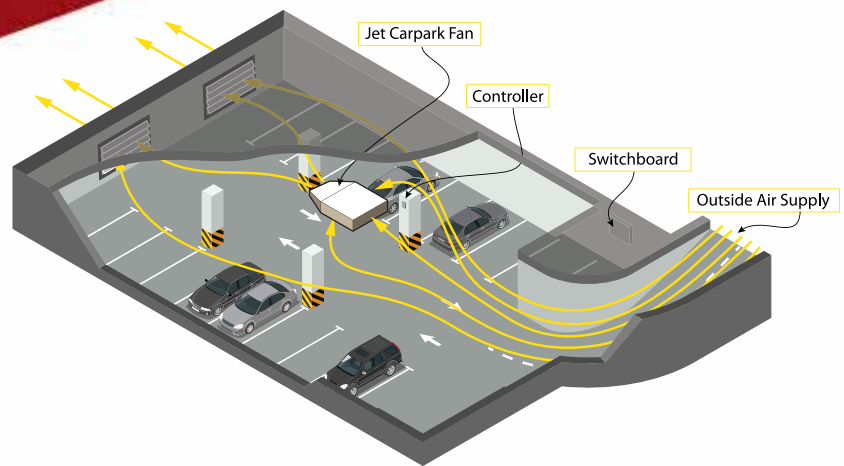


# Planning Concepts

## Design considerations



Whether small or large, Jet Fan ventilation systems can be tailored to your car park needs.



### Reduced consumptions means low operating costs

To keep car park pollutant measures continually monitored and regulated through mechanical ventilation systems leads to high management costs. The consequences of ducted ventilation systems that require high air speed are load losses in the ducts and high energy consumption.

A jet fan ventilation system utilises the car park architecture to help the transfer of polluted air to the outside. This is why jet fans can be operated at lower speeds, ensuring significant energy savings.

### Construction cost savings and efficient use of the car park space

Induction jet fan ventilation systems do not require bulky ventilation ducts that reduce available indoor space. Nor do they need the installation of oversized fans to control pressure losses.

Induction jet fans feature reduced height making them ideal for low-ceiling car parks where maximising space is essential to the users, maintenance workers and emergency services. Whether installed in a low- or high-ceiling car park, their reduced height allows extensive views for surveillance video cameras, increasing security and user safety.

Jet fan ventilation systems allow for a virtual partition of the car park through 'fire zones'. The fire zones confine smoke in certain areas without spread. Therefore, firewalls are no longer required leaving increased availability of vehicle parking spaces.

### High air quality inside the car park

Jet Fans must be correctly positioned within a car park to ensure a sufficient air exchange rate and maintain low CO levels.

Air flows generated near the car park ceiling promote the car park air circulation, preventing the stagnation of polluted air, without affecting user thoroughfare with undesirable air movement.

### Mechanically ventilated car parks minimum requirements for daily ventilation:

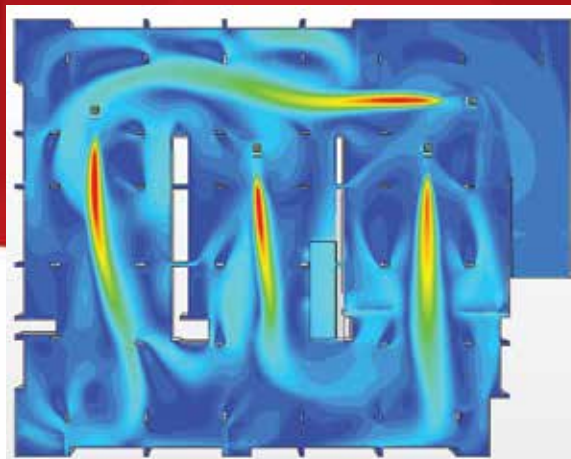
The maximum permissible carbon monoxide level is 50ppm averaged over eight hours, with levels not exceeding 100ppm for 30 minutes.

# CFD Analysis

## Computational Fluid Dynamics

# 2

With CFD modelling you can easily adjust the position of your Jet Fans to best suit maximum ventilation before they are even installed.



### Computational Fluid Dynamics (CFD)

Computational Fluid Dynamics (CFD) analysis is a valuable tool to efficiently design and plan a ventilation system for your car park. It precisely predicts air flows by dividing the car park space into thousands of different cells (mesh) using specific mathematical models generated with real field experience. With a CFD analysis, you can visually ascertain air flows and smoke trails to predict their dispersal to various areas and fire ignition points, and investigate the influence jet fans may have if differently positioned.

In this way the designer can optimise the layout and number of jet fans required, and avoid unproductive and expensive oversizing. Once the system is installed, it is a good practice to carry

out a test to check the efficiency of the system to limit smoke in the fire ignition area and transfer it from the car park without obstructing emergency exits.

ALLVENT provides both the CFD modelling to demonstrate the ventilation system is adequate and effective, and a full technical report to obtain council or local authority approval prior to installation.

### The Final Report Includes:

- A description of the car park and the ventilation system;
- The design criteria and targets of the analysis;
- The details of the CFD model setting; and
- The final results of the analysis.

## Engineering

### Design and system layout

Find the perfect layout for your Jet Fan ventilation system, engineered with precision.



#### Design Criteria

An efficient jet fan ventilation system depends on precise design and planning. It must include the car park layout, main characteristics, type (underground or aboveground), overall surface, height, number of access ramps and their layout within the car park space, position of openings and extraction intakes.

Jet Fan ventilation systems consist of:

- Jet Fans - installed on the car parks ceiling;
- Main Fans - placed on the supply and extraction points;
- Switches - on/off;
- Sensors - CO, smoke and heat; and
- Fan Control Unit - managing the operation of Jet Fans, main fans and dampers based on the sensors' readouts. It also ensures correct ventilation in the car park and dilution of CO concentrations.

#### Jet Fans

Induction jet fans feature an overall shorter height and a higher thrust, which make them particularly suitable for low-height car parks. Also, their laminar flow prevents unwanted turbulence.

#### Main Fans

To elevate the appropriate ventilation in a car park, the quick extraction of smoke (in case of fire), and the supply of fresh air near the emergency exits, jet fans must be combined with axial fans installed near the ventilation intakes/risers. Metal (die-cast aluminum) blades are used.

#### Sensors and Switches

The accurate operation of a jet fan ventilation system includes the automatic control of the installed fans. Sensors activate the fans at the appropriate speed and time to limit CO concentrations. In case of fire, the fans can also be managed by a series of smoke and/or heat sensors. The system must also include a series of on/off switches, the operation of which is controlled by the fire brigade.

Thrust	Ideal distance between two Jet Fans side-by-side	Ideal distance between two Jet Fans in series
30 N	8–10 m	15–20 m
50 N	15 m	35–40 m
80 N	15 m	55–60 m
100 N	15–17 m	70–80 m

Larger plumes

Low cost

Low noise

## TWIN NOZZLE CENTRIFUGAL JET FANS

# IDV-HC Series

CARPARK VENTILATION FANS

Double-width plume gives double effective area. Install half the number of units compared to standard models.

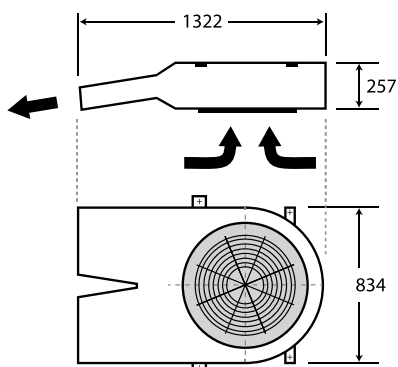


### Technical Data

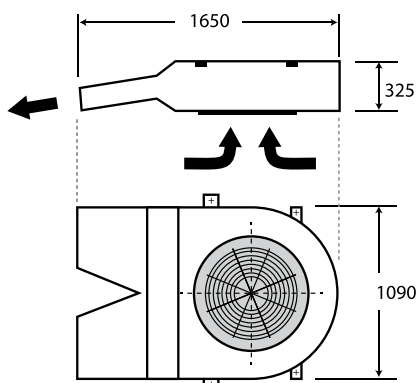
Model	Code	Air Flow Speed	Max. Air Flow Volume	RPM	Sound Pressure Level	Nominal Motor Power	Current		Nominal Weight ca.
		m/s	V m <sup>3</sup> /h	min <sup>-1</sup>	dB(A)	kW	Full Load Amps	Initial Amps	kg
IDV-HC Sv2	ALV1100	22	6840	1420	51	1.3	3.0	1.15	82
IDV-HC Lv2	ALV1101	28	11,160	1425	53	2.2	5.0	2.0	120

### Dimensions

#### Sv2



#### Lv2



### Features

- Wider, longer plumes
- Less fans required
- Reduced installation costs
- Cheaper running costs
- Low noise

The dual purpose IDV-HC-v2 series garage ventilation fans are designed to direct air through the car park.

The suction of the fan is through the fan guard and inlet cone on the bottom of the fan. The discharge is through the outlets at the front of the fan.

The ventilator unit is directly driven by a standard electric motor integrally mounted in the air stream, the impeller has backward curved blades and is directly mounted on the shaft of the integral motor.

The motor employed is of the type IP55. Insulation Class H. The connection voltage for the motor is 400v/3ph/50Hz. The ventilation unit must be correctly grounded at all times.

Quiet

Maximum thrust

8900 m<sup>3</sup>/h

## CENTRIFUGAL JET FANS

## IVRD Series

CARPARK VENTILATION AND EXTRACTOR FANS

Quiet and universal in application – setting the standard in thrust and weight. Suitable for ventilation of car parks with ambient temperature from up to 40°C.

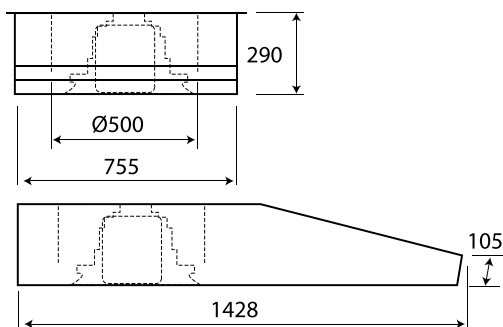


## Technical Data

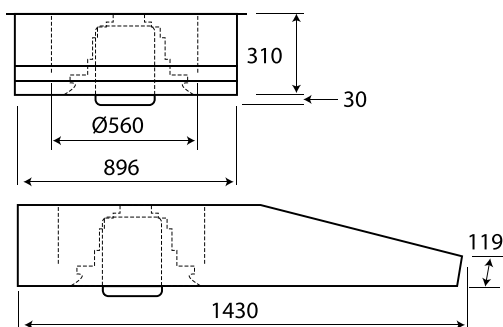
Model	Code	Thrust N	Air Flow Speed m/s	Max. Air Flow Volume V m <sup>3</sup> /h	RPM min <sup>-1</sup>	Sound Pressure Level dBA	Nominal Motor Power kW	Current		Wiring Diagram Number	Nominal Weight ca. kg	Anti Vibration Mounts (4 pcs)	
								Full Load Amps	Initial Amps			Type	Ref No
500/4 43N	ALV1104	43	21.3	6100	1440	55	1.5	3.3	20.5	498	63	SDZ 2	1455
560/4 75N	ALV1105	75	25.2	8900	1420	58	2.20	4.6	34	498	72	SDZ 2	1455

## Dimensions

43N



75N



## Features

- Low noise emission
- Maximum thrust
- Easy and fast to install due to lightweight, aluminium construction
- Direct driven, centrifugal

Compact

Energy efficient

Very quiet



INDUCONTROL JET FANS

EC Jet Series

CAR PARK VENTILATION FANS

With minimised casing height in combination with specially designed outlet nozzles the EC jet fan can be positioned at the ideal location and not interfere with traffic circulation.

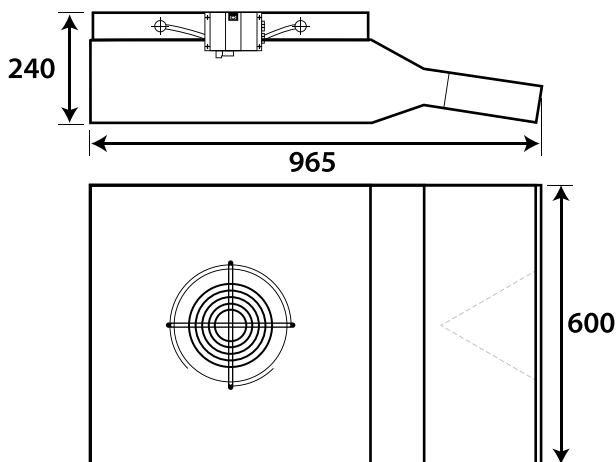


Technical Data

Model	Code	Thrust N	Max. Air Flow Volume V m <sup>3</sup> /h	RPM min <sup>-1</sup>	Sound Pressure Level dBA	Nominal Motor Power kW	Current	Nominal Weight ca. kg
							Full Load Amps	
HC-EC	ALV750	20	3400	780	58	.55	2.2	12

Effective plume length 33m

Dimensions



Features

- Isolator (safety switch)
- Frequency controlled
- A reduction in the number of thrust fans required (by up to 65%) due to improved system performance
- Lower energy consumption
- Fewer cables, including ancillaries
- Lower installation costs
- Lower maintenance costs

This new and unique generation of fans has been developed to provide many technical and financial benefits and advantages, using the unique patented outlet venturi and the ultra-flat centrifugal impeller, resulting in a very low installation height of 240mm. The HC PS induction fan can induce up to 19 times the air actually passing through the fan.

Slimline

Maximum thrust

Easy installation

AXIAL JET FANS

# IVAD Series

CARPARK VENTILATION AND EXTRACTOR FANS



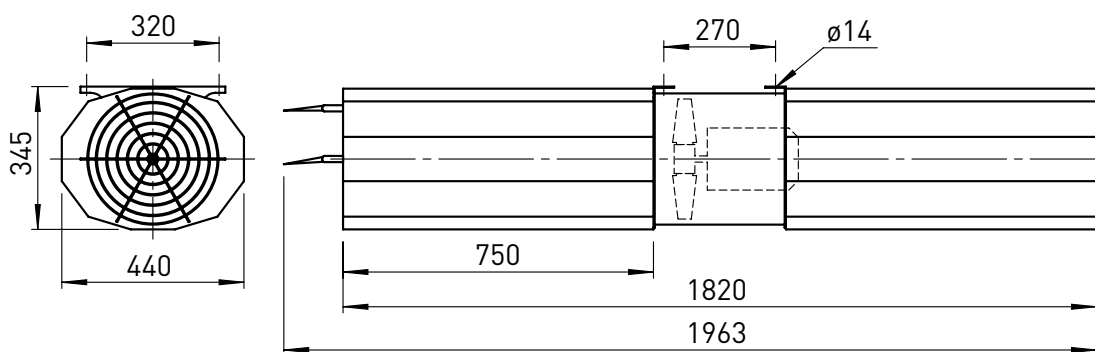
Slimline, compact, lightweight and powerful. Perfect even in limited spaces. Suitable for ventilation of car parks with ambient temperature from up to 40°C.



## Technical Data

Model	Code	Thrust	Air Flow Speed	Max. Air Flow Volume	RPM	Sound Pressure Level	Nominal Motor Power	Current		Wiring Diagram	Nominal Weight ca.	Anti Vibration Mounts (4 pcs)	
								Full Load	Initial			Type	Ref No
		N	m/s	V m <sup>3</sup> /h	min <sup>-1</sup>	dBa	kW	Amps	Amps	Number	kg		
315/2 25N	ALV1103	25	15.9	4600	2840	58	1.10	2.4	16.6	498	37	SDZ 1	1454

## Dimensions



## Features

- Low noise emission
- Maximum thrust
- Easy and fast to install due to lightweight, aluminium construction.
- Direct driven, axial
- Optionally fully reversible (Model IVA..R.)

IP54

High performance

High efficiency

INDUCONTROL JET FANS

IVR-EC Jet Series

CAR PARK VENTILATION FANS

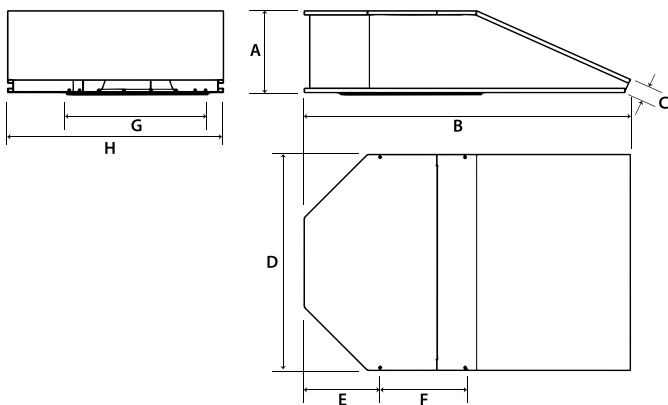


High quality, high-performance jet fans with optimal dimensions for the smallest space requirements. Latest EC technology for economical ventilation solutions in parking garages and commercial applications.

Technical Data

Model	Code	Power	Thrust	Air Flow Speed	Max. Air Flow Volume	RPM	Sound Pressure @ 3m	Nominal Motor Power	Current	Wiring Diagram	Nominal Weight ca.	Anti Vibration Mounts (4 pcs)	
		V	N	m/s	V m <sup>3</sup> /h	min <sup>-1</sup>	dBA	kW	Full Load	Amps	Number	kg	Type
IVR EC 400	ALV09802	230	50	33.0	4700	1950	64	1.25	6.4	1300	28	SDZ 1	01454
IVR EC 450	ALV09803	400	75	36.0	6300	1800	68	1.80	2.9	1299	33	SDZ 1	01454

Dimensions



	A	B	C	D	E	F	ØG	H
IVR EC 400	334	1264	50	814	311	300	400	840
IVR EC 450	366	1418	56	916	330	370	450	939

Features

- Low sound emission levels
- Highly efficient motor with EC technology
- Variably controllable via 0 – 10 Volt signal
- Maximum thrust power
- Aluminium casing in lightweight design for peak efficiency.
- Aerodynamic inlet nozzle
- Simple and easy to install due to low weight
- Centrifugal impeller driven directly by EC external rotor motor
- Single phase and three phase versions
- Supply and extract ventilation with air flow temperatures up to 40 °C
- High-performance centrifugal impeller with backward curved blades
- Protection class IP54



IMPROVE YOUR AIR QUALITY

## Jet Fan Accessories

CAR PARK VENTILATION



Quality products to make your car park safe and easy to monitor.

### Firecat 12V

#### Non-latching Smoke Detector

The Firecat is a low current, industrial standard sensor which can operate either as an optical, opto/heat combined, rate of rise heat or fixed 77" heat sensor via selection switches.

The detector is equipped with a set of volt-free contacts. It can be configured to auto-reset from the alarm setting, has a dual LED indicator to indicate the alarm setting, and be configured to give a short flash in the normal setting.

The Firecat smoke detector system can be integrated and fitted to ALL jet fan models.



### Universal Controller

#### TC5044

The TC5044 is a programmable controller that has pre-programmed blocks for CO. The controller is housed in a 4 DIN module, 70 x 88 x 62mm enclosure and comes with its own DIN rail mount or can be mounted on a standard 35mm DIN mounting rail. The TC5044 controller has a 2 x 16 character LCD display with white backlighting, 4 blue relay status LED's and 3 push button's for INCREASE, DECREASE, and SELECT.



### CO Smart Sensor

#### CO3800

The CO3800 Carbon Monoxide smart sensor is a slim, wall-mounted sensor with a tiny fan that draws air in from the bottom of the polycarbonate housing through a dust filter, over the sensor and discharges through the top to ensure a positive response to CO emissions while the sensor is well protected inside the housing.

The CO3800 sensor operates on a two-wire, non-polarised connection to the TC5044 controller.



### Plug and Play Cabling System

#### CN-70 Series keyed, screw-locking, multi-poled connectors

Miniature power (115Vac) connector with 5A current rating. Enhanced stability and security via threaded locking collar plug. Construction incorporates a cord clamp to avoid stress on the contact connections.

The plug and play cabling system can be used on all installations: Pre-wired Control Cabinet, CO Sensors, and Smoke Detector kits are available.



See our quality range of exhaust/supply fans at [www.allvent.com.au](http://www.allvent.com.au)



HIGH EFFICIENCY

# Air Handling Units

COMMERCIAL AND PROFESSIONAL

Centralised solutions for comfort conditions in large buildings.

## CTL HYGIENIC TYPE

Sanitary air handling unit sanitizable for hospital and pharmaceutical industry.



## AIR CLEAN

Vertical configuration, designed for easy washing inside with full access to internal components.



## STEEL CLEAN

Designed specifically for the food industry or for any application requiring the unit to be washed at the end of each day's production cycle.



## HRL

High efficiency energy recovery units are designed for systems operating with 100% outside air. Suitable for schools, offices, banks, swimming pools etc.



## CTL

Air handling units special execution for higher air volumes.

## MECHANICAL VENTILATION WITH HEAT RECOVERY

# Heat Recovery

VENTILATION UNIT

Highly efficient ventilation units with heat recovery for residential and commercial applications.



## HR-E

Offers continuous ventilation of the home, specifically designed for installation into false ceilings. Ideal for apartments.



## HR350 AVEL EXPORT

Wall mounting residential heat recovery. Suitable for houses or apartments. See page 31 of this catalogue for more information



## VORT NRG

Cross flow heat recovery for horizontal installation. Suitable for bars, pubs, restaurants, canteens, offices, meeting rooms, shops etc.



## VORT HRW 20 MONO

Decentralised ventilation system with heat recovery, suitable for recessed installation in outside walls. Quiet, efficient, energy saving and antiallergic, easy to install and maintain.



HIGH VOLUME AIR

# HVLS Super Blade Series

AERODYNAMIC BLADES

A new range of high volume, low speed ceiling fans, equipped with EC motors, granting very high performance, low consumption and low noise emissions. Most effective for tall ambients such as ie: warehouses, fitness centres, stables, airports etc.



## Technical Data

Model	Code	Ømm	V	W	Hz	A	m³/h	Kg
HVLS300/120"	ALV61080	3000	415	600	50	1.43	45,000	80.5
HVLS400/160"	ALV61081	4000	415	650	50	1.67	180,000	88
HVLS500/200"	ALV61082	5000	415	830	50	1.97	280,000	104
HVLS600/240"	ALV61083	6000	415	840	50	2.02	402,000	111.5
HVLS700/280"	ALV61084	7000	415	900	50	2.12	550,000	119.5

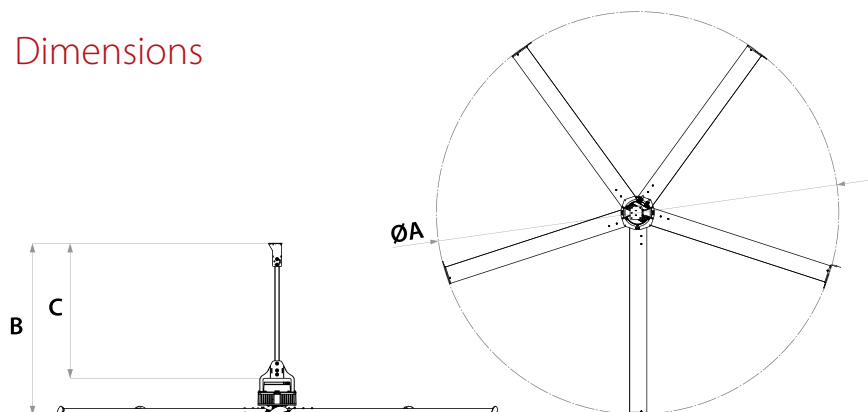
## Features

- 5 x aerodynamic blades made from extruded aluminium
- Ultra high airflows (up to 550,000 m³/h) at very low speed
- Three phase EC brushless motors
- Wide range of operating temperatures ( -10°C/+50°C)
- Bracket and rod supplied with product
- Suitable for large areas where there is a need to move large volumes of air
- VORT T control unit (optional) can control up to 10 fans

## Applications

Nordik HVLS Super Blade at their most effective grant highly effective operation even when installed in tall ambients. Width of the ventilated area corresponds to approximately 3 times the nominal diameter of the fan. Especially suitable for installation in industrial sheds, large stores, cattlesheds/stables, airports, where there is a need to move large volumes of air. Wide range of operating temperatures (-10°/+50° C) allows proper operation in many alternative applications.

## Dimensions



	ØA mm	ØB mm	C mm
HVLS300/120"	3000	1400	1000
HVLS400/160"	4000	1400	1000
HVLS500/200"	5000	1880	1500
HVLS600/240"	6000	1880	1500
HVLS700/280"	7000	1880	1500



## NORDIK HVLS SUPER BLADE RANGE

Industrial ceiling fans



**AERODYNAMIC BLADES**  
Made of extruded aluminium aerodynamically optimised (airfoil section) and fashioned with winglets designed to reduce the drag.

### INSTALLATION

Bracket and rod supplied with the product.



**EC MOTORS**  
Three phase (EC brushless motors), integrated overheating protection, very high protection (IP65) against dust and water.



**PERFORMANCES**  
Ultra high airflows (550m<sup>3</sup>/h) at very low speed to grant quiet operations

### CONTROLS

Fully adjustable (0-10V signal) motor through potentiometer or VORT-T control unit, RS 485 port integrated in the motor driver for remote control through BMS System (RTU Modbus protocol).

### VORT T CONTROL UNIT

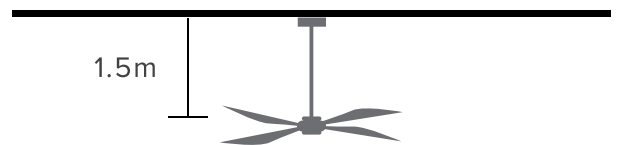
Provides automatic control of up to 10 fans, according to temperature and wind strength



DESIGNED FOR INSTALLATION AT A DISTANCE FROM THE SELECTED CEILING NO LESS THAN:



For models 300/120" and 400/160"



For models 500/200", 600/240" and 700/280"



INLINE DUCT MOUNTED

**ILSC Series**

HIGH PERFORMANCE

Particularly suitable for medium to higher air flow volumes against high resistances in exhaust air systems of process technology or commercial kitchens.



The ILSC series is a range of inline duct mounted fans for use in general ventilation systems. All models are built around high performance centrifugal impellers driven by totally enclosed fan cooled (TEFC) or external rotor motors (ERM). Note that single phase ILSC series fans are only available in ERM models.

**Construction**

Cases are fabricated from galvanised sheet steel with standard duct flanges for easy installation. Impellers are high efficiency backward curve centrifugal type. The impeller and motor assembly is supported by a robust galvanised steel frame for long, trouble free service.

**Motors**

Motors are of TEFC or ERM design. Motor enclosure feature minimum IP54 protection as standard with higher ratings are available on request. Motor windings incorporate class 'F' insulation as standard although class 'H' is readily available. Motor bearings are sealed for life and maintenance.

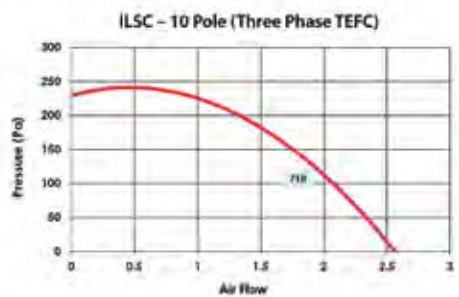
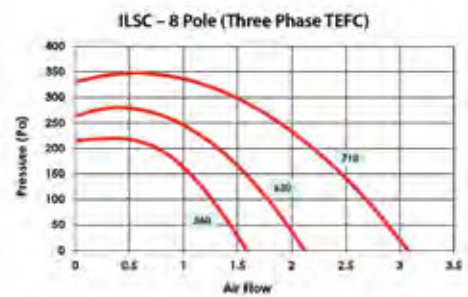
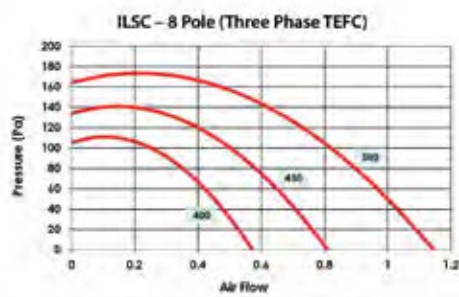
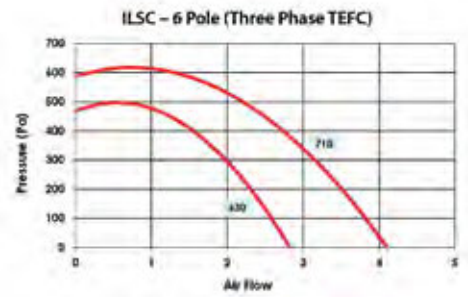
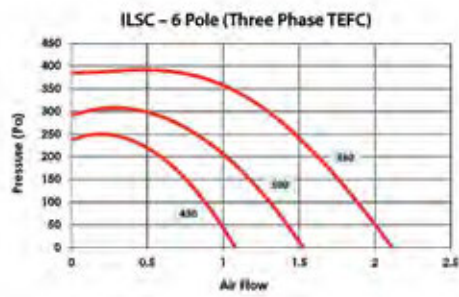
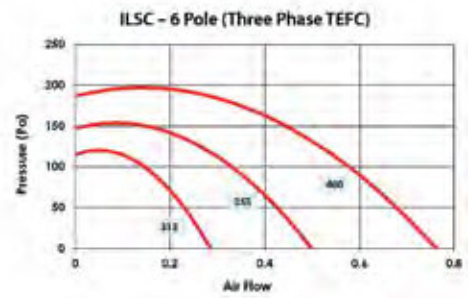
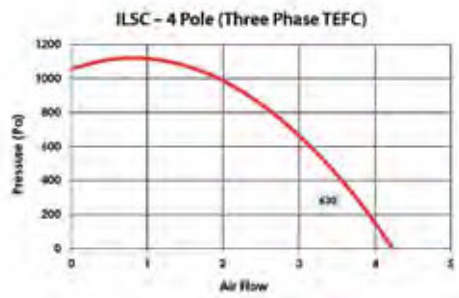
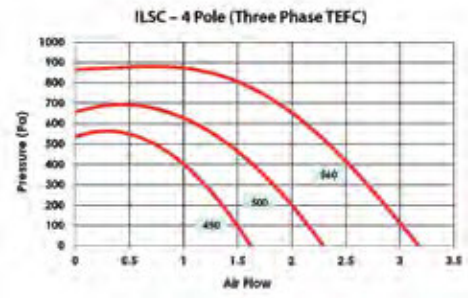
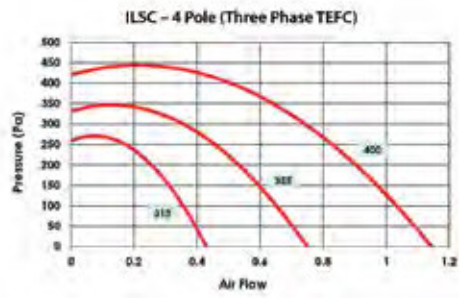
**Features**

- High reliability TEFC or ERM motors with sealed for life bearings
- Class 'H' available across all sizes
- EXE, EXD, motors available across the range
- High performance backward curve centrifugal impellers
- Perfectly suited to medium/high volume and pressure applications
- Fully speed controllable
- Fans can be mounted at any angle

Model	Code
ILSC250/4	ALV850
ILSC315/4	ALV851
ILSC355/4	ALV852
ILSC355/4/4	ALV854
ILSC400/4	ALV853
ILSC400/4/4	ALV855
ILSC500/4	ALV857
ILSC500/4/4	ALV856
ILSC500/6	ALV858

Optional EC motor available in ILSC models

## ILSC Performance Curves



MEDIUM-PRESSURE LONG CASED AXIAL FANS

MPC-E Series

SUPPLY AND EXTRACT



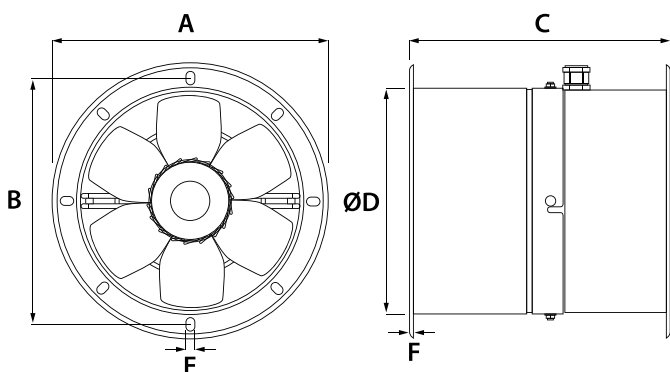
The MPC-E Series is an extensive range delivering capabilities for general ventilation applications.



Technical Data

Model	Code	mm	A	W	Hz	Phase	V	l/s	m <sup>3</sup> /h	Pa	RPM	dB(A) @ 3m	kg	IP
MPC-E 254 T	42359	250	0.21	60	50	3	400	336	1210	80	1460	25.3	8.2	X4
MPC-E 254 M	42263	250	0.32	70	50	1	230	328	1180	82	1460	25.3	8.2	X4
MPC-E 302 T	42309	300	1.00	360	50	3	400	805	2900	588	2940	58.7	12.3	X4
MPC-E 302 M	42209	300	1.80	375	50	1	230	792	2850	588	2940	59.4	12.3	X4
MPC-E 304 T	42310	300	0.24	107	50	3	400	625	2250	102	1400	34.8	10.2	X4
MPC-E 304 M	42210	300	0.50	110	50	1	230	600	2160	99	1390	34.8	10.2	X4
MPC-E 354 T	42317	350	0.30	155	50	3	400	986	3550	156	1425	46.2	13.4	X4
MPC-E 354 M	42217	350	0.70	152	50	1	230	875	3150	169	1450	36.8	13.4	X4
MPC-E 404 T	42328	400	0.40	225	50	3	400	1305	4700	162	1365	46.9	14.0	X4
MPC-E 404 M	42228	400	1.30	272	50	1	230	1333	4800	183	1440	48.1	14.0	X4

Dimensions



Features

- Two rolled steel flange sections, welded, phosphated and polyester powder coated in practical grey colour with hammered effect finish, guaranteeing long-term resistance to atmospheric agents
- One speed, three-phase AC motor with shaft turning in double shielded ball bearings, insulation class F
- Impeller with 6 wing profile blades, dynamically balanced (UNI ISO 1940 – Balancing class 6.3), optimised to deliver maximum performance and low noise levels
- Moulded from filled polypropylene for superior dimensional stability and resistance to atmospheric agents, and keyed to a diecast aluminium hub
- Vortice speed controller

	A	B	C	D	E	F
MPC-E 254 T	319	292	300	264	9	4
MPC-E 302 T	393	366	330	316	9	4
MPC-E 304 T	393	366	330	316	9	4
MPC-E 354 T	432	405	330	368	9	4
MPC-E 404 T	475	448	330	418	9	4



## CENTRIFUGAL FANS

## KEF Series

## VERTICAL DISCHARGE KITCHEN EXHAUST



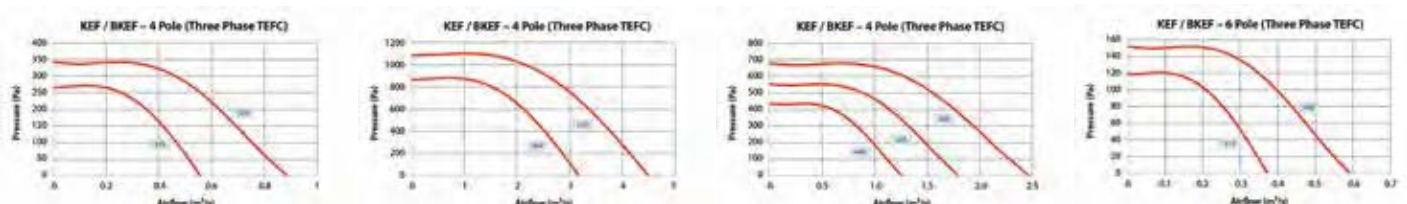
This series is a range of high performance all metal fans for use in kitchen exhaust and general ventilation applications. Motors are mounted out of the air stream and wind bands are secured with clip fasteners to allow easy access for servicing and cleaning.

## Technical Data

Model	Code	Full Load Current	kW	dBA @ 3m
KEF315-4EE	ALV820	0.50	0.12	45
KEF315-6EE	ALV821	0.50	0.06	38
KEF355-4EE	ALV822	1.12	0.25	45
KEF355-6EE	ALV823	0.45	0.10	39
KEF400-4EE	ALV824	2.40	0.48	49
KEF400-6EE	ALV825	0.68	0.16	41
KEF400-8DD	ALV826	1.1	0.37	38
KEF450-4EE	ALV827	3.0	0.68	51
KEF450-6EE	ALV828	1.42	0.30	43
KEF450-8DD	ALV829	1.2	0.37	40
KEF500-4DD	ALV830	2.4	1.1	60
KEF500-6DD	ALV831	1	0.37	50
KEF500-8DD	ALV832	1.1	0.37	43
KEF560-4DD	ALV833	4.4	2.2	65
KEF560-6DD	ALV834	1.7	0.55	54
KEF560-8DD	ALV835	1.1	0.37	44
KEF630-4DD	ALV836	7.7	4	69
KEF630-6DD	ALV837	2.6	1.1	57
KEF630-8DD	ALV838	1.7	0.55	49
KEF710-6DD	ALV839	4.8	2.2	61
KEF710-8DD	ALV840	2.1	0.75	47

Sizes up to 560mm $\varnothing$  available in single-phase power.  
Most sizes available in three-phase power.

## Performance Curves

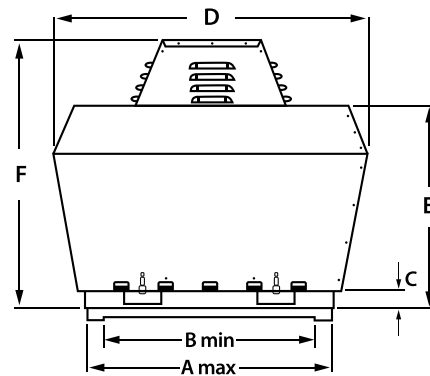


## Construction and Dimensions

Fabricated from powder coated galvanised steel in compliance with AS/NZS1668.1:1998 for kitchen exhaust systems.

Single-phase power motors drive high performance, backward curve, centrifugal impellers – fully speed controllable. Three-phase power use TEFC motors and are VSD compatible.

Class F motors are rated to 80°C ambient air temperature. Class H motors are rated to 120°C ambient air temperature. Available in optional Colourbond™ colours.



	A	B	C	D	E	F
KEF315	410	310	50	600	355	545
KEF355/400	500	400	50	690	450	600
KEF450/500/560	720	620	60	915	585	755
KEF630/710	810	710	60	1135	655	865

CENTRIFUGAL FANS

VRC / DRC Series

ROOF MOUNTED VENTILATORS



This series is available in single-phase and three-phase power. Single-phase power use external rotor motors with speed control. Three-phase power require step speed controller with external rotor motors.

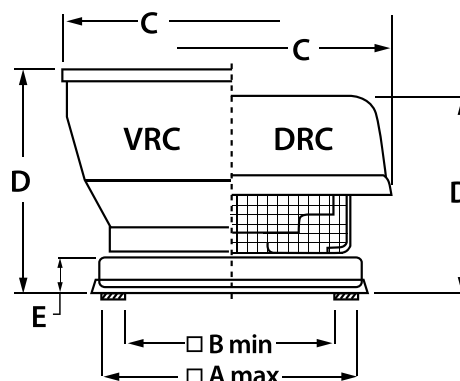
Technical Data

Model		Code	Power			Speed	Sound
Vertical Discharge	Horizontal Discharge		Motor kW	FLA	Phase	RPM	dBA @ 3m
VRC190-2E		ALV841	0.052	0.23	1	2350	40
	DRC190-2E	ALV842	0.052	0.23	1	2560	37
VRC220-2E		ALV843	0.085	0.38	1	2600	51
	DRC220-2E	ALV844	0.085	0.38	1	2600	51
VRC220-4E		ALV845	0.05	0.25	1	1380	36
	DRC220-4E	ALV846	0.05	0.25	1	1380	36
VRC280-4E		ALV847	0.078	0.35	1	1420	43
	DRC280-4E	ALV864	0.078	0.35	1	1420	43
VRC280-6E		ALV848	0.038	0.35	1	960	35
	DRC280-6E	ALV865	0.038	0.35	1	960	35
VRC315-4E		ALV849	0.115	0.5	1	1430	45
	DRC315-4E	ALV867	0.115	0.5	1	1430	45
VRC315-6E		ALV880	0.06	0.5	1	960	39
	DRC315-6E	ALV866	0.06	0.5	1	960	38
VRC355-4E		ALV881	0.245	1.12	1	1420	45
	DRC355-4E	ALV868	0.125	0.35	1	1420	45
VRC355-6E		ALV882	0.07	0.31	1	870	39
	DRC355-6E	ALV869	0.085	0.15	1	1250	39
VRC400-4E		ALV883	0.48	2.4	1	1370	49
	RCD400-4E	ALV870	0.48	2.4	1	1379	49

Also available in 3 phase

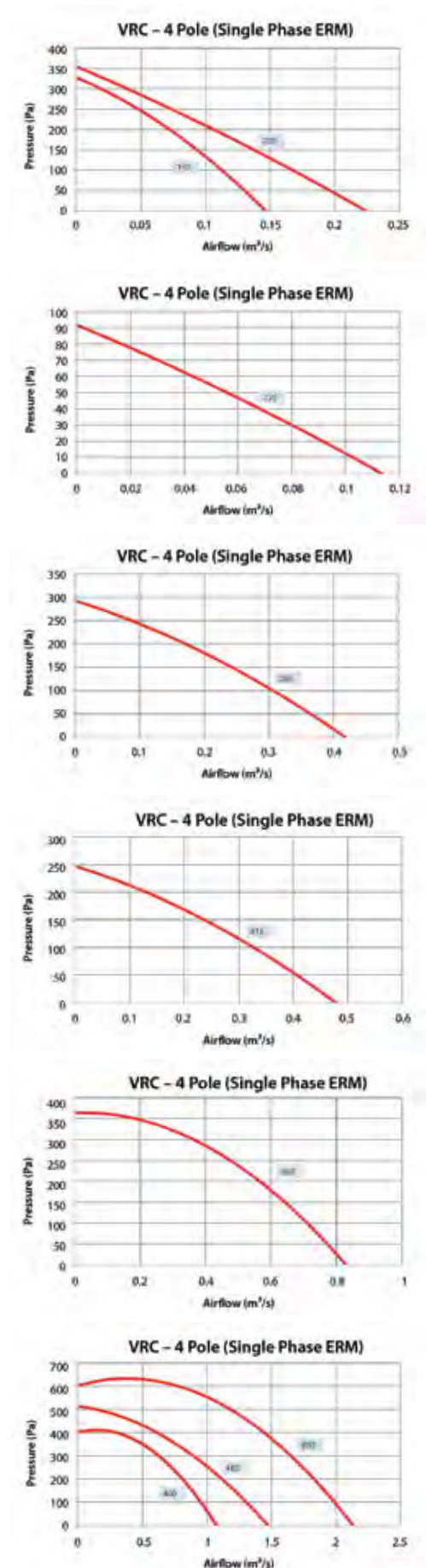
Construction and Dimensions

Components are made from UV stabilised polymer, corrosion protected steel and fibreglass. All models are fitted with bird mesh as standard. Available in optional Colourbond™ colours.

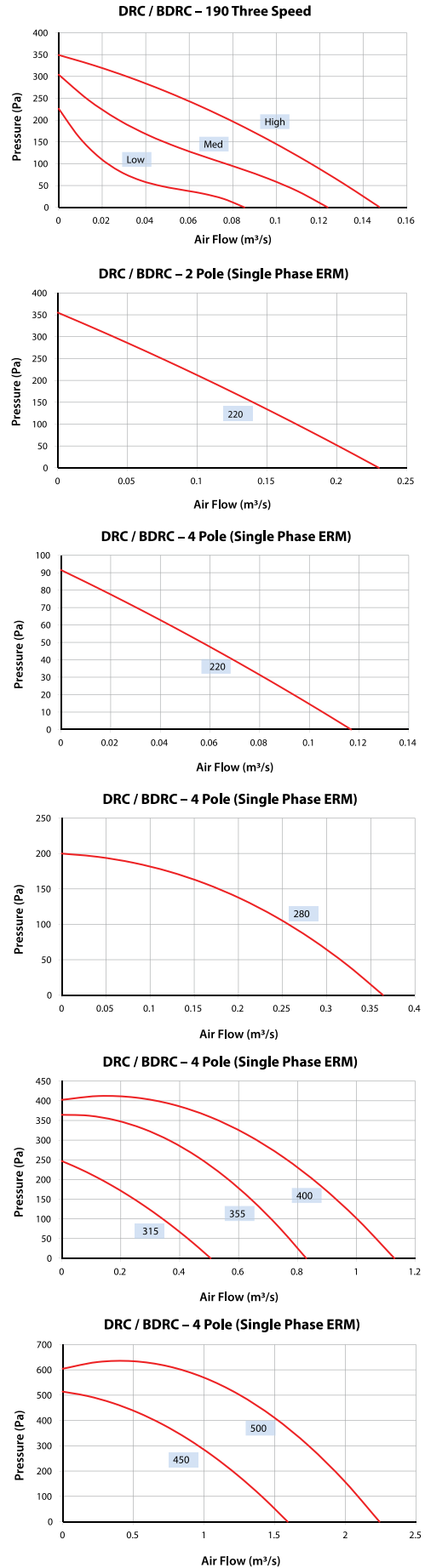


VRC	A	B	C	D	E	Kg
190/220	265	215	400	250	70	7/8
280/315	395	345	500	300	50	10/12
355	500	400	630	396	70	12
400	500	400	630	410	70	15
DRC						
190	380	325	400	260	60	4
220	295	245	350	120	50	4
280	345	345	507	215	50	5
315	345	345	505	239	50	6
355	500	400	730	410	70	12
400	500	400	730	427	70	16

## VRC Performance Curves



## DRC Performance Curves



ROOF MOUNTED FANS

RCF Series

EXTRACT OR SUPPLY

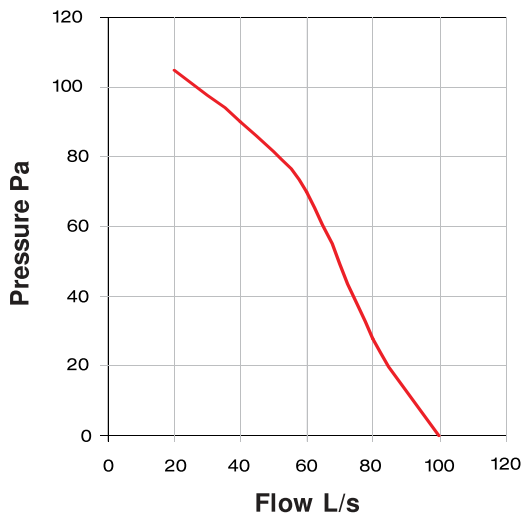
Low profile roof exhaust/supply fan for domestic and light commercial applications.



Technical Data

Model	Code	Air	Size	l/s	Dia Ø	V	Hz	W	Phase Ø	RPM	L/sec	m³/hr	dBA
RCF-AE150	ALV701	Exhaust	150	80	150	240	50	35	1	2880	91	328	41
RCF-AS150	ALV702	Supply	150	80	150	240	50	35	1	2880	91	328	41

Performance Curve



Features

- 150mm diameter x 400mm long metal tube
- Low profile roof fan available as supply OR exhaust
- Fan incorporated in the cowl
- Aluminium cowl construction
- Pleasing aesthetics
- High quality for longevity of operation
- Electrical connection can be made inside or outside roof space (interior function box included)
- Low noise within premises
- Comes standard with metal roof Dektite
- Optional aluminium Dektite available for tile roof application (extra cost)

## ROOF MOUNTED COWL KITS

## RCK Series

EXTRACT OR SUPPLY

Domestic and light commercial, general purpose cowls used for relief air. Supplied with a 600mm tube.



## Technical Data

Model	Code	Size	Description
ALVRCK100M	ALV704	100mm	Metal
ALVRCK100T	ALV705	100mm	Tile
ALVRCK125M	ALV706	125mm	Metal
ALVRCK125T	ALV707	125mm	Tile
ALVRCK150M	ALV708	150mm	Metal
ALVRCK150T	ALV709	150mm	Tile
ALVRCK200M	ALV710	200mm	Metal
ALVRCK200T	ALV711	200mm	Tile
ALVRCK250M	ALV712	250mm	Metal
ALVRCK250T	ALV713	250mm	Tile
ALVRCK300M	ALV714	300mm	Metal
ALVRCK300T	ALV715	300mm	Tile

M = metal roof dektite

T = tile roof dektite

## Features

- Aluminium cowl construction
- High quality for longevity of operation
- For metal-based or tiled roofs

## Accessories

- 1 Aluminium Cowl
- 2 Aluminium Dektite for tile roof
- 3 Rubber Dektite for metal roof





HIGH VELOCITY AIR

# Air Curtain

REDUCE ENERGY COSTS

Air Curtains create an invisible barrier separating zones of different temperatures while preventing pollutants (dust, odours, smoke etc) and insects entering your work environment.



## Technical Data

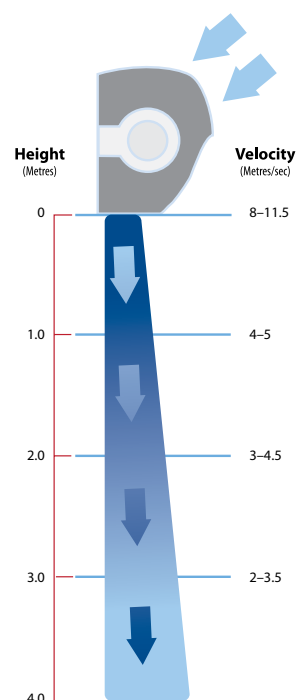
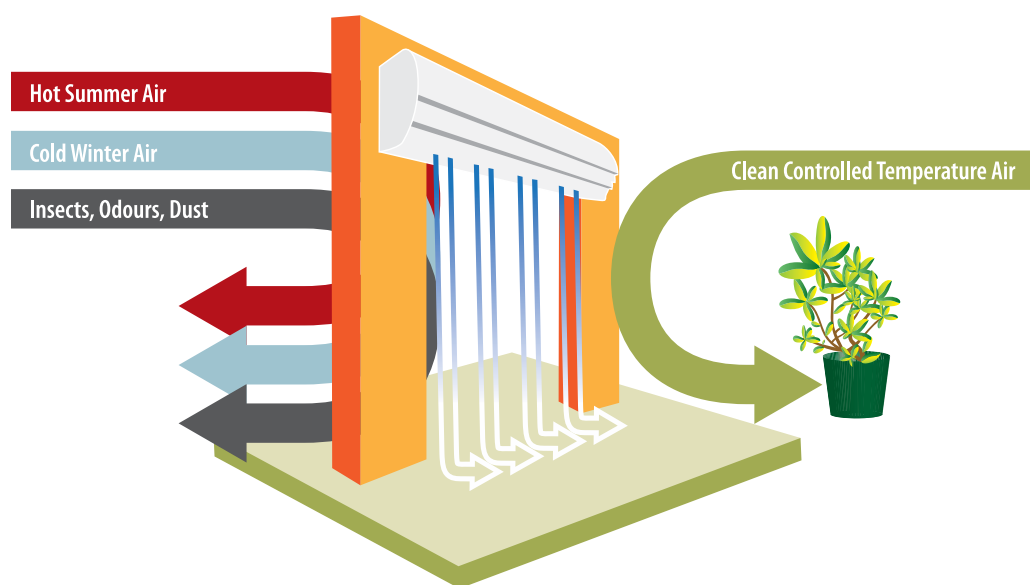
Model	Code	Weight kg	V	Hz	Watts		Air Flow (m³/h)		dBA @ 2m		Dimensions W x H x D (mm)
					Min	Max	Min	Max	Min	Max	
AD900	ALV65195	10	230	50	110	160	1100	1400	55	57	900x220x190
AD1200	ALV65196	12.5	230	50	150	200	1600	1900	56	58	1200x220x190
AD1500	ALV65197	15.5	230	50	180	230	2000	2500	57	59	1500x220x190
AD2000	ALV65198	20.5	230	50	300	350	2900	3600	59	61	2000x220x190

## Features

- Elegant and modern design suitable for even the most high tech settings
- Brushed aluminium frontage with integrated intake grille and rear panel in black painted sheet metal
- IR remote control
- Two operating speeds
- Tangential fans for quiet operation
- Base opening allows air to escape
- Adjustable outlet vanes can direct outgoing stream of air as desired

*Allvent stock the 2000mm wide Air Curtain unit.*

The cost efficient solution for wider doorways!



## HIGH VELOCITY AIR

# Heated Air Curtain

REDUCE ENERGY COSTS

Air Curtains with a heating element for fixed horizontal installation, suited for use in public premises, shops, supermarkets or shopping malls. Energy savings due to room heating in winter and cooling in summer.



## Technical Data

Model	Code	Weight kg	V	Hz	Phase	Kw	Air Flow (m <sup>3</sup> /h)		dBA @ 2m		Dimensions
							Min	Max	Min	Max	W x H x D (mm)
H AD900 M	ALV65155	13.5	230	50	1	9	1100	1200	55	57	950x305x235
H AD1200 T	ALV65157	16	400	50	3	8	1500	1700	56	58	1230x305x235
H AD1500 T	ALV65158	18	400	50	3	10	1900	2000	57	59	1510x305x235

## Features

- Aluminium front panel with satin finish, colour silver, and air inlet grille comprising 9 horizontal sections of polished aluminium. Rear pressed steel casing, colour black, functions as a frame to which all internal components are fixed. End caps moulded in ABS thermoplastic resin.
- Nominal width of appliance: 900 mm.
- 2 speeds - twin-shaft induction motor with thermal overload protection.
- Minimum air flow: 1000 m<sup>3</sup>/h
- Maximum air flow: 1200 m<sup>3</sup>/h
- 2 tangential fans moulded in thermoplastic resin (SAN) and ultrasonically welded, force air through a longitudinal vent located in the underside of the appliance.
- Electric battery with thermistors (PTC) featuring high thermal yields and reduced aerodynamic drag, protected against overtemperatures and power surges.
- Fan shutdown system by 30" after switching off the heating element.
- Infrared remote control for switching on/off, selecting the desired operating speed and switching on the heating element. These same controls are also available on the front panel of the appliance (3 buttons).
- Adjustable flaps for orientation of air stream.

VORTICEL

A-E Series

SQUARE PLATE SERIES



A range of compact, plate-mounted, axial-flow fans suitable for wall or panel mounting. Suitable for commercial and industrial applications ie: warehouses, hospitals, nightclubs, offices, theatres, factories, gyms, restaurants etc.



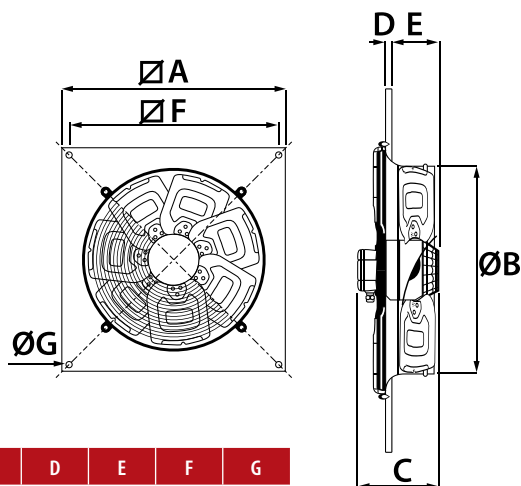
Technical Data

Model	Code	W	A	Poles	RPM	m³/hr	L/sec	Pa	Lw dBA	Max °C
A-E252M	ALV42207	95	0.41	2	2500	1365	379	177	73.5	50
A-E254M	ALV42208	38	0.17	4	1400	764	212	61	59.0	50
A-E304M	ALV42216	81	0.35	4	1400	1563	434	130	63.5	50
A-E354M	ALV42258	182	0.82	4	1400	3015	837	145	68.5	50
A-E404M	ALV42260	261	1.20	4	1375	4063	1128	134	74.5	50
A-E454M	ALV42307	302	1.35	4	1350	5168	1435	81	80.5	40
A-E504M	ALV42316	482	2.12	4	1400	6639	1844	186	79.5	50
A-E506M	ALV42337	285	1.32	6	1000	4977	1382	135	72.5	50
A-E566M	ALV42356	345	1.51	6	1000	6505	1806	123	75.4	50

Features

- Low noise levels.
- Panels made of pressed steel, phosphated and epoxy powder coated with hammered effect finish, painted in polyester black paint, 5 pressed steel blades, electrolytically galvanised and polyester powder-coated, colour black, guaranteeing long-term resistance to atmospheric agents.
- Ventilation port fashioned in one piece with the panel, gauged to optimise air flow, aerodynamically contoured and elongated to optimise performance and facilitate connection to the relative duct.
- Protective grille (in accordance with UNI ISO 13857 standard) acting as anti-bird guard, combining the function of motor bracket, made of electrically welded steel with epoxy paint finish, colour black. Easy removal simplifies maintenance and cleaning of the fan.
- 1 speed single phase AC motor of external rotor type designed to minimise axial dimensions, with shaft turning in ball bearings, insulation class F, thermal overload protection.
- Maximum air flow 1365 m³/h
- Dynamically balanced impeller (UNI ISO 1940, Point 1 – Class 6.3).

Dimensions



	A	B	C	D	E	F	G
A-E252M	320	264	149	10	82	280	8
A-E254M	320	264	149	10	82	280	8
A-E304M	380	316	151	10	84	330	8
A-E354M	450	359	155	10	43	380	4
A-E404M	510	406	200	15	75	430	12
A-E454M	630	455	200	15	60	530	12
A-E504M	630	507	218	15	72	530	11
A-E506M	630	507	218	15	72	530	11
A-E566M	725	563	218	15	67	675	11

Performance Curves

Please refer to the main catalogue





## Summer Cooling

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Nordik Heavy Duty 200 INOX Ceiling Fan	85
Nordik International Plus-R Ceiling Fan	86



PEDESTAL, WALL AND PORTABLE FLOOR

# Industrial Fan Range

AFFORDABLE AIR CIRCULATION

## Industrial Pedestal Fan

Model	Code	Size (mm)	V	Hz	W	rev/min	m <sup>3</sup> /hr
ALVPMF-65	ALV801	650	240	50	230	1400	12,300
ALVPMF-75	ALV802	750	240	50	350	1400	17,400

## Features

- 3 speed motor
- 90° deg oscillation
- Low wattage
- Quick release clip guards
- Chrome guards
- Pull cord on wall-mount fan (WMF45 only)
- 3 blade, high volume

## Industrial Portable Floor Fan

Model	Code	Size (mm)	V	Hz	W	rev/min	m <sup>3</sup> /hr
ALVFD-40	ALV803	400	240	50	110	1350	4920

## Industrial Wall Mounted Fan

Model	Code	Size (mm)	V	Hz	W	rev/min	m <sup>3</sup> /hr
WMF45	ALV806	450	220	50	120	1400	9000
WMF65	ALV804	650	220	50	230	1400	12,300
WMF75	ALV805	750	220	50	350	1400	17,400

WALL MOUNTED

# Gordon Fan

OSCILLATING



The Gordon oscillating fan is suitable for domestic applications in kitchens, bathrooms, and delicately designed for offices, shops, restaurants and bars.

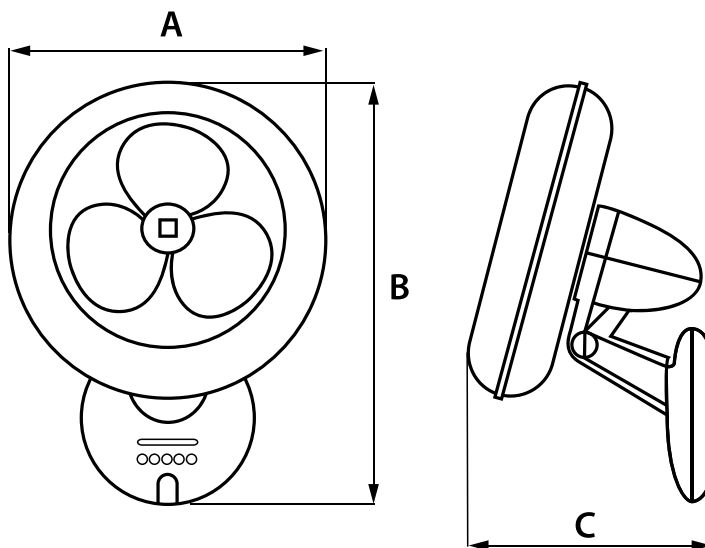
## Technical Data

Model	Code	Colour	V	W	A	RPM	m <sup>3</sup> /hr
GORDON 30/12"	ALV60610	Grey	240	35	0.18	1300	2400
GORDON 40/16"	ALV60641	Grey	240	40	0.19	1145	4000

## Features

- Made from shockproof thermoplastic resin
- Three speeds
- Removeable protective grille for easy cleaning
- Fan head can be orientated
- Oscillating angle can be adjusted by 90°

## Dimensions



	A	B	C
GORDON 30/12"	364	523.5	302.6
GORDON 40/16"	458	570.5	302.5

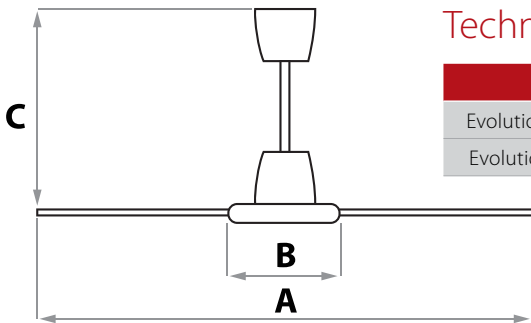


EUROPEAN MADE

# Ceiling Fans

QUALITY STAINLESS STEEL

These Italian-made, reversible ceiling fans not only look beautiful but will bring style and efficiency to cooling your environment. Highly scratch resistant 3-sheet steel blades with a polyester powder coating, to suit the most modern or traditional home designs.



## Technical Data

Model	Code	V	W	Hz	A	Rpm	m <sup>3</sup> /h	m/s	dBA-Lw	Kg
Evolution R 140/56 White	ALV61757	240	70	50	0.35	197	16586	2.08	52.6	7.1
Evolution R 140/56 Black	ALV61769	240	70	50	0.35	197	16586	2.08	52.6	7.1

	ØA	ØB	C
EVOLUTION R 140/56	1488	298	495



## Nordik Evolution R 140/56

Reversible ceiling fan with a sophisticated 'metal look' mirror finish in BLACK GOLD and WHITE GOLD. The top and bottom motor covers are moulded from heat-resistant and UV-resistant thermoplastic resin (ABS). Three sheet steel blades powder coated with scratch-resistant polyester.

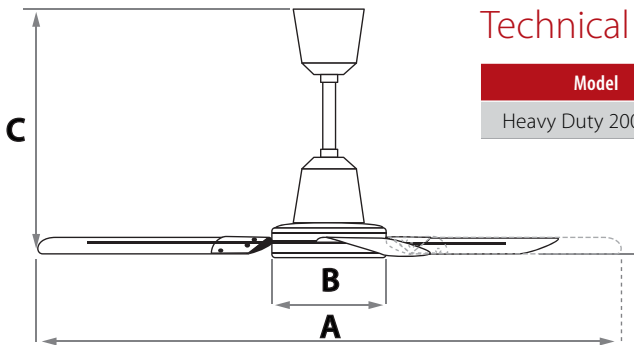
EUROPEAN MADE

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## Technical Data

Model	Code	V	W	Hz	A	Rpm	m <sup>3</sup> /h	m/s	dBA-Lw	Kg
Heavy Duty 200 INOX	ALV61027	240	85	50	0.38	186	22050	1.46	56.4	9.5

	ØA	ØB	C
HEAVY DUTY 200 INOX	2000	230	495

## Nordik Heavy Duty 200 INOX

- Die-casted epoxy painted motor covers, colour black, sealed with EPDM gaskets to prevent dust or water entry.
- Cups made of electrogalvanised steel plate protected by a double layer of epoxy paint.
- Nominal diameter of blades 2000mm.
- Single-phase external rotor motor, shaft mounted on ball bearings.
- 3 blades made of electrogalvanized steel plate protected by a double layer of epoxy paint.
- 4 hole support plate compatible with different types of ceilings, even highly slanted.
- Lifeline to prevent any risk of falling in case of incorrect installation of the product.



- Possibility of automatic adjustment of up to 16 fans simultaneously, in relation to the differential measured by two temperature sensors.
- Nuts and bolts, ceiling hook and rubber made damper supplied with the product.
- Adjustable speed control through auto-transformer or multiple electronic devices allowed (optionals).

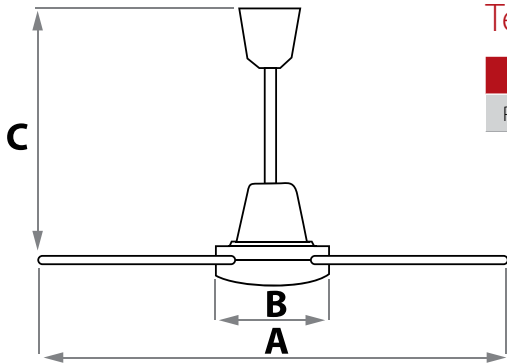
EUROPEAN MADE

# Ceiling Fans

QUALITY STAINLESS STEEL



These Italian-made, reversible ceiling fans not only look beautiful but will bring style and efficiency to cooling your environment. Highly scratch resistant 3-sheet steel blades with a polyester powder coating, to suit the most modern or traditional home designs.



## Technical Data

Model	Code	V	W	Hz	A	Rpm	m <sup>3</sup> /h	m/s	dBA-Lw	Kg
Plus-R 140/56	ALV61742	240	70	50	0.33	231	13500	1.69	52.6	6.2



	ØA	ØB	C
INTERNATIONAL PLUS-R 140/56	1422	230	495

## Nordik International Plus-R 140/56

An elegant finish in WHITE. The top and bottom motor covers are moulded from heat-resistant and UV-resistant thermoplastic resin (ABS). Three sheet steel blades powder coated with scratch-resistant polyester. IPX5 rating ensures complete protection from water spray. Suitable for verandahs and undercover outdoor areas.

## Winter Heating

Thermologika Grigio	88
Thermologika A	89
Thermologika Soleil Plus	90
Microrapid	91

INFRARED WALL HEATERS

# Thermologika Grigio

FOR INDOOR OR OUTDOOR USE



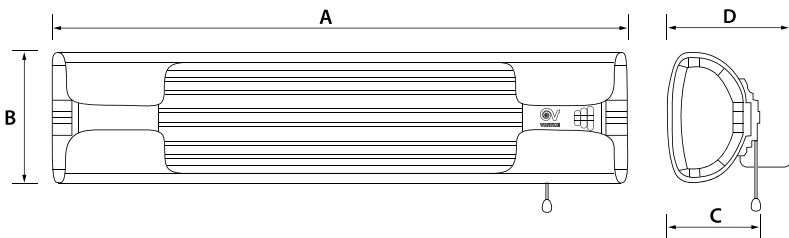
Thermologika is suitable for domestic and commercial applications when instant heat is necessary or in places with direct or continuous contact with the outside.



## Technical Data

Model	Code	V	Hz	W	A	Kg	IP
Thermologika Grigio	ALV70004	240	50	1800	7.8	2.4	IPX4

## Dimensions



	A	B	C	D
Thermologika Design	570	132	84	124

## Features

- Die-cast aluminium end sections with painted finish
- Casing sections: pressed steel with painted finish
- Grille fashioned with stainless steel rods
- 3 x infrared bar, each rated 600 W. The single bars can be controlled from remote switches.
- Pull cord switches for on/off control and heat output settings.
- Wall-mounted installation using bracket provided.
- Facility for connecting two bars in series or in parallel.



## INFRARED WALL HEATERS

# Thermologika A

COMMERCIAL AND DOMESTIC APPLICATIONS



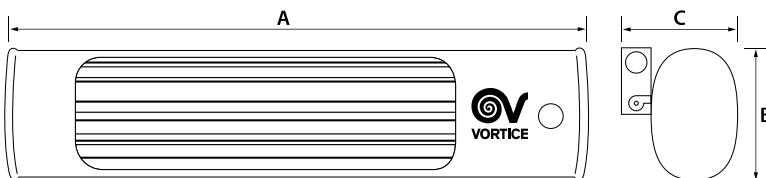
Thermologika is suitable for domestic and commercial applications when instant heat is necessary or in places with direct or continuous contact with the outside.



## Technical Data

Model	Code	V	Hz	W	A	Kg	IP
Thermologika A	ALV70015	240	50	1800	7.8	1.6	IPX4

## Dimensions



	A	B	C
Thermologika	540	123	100

## Features

- Wall installation with compact dimension
- Ensures immediate comfort
- No moving parts, maximum silence
- Heat up time approx. 30 seconds
- Choice of 3 power outputs with a pull switch
- Can be switched on and off remotely
- Easy installation and maintenance
- Adjust to direct heat where needed

INFRARED WALL HEATERS

# Thermologika Soleil Plus

FOR INDOOR OR OUTDOOR USE



Thermologika is suitable for domestic and commercial applications when instant heat is necessary or in places with direct or continuous contact with the outside.



## Technical Data

Model	Code	V	Hz	W	A	Kg	IP
Thermologika Soleil Plus	ALV70070	230	50	1500	6.5	2.3	IP65

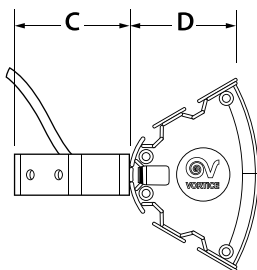
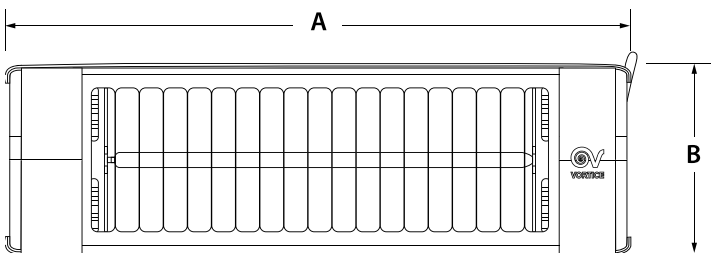
## Soleil Plus Accessories

Model	Code
Accessory Kit	ALV22970
Heat Controller	ALV22974

## Features

- Heat concentrated to target areas
- Wall or ceiling installation, horizontally or vertically
- Grille is sheered, bent, aluminium sheet
- Casing is extruded aluminium with epoxy polyester resin paint
- Lamp: Halogen HeLen technology, highly efficient, long lasting
- Strong and lightweight
- Immediate heat delivery
- High radiating efficiency

## Dimensions



	A	B	C	D
Soleil Plus	453	138	93	83

## COMPACT WALL-MOUNTED FAN HEATERS

# Microrapid Range

SAFE, STURDY, STYLISH

Microrapid series are particularly user-friendly while improving operational safety. They are intended for primary heating in situations where there is no central heating or it is undersized.



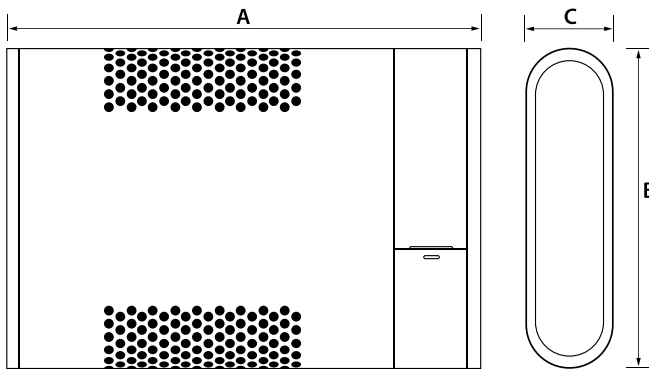
## Technical Data

Model	Code	V	Hz	W	A	Kg	IP
Microrapid T 600V0	ALV70653	240	50	300/600	2.6	3	IPX4
Microrapid T 1000V0	ALV70661	240	50	500/1000	4.3	3.7	IPX4
Microrapid T 1500V0	ALV70663	240	50	500/1000/1500	6.5	3.8	IPX4
Microrapid T 2000V0	ALV70681	240	50	800/1200/2000	8.7	4.2	IPX4

## Features

- Small dimensions: ideal for cramped areas
- Splash protected, installation into damp environments
- Selectable heating power
- Extremely silent
- Inbuilt timer has a daily/weekly digital programmer (V0T)
- Resin parts have high mechanical strength at high temperatures
- V0 self-extinguishing plastic

## Dimensions



	A	B	C
Microrapid T 600V0	433	258	109
Microrapid T 1000V0	503	258	109
Microrapid T 1500V0	573	258	109
Microrapid T 2000V0	633	258	109



## Hygiene

Vortice Super Dry UV B	94
Vortice Optimal Dry-R	94
Dolphin BC2400PA	95
Dolphin BC1800W	95
Dolphin BC2200	96
Dolphin BC2001	96
Dolphin BC2002	97
Dolphin BC2006	97



VORTICE HAND DRYER

# Super Dry UV B

ENERGY SAVING



## Technical Data

Model	Code	V	W	W motor	A max	Lp dB(A) 1m
VORT Super Dry UVB White	ALV70907	240	1650/ 2050	750	8.7	76
VORT Super Dry UVB Silver	ALV70908					

## Features

- Cabinet moulded in self-extinguishing ABS
- Steel wall-mounting flange
- EC brushless motor with thermal overload protection and shaft turning in ball bearings
- Heating element ON/OFF: a switch on the left hand side can be turned off to save energy in warmer environments.
- Germicidal capability thanks to UV lamp
- Dryer stops immediately when hands are withdrawn.
- Protection against vandalism: automatic shutoff after 25 seconds of continuous operation.
- Protection against overheating, overload and short-circuit.
- Drip collection tank
- HEPA filter



VORTICE HAND DRYER

# Optimal Dry-R

ELEGANT DESIGN AND VANDAL RESISTANT



## Technical Data

Model	Code	V	W	W motor	A max	Lp dB(A) 1m
VORT Optimal Dry R	ALV19227	240	2000	65	9	61.4

## Features

- Front cover moulded in thermosetting impact-resistant plastic, white
- Wall-mounting flange incorporating warm air outlet grille of moulded plastic (PP)
- EC motor with thermal overload cutout
- Heating element protected by 2 devices: thermal fuse and resettable thermal overload limiter
- Air flow 170 m<sup>3</sup>/h
- Dryer operated automatically by an infrared device with activation distance of up to 35 cm
- Dust filter
- IMQ safety certification



**D**  
DOLPHIN

DOLPHIN HAND DRYER

**BC2400PA**

HIGH AIR FLOW

### Features

- Casing: 2.0mm thick, porcelain enamel coated steel
- Nozzle: Chrome plated zinc
- Brush motor: 2400W, 5500rpm
- Designed with 105°C thermostat
- Heater assembly: Designed with 65°C thermostat
- Air flow rate 345 m<sup>3</sup>/h (202 CFM)
- Sound level : 70 ± 3 db
- Approximately 20–25 seconds drying time
- Adjustable sensitive distance of sensor from 10 to 30cm
- Power cut-off automatically in case of irregular use over 120 seconds
- 2 vandal proof lock screws and key wrench
- 5 year manufacturer's warranty

### Technical Data

Model	Code	Dimensions (mm)
ALVBC2400PA	ALV1007	H 248 x W 284 x D 202



**D**  
DOLPHIN

DOLPHIN HAND DRYER

**BC1800W**

ECONOMICAL

### Features

- Two year guarantee
- Die-cast white metal cover for strength and durability
- Superior technical design – dual thermal overload protection on motor and heating element
- Certification of Compliance to foremost international safety standards and performance standards
- 'No touch' operation by electronic infra-red sensor maximises hygiene and economy of operation
- Fully automatic operation switches off within 3 seconds of hand removal – infra-red sensor
- Power rating: heating element 1700w
- 100w brushless motor (3450 rpm)
- Sound level: 63 +/- 3dB

### Technical Data

Model	Code	Dimensions (mm)
ALVBC1800W	ALV1001	H 220 x W 248 x D 170



DOLPHIN HAND DRYER

**BC2200W**

STYLISH AND ROBUST

Features

- Two year guarantee
- Choose from die-cast white metal cover or polished chrome plated die-cast aluminium cover for strength and durability even in high corrosion environments such as swimming pools
- Superior technical design – dual thermal overload protection on motor and heating element
- Certification of Compliance to foremost international safety standards and performance standards
- ‘No touch’ operation by electronic infra-red sensor maximises hygiene and economy of operation
- Fully automatic operation switches off within 3 seconds of hand removal – infra-red sensor
- Power rating: heating element 2100w
- 100w induction motor

Technical Data

Model	Code	Dimensions (mm)
ALVBC2200W - Die cast white metal	ALV1002	H 210 x W 320 x D 175



DOLPHIN HAND DRYER

**BC2001**

VELOCITY HIGH SPEED

Features

- Two year guarantee
- Auto resetting thermostat
- 1600w dryer
- 700w motor
- 900w heating element
- Automatic infrared sensor
- Adjustable air speed: 75–100m/second
- Dries hands in less than 10 seconds
- Auto shut off in 60 seconds
- Air output to 100m/second
- Low energy usage – reduces power consumption by up to 70%

Technical Data

Model	Code	Dimensions (mm)	Finish
BC2001	ALV1003	H 301 x W 230 x D 189	Satin stainless steel





**D**  
DOLPHIN

DOLPHIN HAND DRYER

**BC2002**

STYLISH AND ENERGY EFFICIENT

### Features

- Two year guarantee
- Quality 304 Grade stainless steel body
- Operating power of only 1000w (500w heating element) saving 80% of user's energy costs
- Smallest dryer in the range – less than half the size of equivalent high speed dryers
- Infrared, self adjusting sensor: 51mm–254mm range
- Dryer delivers 101.7m<sup>3</sup>/hour (90m/s)  
This dries hands in 10–15 seconds, reducing CO<sub>2</sub> emissions.
- 29,000 rpm brush motor
- 55°C air output temperature

### Technical Data

Model	Code	Dimensions (mm)	dBA	Finish
BC2002	ALV1004	H 230 x W 246 x D 145	75	Satin stainless steel



**D**  
DOLPHIN

DOLPHIN HAND DRYER

**BC2006**

VELOCITY SEMI-RECESSED

### Features

- Two year guarantee
- Auto resetting thermostat
- 1600w dryer
- 350–700w motor (adjustable)
- 450–900w heating element (adjustable)
- Automatic infrared, self-adjusting sensor: 51mm–330mm
- Dries hands in less than 10 seconds
- Auto shut off in 60 seconds
- Air output at 75–100m, self-adjusting
- Low energy usage – reduces power consumption by up to 70%
- Available in polished stainless steel on request






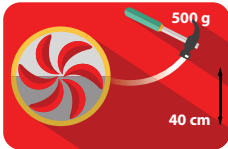
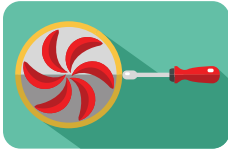

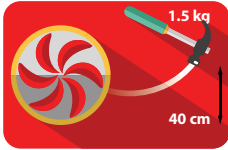
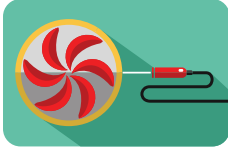

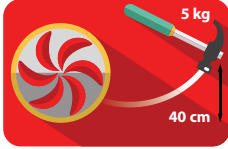






### Technical Data

Model	Code	Dimensions (mm)	Finish
BC2006	ALV1005	H 513 x W 250 x D 62	Satin stainless steel

**Recess dimensions:** H 495mm x W 235mm x D 122mm



## INTERNATIONAL PROTECTION (IP) RATINGS

PROTECTION AGAINST SOLIDS			PROTECTION AGAINST LIQUIDS			PROTECTION AGAINST IMPACT		
No.	TEST	PROTECTION	No.	TEST	PROTECTION	No.	TEST	PROTECTION
<b>X</b>	No test applied	No specific protection	<b>X</b>	No test applied	No specific protection	<b>X</b>	No test applied	No specific protection
<b>0</b>	No test applied	Inherent degree of protection	<b>0</b>	No test applied	Inherent degree of protection	<b>1</b>	 150 g 15 cm	Resistant to impacts of weight up to 150g falling from 15cm
<b>1</b>	 Protected against solid objects equal to or greater than 50mm diameter (eg: accidental contact with hand)		<b>1</b>	 Protected against drops of water falling vertically		<b>3</b>	 250 g 20 cm	Resistant to impacts of weight up to 250g falling from 20cm
<b>2</b>	 Protected against solid objects equal to or greater than 12.5mm diameter (eg: contact with finger)		<b>2</b>	 Protected against drops of water falling at up to 15° from the vertical		<b>5</b>	 500 g 40 cm	Resistant to impacts of weight up to 500g falling from 40cm
<b>3</b>	 Protected against solid objects equal to or greater than 2.5mm diameter (eg: tools and wires)		<b>3</b>	 Protected against spraying water up to 60° from the vertical		<b>7</b>	 1.5 kg 40 cm	Resistant to impacts of weight up to 1.5kg falling from 40cm
<b>4</b>	 Protected against solid objects equal to or greater than 1mm diameter (eg: fine tools and wires)		<b>4</b>	 Protected against splashing water from all directions		<b>9</b>	 5 kg 40 cm	Resistant to impacts of weight up to 5kg falling from 40cm
<b>5</b>	 Protected against quantities of dust that could interfere with satisfactory operation		<b>5</b>	 Protected against jets of water from all directions		Defined by UTE 20010		
<b>6</b>	 Completely protected against dust		<b>6</b>	 Protected against jets of water of similar force to heavy seas				
Defined by IEC 60529 DIN 40050 CEI 70-1			<b>7</b>	 Protected against the effects of temporary immersion				
To Australian standards AS 60529-2004			<b>8</b>	 Protected against the effects of continuous immersion				
Degrees of protection provided by enclosures. (IP Code)			Defined by IEC 60529					



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