

EC fan catalogue



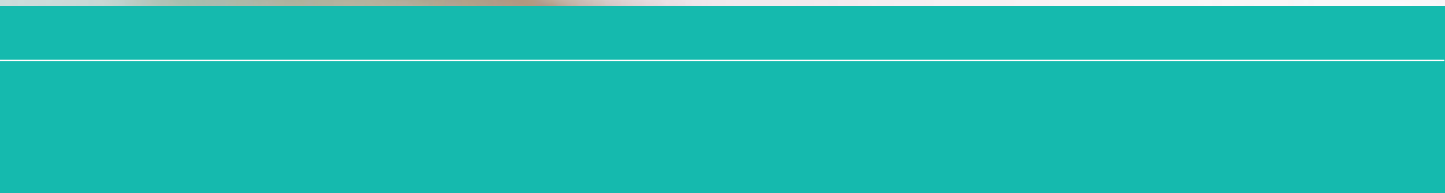
Fans with
EC motors



The background of the slide is a composite image. The top portion shows a close-up of vibrant green leaves, likely from a tree, with sunlight filtering through them. The bottom portion is a blurred industrial or factory setting, featuring a long, horizontal light fixture and various pieces of machinery in shades of blue and grey.

Value of EC fans

EC fans are intelligent devices that use integrated motor electronics to ensure the fan motor always runs at an optimal load.



With EC motors, the proportion of energy utilized effectively is higher, resulting in considerable energy savings compared with traditional AC motors.

Another notable feature of EC fans is their energy-saving potential at full load, especially when speed controlled, i.e. at part load. When operating at part-load, the energy used is much lower than with an asynchronous motor of equivalent output. Reduced energy usage guarantees a drop in operating costs and a faster time to recover your investment.





Index

Duct mounted

prio	4
K-EC	7
SBD-EC	8
MFP-EC	9
MFS-EC	10
ICQ-EC	11

Roof mounted

CS-EC	14
KMV-EC	15
RCD-EC	16
RCV-EC	17

Wall mounted

FSW-EC	18
AW-EC	19

Car park

JVC	22
IV Smartjet	23
prioJet 200 EC	24

Controls & sensors

EC Basic controls	28
Occupancy sensors	29
CO ₂ sensors	30
Room temperature sensors	31
Run-on timers	32



Green Ventilation





prio 150



prio 200, 250

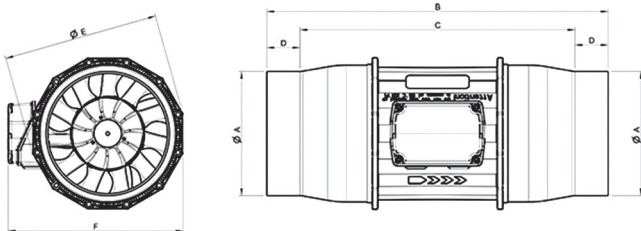
prio 150, 200, 250 - sleek, aerodynamic, straightforward.

The prio has aerodynamically optimised impellers and guide vanes and features integrated thermal contacts with manual reset to prevent the motor from overheating. Its unique composite material makes the Prio airtight minimising the transfer of sound and vibration to ductwork. Included mounting brackets make installation on walls or ceiling achievable. In addition to allowing for easy installation and removal, the mounting clamp further minimises the transfer of vibrations to ductwork.

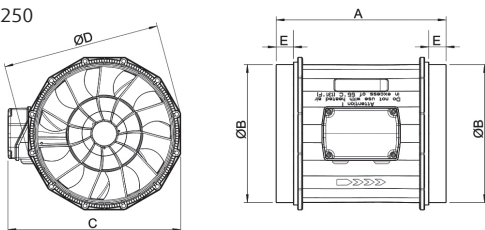
- 25mm long spigot connections
- Airtight compact design
- Can be installed in any position
- Wall and ceiling mounting bracket included
- EC-motor is low SFP and high efficiency
- Aerodynamically optimised impellers and guide vanes
- Integrated external rotor motors
- Output control
- Integrated motor protection
- Low sound level
- Pre-wired 0-10V potentiometer included for easy commissioning
- Suitable for outdoor use when installed with weather protection

Dimensions

prio 150



prio 200, 250



Fan Model	ØA	B	C	D	ØE	F
prio 150	149	412	332	40	187	211

Fan Model	A	ØB	C	ØD	E
prio 200	245	199	249	227	25
prio 250	300	249	303	284	30

Technical data

		150	200	250	250L
Voltage	V	230	230	230	230
Frequency	Hz	50	50	50	50
Input power	W	76	117	124	0.17
Current	A	0.642	0.921	0.901	1.34
Max. temperature of transported air	°C	55	55	55	55
Sound pressure (3m)	dB (A)	57	52	48	58
Weight	kg	1.9	2.4	3.1	3.8

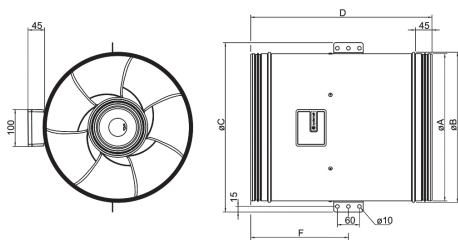


prio 315

- Circular duct fan
- Compact, aerodynamic design
- Airtight
- Integrated motor protection
- Suitable for outdoor and wet room use
- High efficiency and low SFP with a real working point
- Low sound level
- Simple to install mounting brackets included
- 0-10V potentiometer included

Dimensions

prio 315

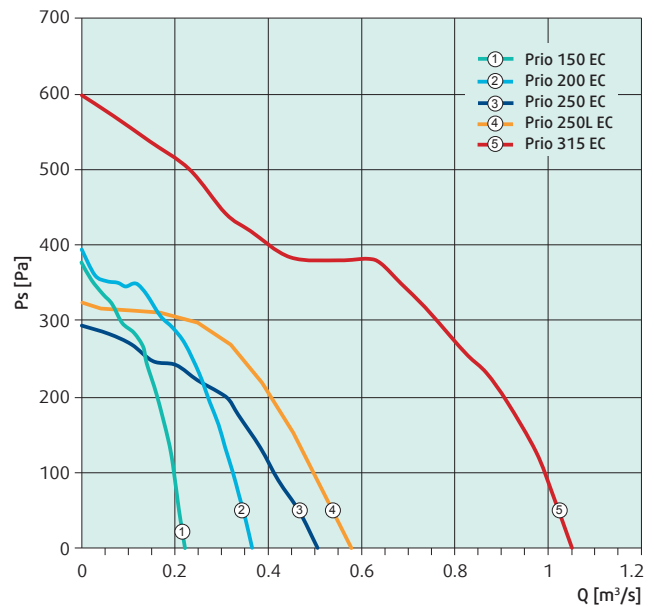


Fan Model	A	ØB	C	ØD	F
prio 315	314	322	375	407	205

prio 315 - designed for ease of installation.

The prio 315 is made from a single piece of sheet steel and features similar aerodynamic impellers as its smaller siblings. Outdoor mounting and wetroom applications are possible thanks to the fan's airtight casing and IP 55 rated terminal box. Motor protection is integrated into the electronics of the motor. The included FK mounting clamp makes installation/removal easy and prevents sound and vibration transfer to the ductwork. During commissioning, finding the desired working point is quick using the included pre-wired 0-10V potentiometer.

Performance Curve



Technical data

		315
Voltage	V	230
Frequency	Hz	50
Input power	W	528
Current	A	2.32
Max. temperature of transported air	C	55
Sound pressure (3m)	dB (A)	64
Weight	kg	8.52

Our values

Prioritise

Take initiative
Make decisions
Chosen strategy

Simplify

The straight way
Systematic approach
Standardised products

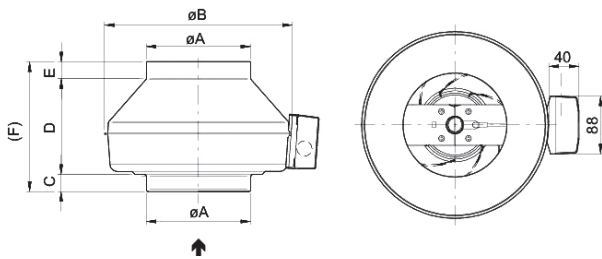
Trust

Clear communication
Product reliability
Collective responsibility



- Low noise level
- Increased efficiency
- Integral thermal contacts
- Can be installed in any position
- Airtight casing
- Suitable for outdoor use
- Integral thermal protection
- Maintenance-free and reliable
- Integrated motor protection
- Supplied with mounting bracket

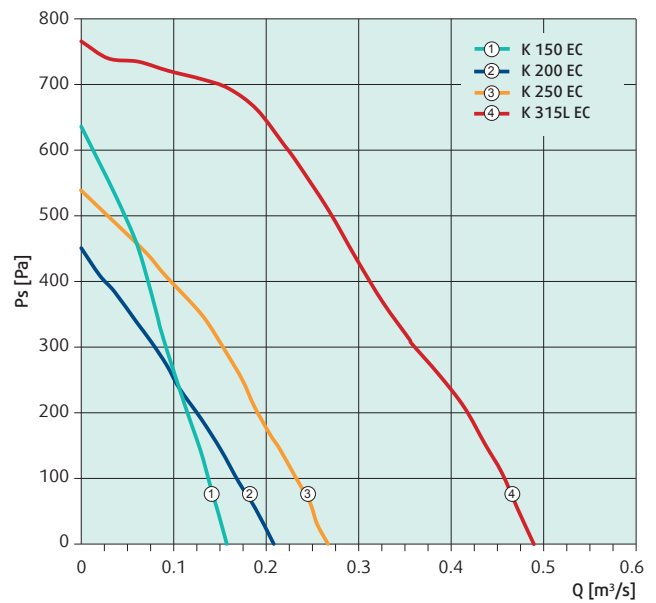
Dimensions



Fan Model	ØA	ØB	C	D	E	F
K150	149	286	25	152	25	202
K200	199	336	30	148	27	205
K250	249	336	30.5	144.5	27	202
K315L	314	408	37.5	160.5	27	225

The K-fan EC series is a circular centrifugal fan manufactured from galvanised sheet steel designed for duct installation. The fan seams utilise a folding technique to create a close to airtight casing making the K-fans suitable for outdoor and wet room applications. All K-fans have 25mm long spigot connections, backward-curved blades and external rotor motors. To protect the motor from overheating K-fans have internal thermal contacts with a manual reset. For simpler, installation and removal, FK mounting brackets are included. FK mounting brackets also prevent the transfer of vibration to ductwork. The fans come with a pre-wired 0-10V potentiometer, making it easy to find the desired working point during commissioning.

Performance Curve



Technical data

		150	200	250	315L
Voltage	V	230	230	230	230
Frequency	Hz	50	50	50	50
Input power	W	84	73	115	340
Current	A	0.686	0.6	0.874	2.08
Max. temperature of transported air	°C	55	55	55	55
Sound pressure (3m)	dB (A)	51	51	49	62
Weight	kg	3.3	3.7	3.9	7.7

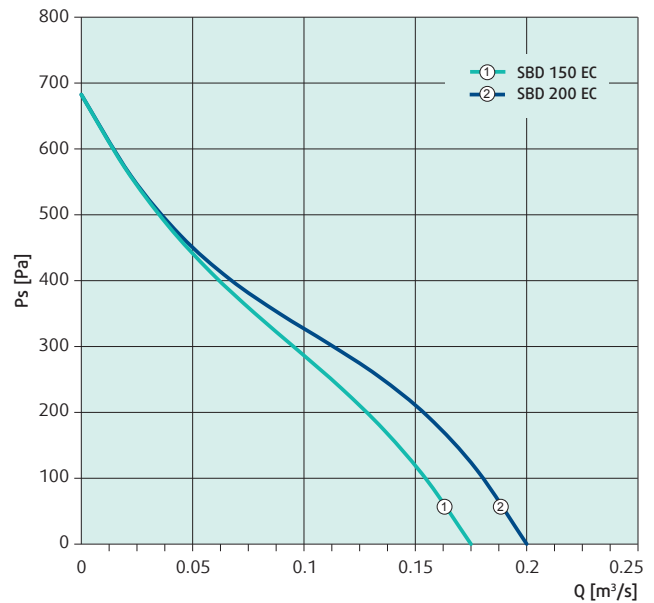


- High-efficiency permanent magnet EC motors
- Fitted with backward-curved 'Radical' centrifugal impellers
- Cases are made from an injection moulded flame retardant V0 polymer
- Non-return dampers built-in
- Long spigots for easy duct connection
- Fits into tight spaces
- Can be mounted at any angle
- Fitted with flex leads and plugs
- Includes a potentiometer dial control housed in a fly lead junction box
- BMS or sensor 0-10V input can be wired on-site
- Rated fan performance determined by testing to ISO 5801:2007
- Fan sound data determined by testing to ISO 13347:2004

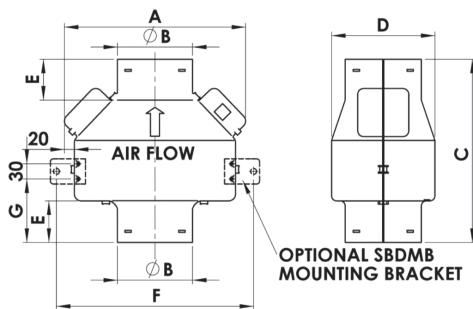
SBD EC series

The SBD EC series is a low-profile high-performance centrifugal fan designed for use in ducted ventilation systems where cavity space is limited. The fans incorporate EC motors with advanced centrifugal impellers for exceptional efficiency. The fans include integrated non-return dampers standard and can be mounted at any angle. Fitted with a potentiometer dial control housed in a fly lead junction box, a BMS or sensor 0-10V input can be wired on-site.

Performance Curve



Dimensions



Fan Model	A	ØB	C	D	E	G
SBD 150	358	150	350	205	75	140
SBD 200	390	200	385	255	80	146

Technical data

		150	200
Voltage	V	230	230
Frequency	Hz	50	50
Input power	W	80	80
Current	A	0.75	0.75
Max. temperature of transported air	°C	50	50
Sound pressure (3m)	dB (A)	48	51
Weight	kg	3	3

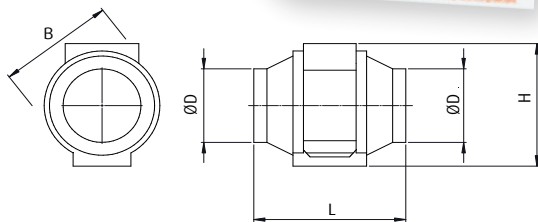
MFP-EC



- Mixed flow impellers
- Cases are injection moulded polymer
- Can be installed in parallel or series configuration for higher pressures or flows
- Easy motor/impeller dismount system.
- Rated fan performance determined by testing to ISO 5801:2007
- Fans sound data determined by testing to ISO 13347:2004



Dimensions



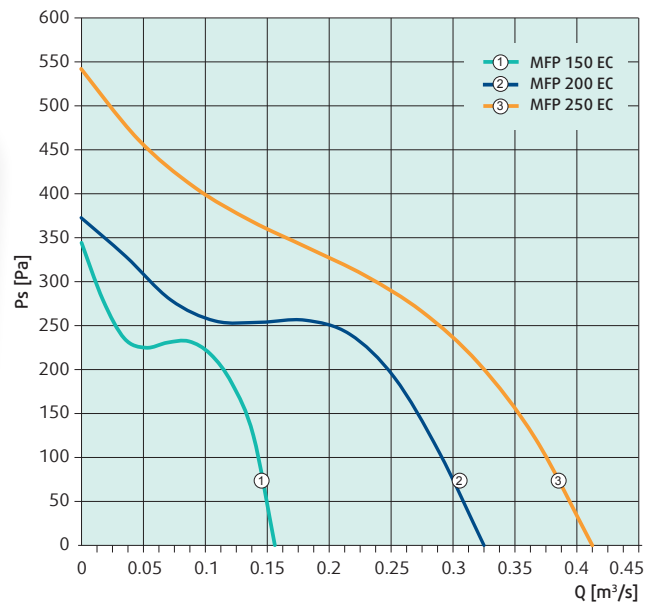
Fan Model	ØD	B	H	L
MFP 150	148	220	247	289
MFP 200	199	239	261	295.5
MFP 250	247	287	323	383

MFP EC series

The MFP is an economic mixed flow fan series. With components designed to be as light as possible, the MFP is fast and safe to install in tight spaces. An ideal solution for medium demand ventilation in commercial and residential systems, the MFP is an inline duct type EC fan using a mixed flow impeller design for exceptionally low noise levels. Motor cases unclip from duct connections for easy servicing. The MFP is suitable for room to room air transfer and supply or exhaust ventilation.

For higher pressures or flows, install the MFP in parallel or series configuration.

Performance Curve



Technical data

	150	200	250	
Voltage	V	230	230	230
Frequency	Hz	50	50	50
Input power	W	55	140	197
Current	A	0.53	0.99	1.35
Max. temperature of transported air	C	50	50	50
Sound pressure (3m)	dB (A)	49	58	57
Weight	kg	1.51	6.4	7.5

MFS-EC

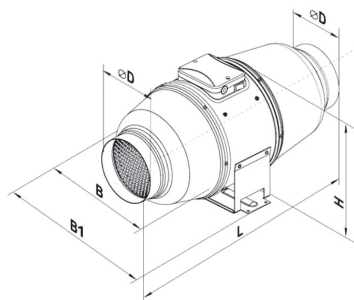


MFS series

Ideal for applications requiring high airflow performance at very low sound levels, the MFS is an ultra-low noise inline duct type fan that uses a mixed flow impeller design. The polymer-coated steel cases come fitted with flex leads and plugs.

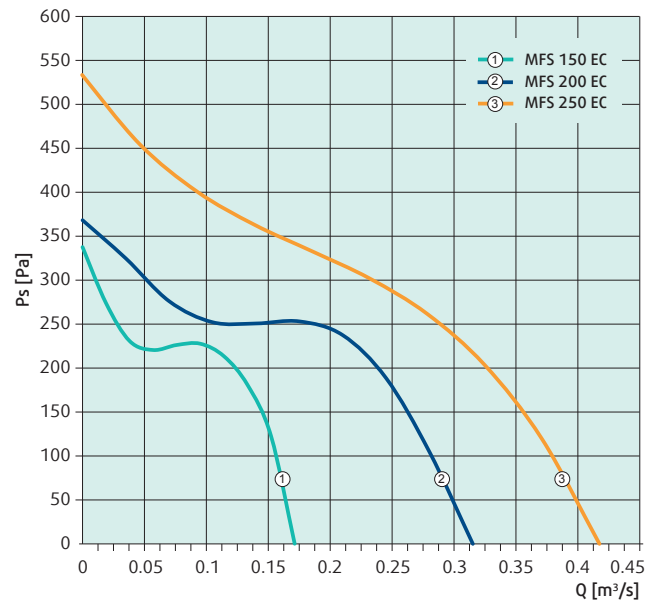
- Sound performance
- Speed controllable
- Fitted with flex leads and plugs
- Fan performance tested to ISO 5801:2007
- Sound data tested to ISO 13347:2004

Dimensions



Fan Model	ØD	B	B1	L	H
MFS 150	147	247	274	580	260
MFS 200	198	293	386	550	295
MFS 250	248	358	445	658	360

Performance Curve



Technical data

		150	200	250
Voltage	V	230	230	230
Frequency	Hz	50	50	50
Input power	W	55	140	197
Current	A	0.53	0.99	1.35
Max. temperature of transported air	°C	50	50	50
Sound pressure (3m)	dB (A)	41	41	44
Weight	kg	6.1	8	15

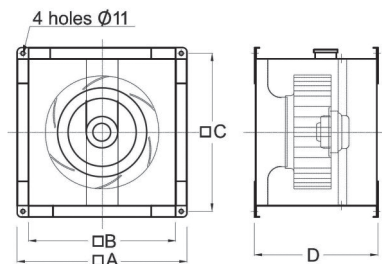


Square centrifugal duct fans

The EC ICQ series of duct mounted fans incorporates very high efficiency electronically commutated DC motors with onboard infinitely variable control modules and sealed for life bearings. Using a 0-10V input signal or a 10K potentiometer, the ICQ, like all EC fans, is tailored to meet the exact airflow requirements and reduce energy consumption.

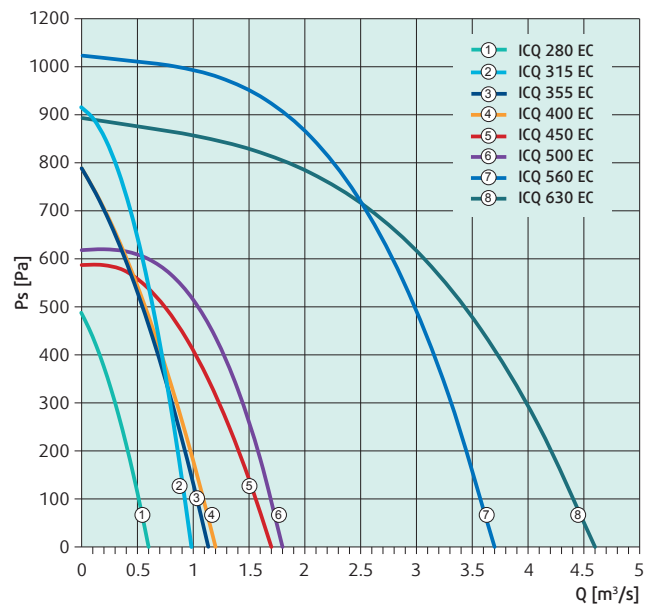
- Made from galvanised sheet steel
- Backward curved centrifugal impellers
- High-efficiency EC rotor motors with sealed for life bearings
- Performance tested to ISO 5801:2007
- Sound tested to ISO 13347:2004

Dimensions



Fan Model	A	B	C	D
ICQ 280	480	410	445	350
ICQ 315	480	410	445	350
ICQ 355	520	450	485	550
ICQ 400	570	500	535	550
ICQ 450	620	550	585	600
ICQ 500	720	650	685	650
ICQ 560	770	700	735	750
ICQ 630	871	801	835	800


Performance Curve



Technical data

		280	315	355	400	450	500	560	630
Voltage	V	230	230	230	230	230	400	400	400
Frequency	Hz	50	50	50	50	50	50	50	50
Input power	W	170	500	500	500	750	970	3500	3600
Current	A	1.4	2.2	2.2	2.2	3.3	1.7	5.4	5.5
Max. temperature of transported air	°C	50	50	50	50	50	50	50	50
Sound pressure (3m)	dB (A)	44	52	49	49	50	52	56	58
Weight	kg	27	27	34	36	39	58	55	62



 Pacific Ventilation



Pacific Ventilation



fans**Select**

RE**vit**

Scan code to download



Still manually loading BIM data for every single fan selection?

There IS a better way. Pacific Ventilation's **fansSelect** selection software with **REvit** plugin saves you time AND eliminates costly transposition errors.

HVAC design made simple. What are you waiting for?

www.pacificventilation.com

 Pacific Ventilation

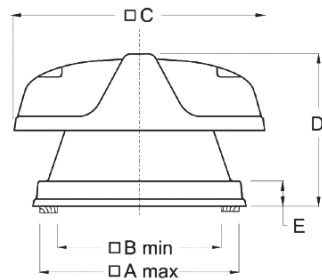


CS series

The CS series is a purpose designed for roof-mounted supply of air into building ventilation systems. The fans offer quiet and efficient operation with a wide range of sizes. Made with UV stabilised polymer and fibreglass; the CS can withstand the harshest conditions. All models are fitted with bird mesh as standard.

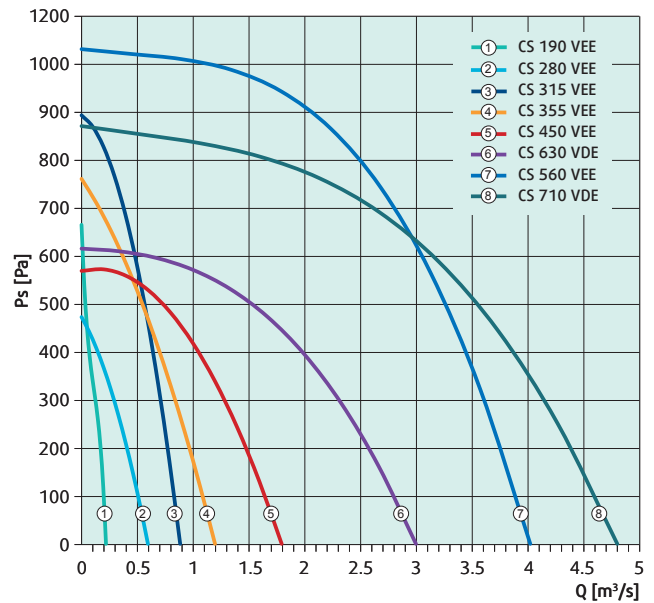
- Available in 8 sizes
- Backward curved impellers
- External rotor motors with sealed for life bearings
- UV resistant ABS polymer fan bases and caps
- Fitted with bird mesh as standard
- Fan performance tested to ISO 5801: 2007
- Fan sound tested to ISO 13347: 2004

Dimensions



Fan model	A	B	C	D	E
CS 190	380	325	430	260	50
CS 280/315/355	510	440	710	550	90
CS 450/560	810	710	960	800	95
CS 630/710	1140	1040	1250	853	65

Performance Curve



Technical data

		190	280	315	355	450	560	630	710
Voltage	V	230	230	230	230	230	230	400	400
Frequency	Hz	50	50	50	50	50	50	50	50
Input power	W	80	170	500	500	750	1500	3500	3600
Current	A	0.75	1.4	2.2	2.2	3.3	6.7	5.4	5.5
Max. temperature of transported air	C	50	50	50	50	50	50	50	50
Sound pressure (3m)	dB (A)	48	44	52	49	50	50	51	51
Weight	kg	3	10	12	22	27	41.2	41	85

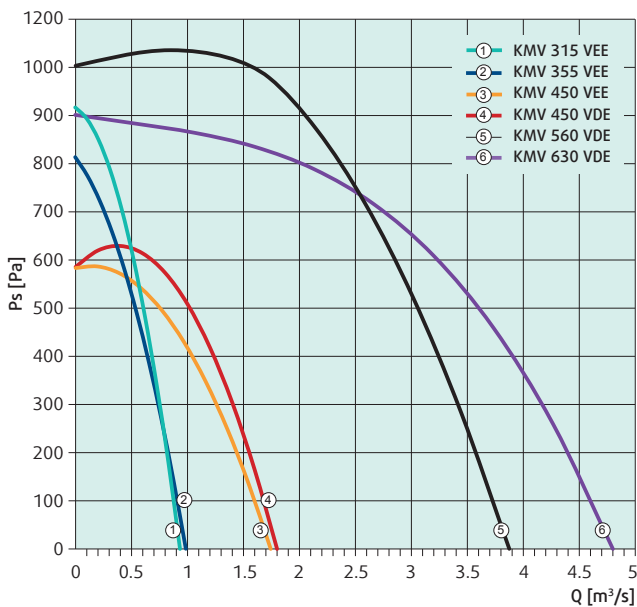


KMV series

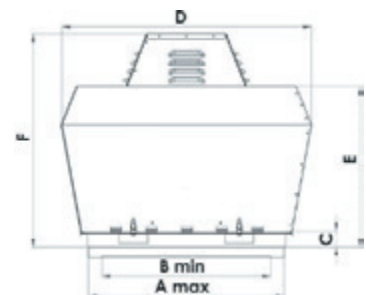
Simple to install and operate the KMV is a powerhouse kitchen and general extraction fan. Made to be used in a wide variety of situations the KMV helps to maintain a comfortable and safe environment.

- Ideal for kitchen extraction and general ventilation
- Available in 4 sizes (6 models)
- Roof-mounted out of air stream centrifugal fan
- Up to 4,600 L/s
- High performance backwards curved centrifugal impellers
- All metal, weatherproof
- Wind bands secured with clip fasteners for easy service access and cleaning
- Powder-coated galvanised steel
- Lifting slots underneath for moving safely with a forklift
- Compliant with AS/AS/NZS1668.1:2015 for kitchen exhaust systems
- Fan performance tested to ISO 5801:2007
- Sound data tested to ISO 13347:2004

Performance Curve



Dimensions



Fan Model	A	B	C	D	E	F
KMV 315	410	310	50	605	355	545
KMV 355	500	400	50	700	450	600
KMV 450/560	720	620	60	920	585	755
KMV 630	810	710	60	1140	655	865

Technical data

		315	355	450	450	560	630
Voltage	V	230	230	230	400	400	400
Frequency	Hz	50	50	50	50	50	50
Input power	W	500	500	750	970	3500	3600
Current	A	2.2	2.2	3.3	1.7	5.4	5.5
Max. temperature of transported air	°C	50	50	50	50	50	50
Sound pressure (3m)	dB (A)	52	49	50	52	56	58
Weight	kg	45	50	75	75	100	127

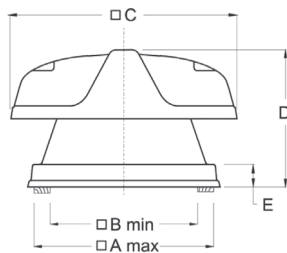


RCD series

The EC RCD series of roof-mounted down discharge fans are general purpose centrifugal fans for extraction ventilation. UV stabilised polymer, corrosion protected steel, and fibreglass the RCD can withstand harsh conditions. All models are fitted with bird mesh as standard. Available in optional Colorbond^(tm) colours.

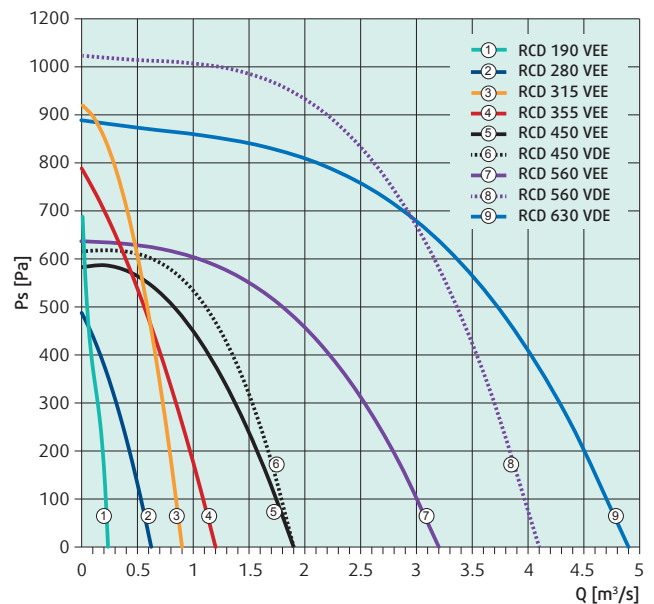
- Duties up to 4200 L/s
- Backward curved impeller
- External rotor motor with sealed for life bearings
- Made from UV stabilised polymer and corrosion-resistant steel and fibreglass
- Fitted with bird mesh standard
- Available in optional ColourbondTM colours
- Fan performance tested to ISO 5801:2007
- Fan sound data tested to ISO 13347:2004

Dimensions



Fan Model	A	B	C	D	E
RCD 190	295	245	400	199	30
RCD 280/315	410	310	590	324	76
RCD 355	500	400	730	410	70
RCD 450/560	720	620	965	630	80
RCD 630	810	710	1250	615	80

Performance Curve



Technical data

		190	280	315	355	450	560	450	560	630
Voltage	V	230	230	230	230	230	230	400	400	400
Frequency	Hz	50	50	50	50	50	50	50	50	50
Input power	W	83	168	500	500	750	1500	970	3500	3600
Current	A	0.75	1.4	2.2	2.2	3.3	6.7	1.7	5.4	5.5
Max. temperature of transported air	C°	50	50	50	50	50	50	50	50	50
Sound pressure (3m)	dB (A)	48	45	52	49	50	50	52	56	58
Weight	kg	4	5	6	12.4	22	39	22	39	54

RCV-EC

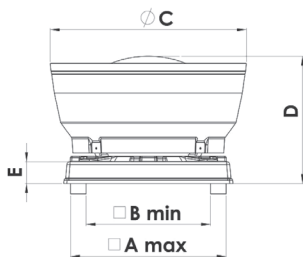


RCV series

The EC RCV series of roof-mounted vertical discharge fans incorporate very high efficiency electronically commutated DC motors with onboard infinitely variable control modules. These fans are AC powered with control and power conversion electronics integrated into the motor. Controllable with 0-10V input signal or 10K potentiometer.

- Roof-mounted centrifugal vertical discharge fan
- 9 sizes up to 4500 L/s
- Motor speeds can be controlled with 0-10V input signal or 10K potentiometer.
- Made from UV stabilised polymer, corrosion protected steel, and fibreglass
- All models are fitted with bird mesh as standard
- Allows for drop-in replacement of commonly encountered roof fans
- Available in optional Colorbond™ colours
- Performance tested to ISO 5801:2007
- Sound tested to ISO 13347:2004

Dimensions

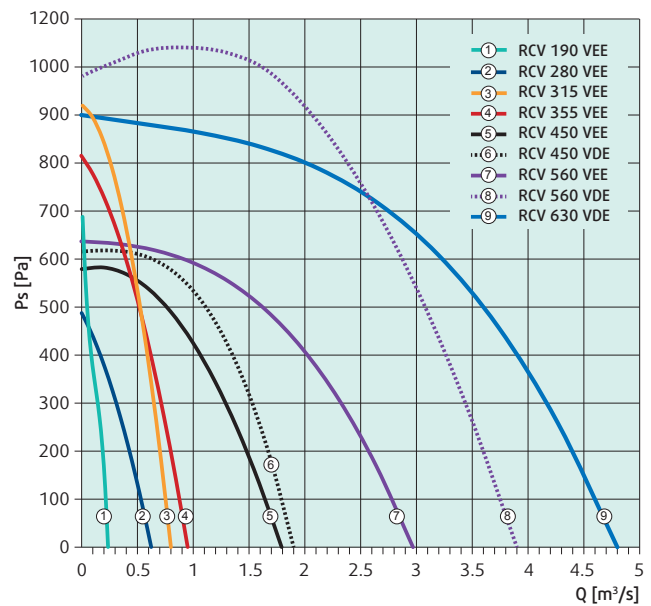


Fan Model	A	B	C	D	E
RCV 190	295	245	400	224	30
RCV 280	410	310	500	353	76
RCV 315	410	310	500	353	76
RCV 450	720	620	910	510	80
RCV 560	720	620	910	515	80
RCV 630	810	710	1192	635	80

Technical data

		190	280	315	355	450	560	450	560	630
Voltage	V	230	230	230	230	230	230	400	400	400
Frequency	Hz	50	50	50	50	50	50	50	50	50
Input power	W	83	168	500	500	750	1500	970	3500	3600
Current	A	0.75	1.4	2.2	2.2	3.3	6.7	1.7	5.4	5.5
Max. temperature of transported air	°C	50	50	50	50	50	50	50	50	50
Sound pressure (3m)	dB (A)	48	45	52	49	50	50	52	55	58
Weight	kg	7	10	12	12	25	41	25	41	62

Performance Curve



FSW-EC



- Complete FSW Demand Control Ventilation solution
- NATA certified
- For most duties sound is well under 40 decibels
- Easy to change filter
- High-efficiency backward curved impeller
- Thermal overload protection
- 10k potentiometer for easy commissioning
- Quick fix clips for easy maintenance
- Effortlessly add smart controls and sensors

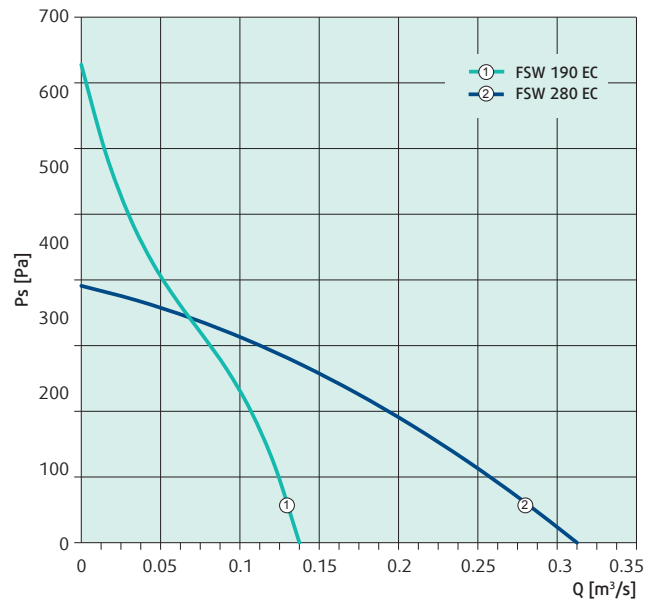
FSW190-VEE & FSW280-VEE

NATA accredited for technical competence. Pacific Ventilation provides the only complete Filter Supply Wall (FSW) Demand Control Ventilation solution in Australia.

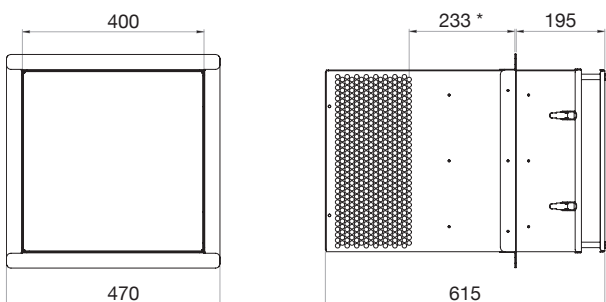
Designed to deliver filtered air for a wide range of applications, the FSW is for use where direct intake is limited or impractical. Typically these areas include classrooms, auditoriums, libraries, computer rooms, and switch rooms. For most duties, independent testing shows sound well under 40 decibels.

The FSW uses a high-efficiency EC motor with integrated motor protection and has an easy maintenance filter to ensure reliability, simplicity, and practicality. With optional external controls and Building Management System (BMS) integrations, the FSW is suitable for demand control and monitoring devices like pollutant sensors.

Performance Curve



Dimensions



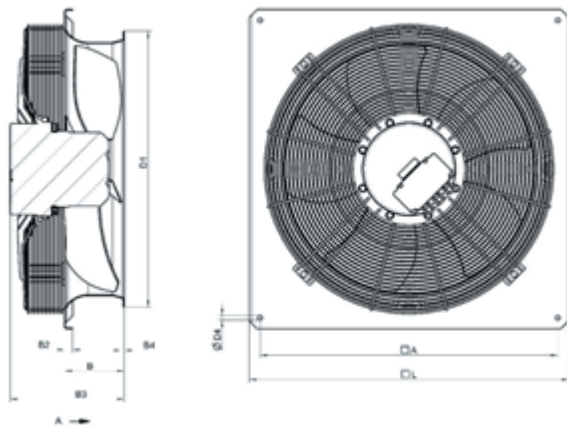
Technical data

		190	280
Voltage	V	230	230
Frequency	Hz	50	50
Input power (P1)	W	80	170
Current	A	0.75	1.4
Max. temperature of transported air	°C	55	55
Sound pressure level (3m)*	dB(A)	49	62
Weight	kg	20	21



- Connected via terminal box mounted on the motor
- Energy-saving
- Highly efficient EC external rotor motor
- Inlet protection guard
- Integrated motor protection
- Safe and maintenance-free operation
- Install in any mounting position
- 0-10V potentiometer included

Dimensions



Fan Model	A	B	B2	B3	B4	ØD1	ØD4	QL
AW 200	260	52	6	127	18	203	7	312
AW 250	320	57	6	132	22	260	7	370
AW 300	380	80	11	157	11	327	9	430
AW 350	435	80	12	157	11	388	9	485
AW 400	490	98	12	175	20	419	9	540
AW 450	535	100	14	209	-	468	11	576
AW 500	615	120	16	181	5	517	11	656

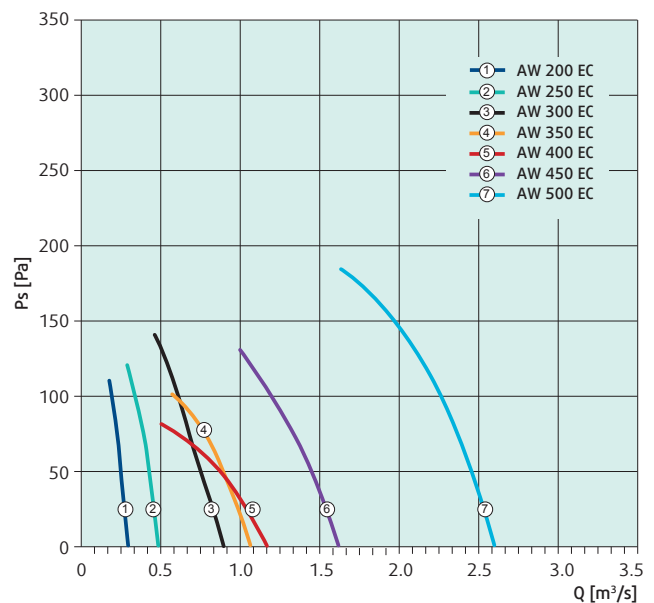
Technical data

		200	250	300	350	400	450	500
Voltage	V	230	230	230	230	230	230	230
Frequency	Hz	50	50	50	50	50	50	50
Input power (P1)	W	60	83	167	166	138	348	750
Current	A	0.53	0.72	1.36	1.34	1.14	2.21	3.356
Max. temperature of transported air	°C	60	60	60	60	60	60	60
Weight	kg	2.4	3.3	5	6.2	7.3	10.5	15.4

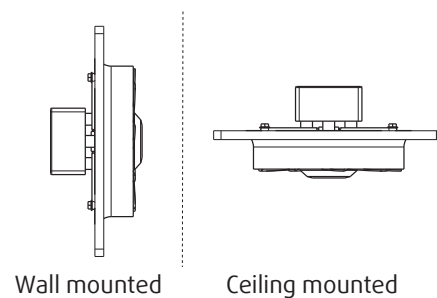
AW EC – low pressure axial wall fans

AW EC fans are driven by high efficient, energy-saving EC-external rotor motors. The electronics are integrated into the motor casing/terminal box. Motors are suitable for 50/60Hz, and the input voltage for single-phase units can vary between 200 and 240V. The AW EC range is equipped with a square wall plate made from galvanized steel and is entirely powder-coated in black. The protection guard at the inlet side is powder-coated black. The free-running axial impeller is made with fibre-reinforced high-performance composite materials with a metal core and is balanced dynamically in two levels per DIN ISO 1940 part 1, quality G6.3.

Performance Curve



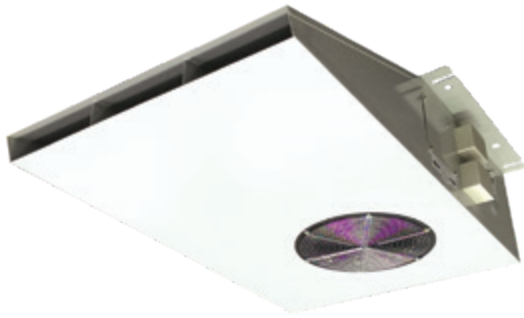
Installation variations



A good climate is a basis for health, productivity and well-being. It is the provision of efficient ventilation and air-conditioning systems that drives us, as well as the simplification of the work of the planner and installer. Based on our core values of simplicity and reliability, we develop, produce and distribute high-quality ventilation and airconditioning systems.







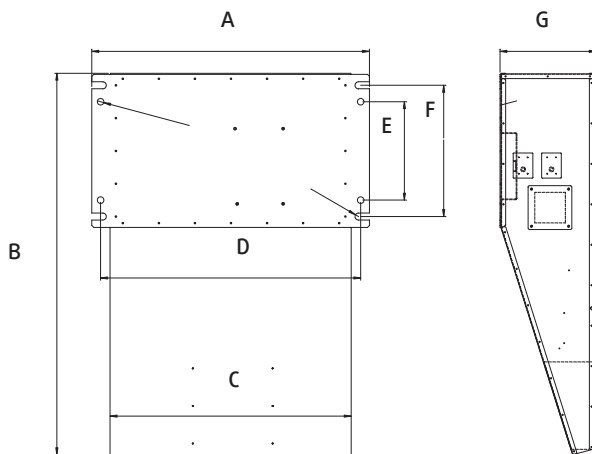
The efficient, silent, and low profile option.

The JVC is an advanced EC jet impulse fan based on the technically superior ebm-papst RadiCal backward curved centrifugal impeller. The centrifugal wheel design delivers exceptional air efficiency. The low profile design is particularly useful where head clearances are restricted.

The fans incorporate high efficiency permanent magnet EC motors with onboard speed control and intelligent interface capability with BMS (building management systems) or optional CO sensors. Features

- Cases formed from corrosion-resistant galvanised sheet steel
- Powder coat finish
- Input for sensor 0-10 V or 4-20 mA
External 24 V input (programming)
- Integrated PID controller
- RS485 MODBUS RTU compatible
- Soft start
- Control input 0-10 VDC/PWM
- Over-temperature protected electronics / motor
- No expensive, bulky, complex duct systems – ideal for renovations.

Dimensions



Fan size	A	B	C	D	E	F	G
JVC 25	1070	1445	900	990	400	600	343
JVC 50	1270	1744	1103	1190	450	600	440

Performance

Fan model	Nominal Thrust	N Motor k/W	Amps	Air Speed m/s	Airflow m ³ /h	RPM	kg	dB(A) @ 3m
JVC 25	50	0.97	1.7	25	5,800	1550	85	52
JVC 50	90	2.90	4.43	28	11,000	1750	155	55

IV Smart Jet Fan-EC



IV Smart Jet Fan – Concentrated power in a compact design. The smart fan for car parks.

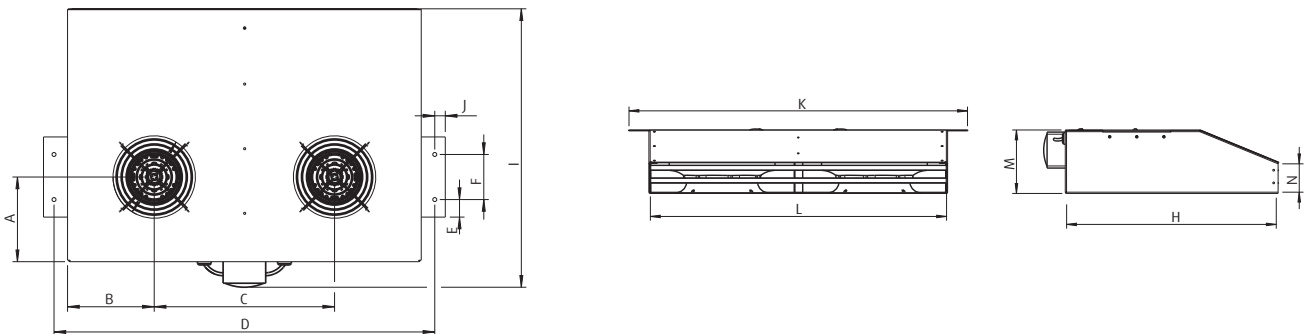
The new IV smart, Pacific Ventilation’s smallest jet fan, is perfectly suited for use in car parks where ceiling clearances are tight. Despite its compact size, the fan packs a real punch when it comes to air performance thanks to its pair of parallel centrifugal fans, and helps keep your car park safe. The use of 230V EC fans also keeps installation and operating costs down. High energy efficiency and easy assembly are further standard features which make the IV smart and attractive solution.

- Green Ventilation jet fan with energy efficient EC technology for daily demand ventilation, CO control and cold smoke extraction
- Available in 50/60 Hz, 230V EC
- Energy efficient
- Low weight
- Integrated galvanised steel clip mounts for easy, fast, and safe installation
- No expensive cables required
- 2 parallel sileo centrifugal impellers manufactured from composite materials
- Highly corrosion resistant
- Low noise
- Aerodynamically optimised outlets
- Laminar airflow and perfect air mixing
- Flat, compact casing
- 100% controllable via 0-10V signal
- Integrated motor protection
- Casing made of galvanised steel sheet
- For medium temperatures up to 55°C in continuous operation
- Terminal box mounted at the outside of the casing

Technical data

IV Smart		IV Smart EC
Voltage	V	230
Frequency	Hz	50
Input power (P1)	W	350
Current	A	2.6
Thrust	N	12
Max. temperature of transported air	°C	55
Sound pressure level (3m)*	dB(A)	64
Weight	kg	17.4

Dimensions



Fan Model	A	B	C	D	E	F	H	J	K	L	M	N
IV Smart AC/EC	169	173	360	760	36	140	554	8	800	700	150	67

prioJet 200 EC



prioJet 200 EC – For CO management, cold smoke extraction and daily demand (dehumidification) ventilation in car parks.

The Pacific Ventilation jet fan prioJet 200 EC is characterised by high system performance and low installation and operating costs. The 230V EC fans minimize installation work and cable laying due to a single-phase standard cabling.



Green Ventilation – The standard for efficient car park ventilation

Green Ventilation EC fans are intelligent fans.

An integrated motor electronic always ensures optimal fan operation. The efficiency is much higher than a conventional AC motor because, in control mode, the EC motor adjusts to suit what is needed at any given time.

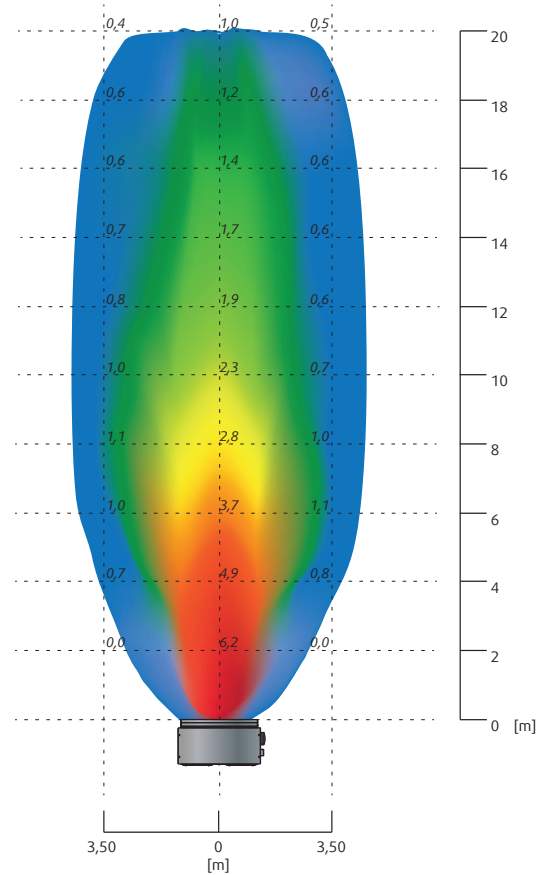
- Green Ventilation jet fan with energy efficient EC technology
- Available in 50/60 Hz, 230V EC motors IP 44, according to EN 60034-5.
- Equipped with adjustable deflectors to set an optimal airflow.
- During installation, the deflectors can still be adjusted to redirect the airflow (e.g. next to downstand beams).
- No expensive supply lines required.
- Very high efficiency = maximum performance + low energy consumption
- Flow-optimized impellers and discharge guide vane for laminar airflow, low energy use.
- Flat, compact housing allows for low installation height.
- Fast easy and safe installation using light weight, galvanised steel, pre-installed ceiling mounts.
- 100% controllable via 0-10V signal
- Integrated motor protection
- Casing made of galvanised steel sheet
- For medium temperatures up to 55°C in continuous operation
- Terminal box mounted at the outside of the casing for easy wiring

Technical data

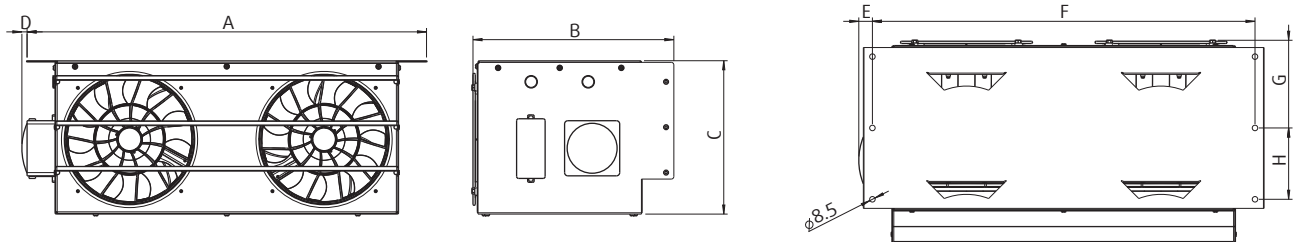
prioJet 200 EC		
Voltage/Frequency	50 Hz 230	230
Phase	~	1
Speed	1/min	3463
Rated power	kW	0,23
Rated current	A	1,84
Thrust	N	12
Air volume	m ³ /h	2664
Sound pressure level at 3m (20m ² Sabine)	dB(A)	56
Weight	kg	11,5



Flow priojet 200 EC



Dimensions



Fan Model	A	B	C	D	E	F	G	H
priojet 200 EC	616	310	236.5	8	21	590	135	110





EC Basic sensors

Duct mounted

Roof mounted

Wall mounted

Carpark solutions

Controls & sensors

Wall mounted



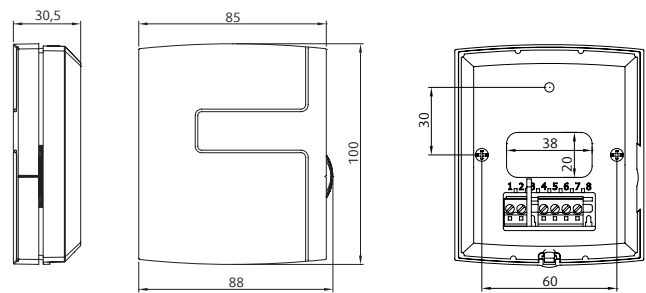
EC Basic - Simple to install, connect, and set up.

Demand control and EC made easy! Rigorously tested, simple to use, energy-efficient, and easy to install the EC Basic controllers manage indoor air quality on demand. All controllers are simple to install, connect and set up, have 50/60HZ mains option, and can be used on single-phase or three-phase EC fans.

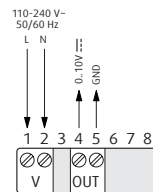
The EC-Basic-U universal controller represents the opportunity to add a nearly infinite number of sensors to your demand control ventilation system. From pressure to lights to movement, the universal controller works on the same technology as the other three controllers.

- 50/60HZ mains option
- Can be used with all 220V single phase and 380V three phase EC fans
- Built in sensor
- Temperature range -20 to +50°C
- The controller compares room temperature with an adjustable set point and regulates a 0..10V output signal applied to a ventilator with a PI algorithm in direct or reverse action based on jumper
- JP1 setting:
 - JP1 closed 1-2 = heating (reverse action)
 - JP1 closed 2-3 = cooling (direct action)
- The range for knob set point is from 5 to 30°C

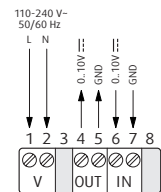
Dimensions



Wiring



Version
 EC Basic-T: Temperature
 EC Basic-CO2/T: Temperature + CO₂
 EC Basic-H: Humidity



Version
 EC Basic-U: Universal

EC Basic series

Room controller for EC fans in 4 versions for control of temperature, humidity or CO₂ and temperature 0-10V.



Technical data

EC-Basic		EC-Basic-T	EC-Basic-U	EC-Basic-H	EC-Basic-CO ₂ /T
Voltage	V	85	85-265	85-265	
Frequency	Hz	50	50	50	50
Power consumption	W	0.46	0.46	0.46	1.5
Temperature range	°C	-20 – +50	-20 – +50	-20 – +50	-20 – +50
Working range		-	0...100%	-	-
Humidity measuring range	%RH	-	-	0 - 100	-
CO ₂ measuring range	ppm	-	-	-	0 - 2000

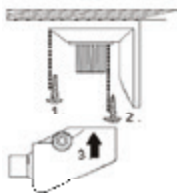
IR24-P occupancy sensor



IR24-P

- Intended for wall or ceiling mounting
- Increases energy efficiency and occupant comfort
- Power supply 24V AC or DC
- Unobtrusive design
- Potential free, changeover relay
- Both relay on-delay and/or relay off-delay, can be individually set

Ceiling mounting



Wall mounting



Fig.2 Installation of the mounting bracket

Occupancy sensors

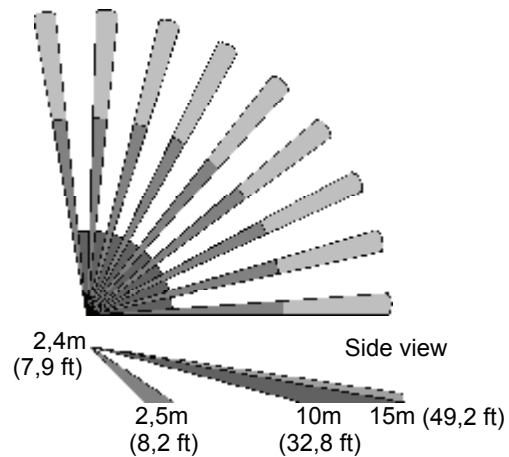
Occupancy sensors save money and increase occupant comfort in areas like classrooms, conference rooms, lecture halls, and theatres where occupancy is not consistent. The occupancy sensor activates and deactivates the forced air ventilation as needed rather than running all the time.

The Systemair IR24-P occupancy sensor sends a signal to turn on the ventilation when someone is present in the room under supervision. The sensor has a pulse detecting function that minimises the risk of false alarms.

The settable output on/off delay allows the sensor to certify occupancy before activating or deactivating the fan coil controller.

Detection pattern

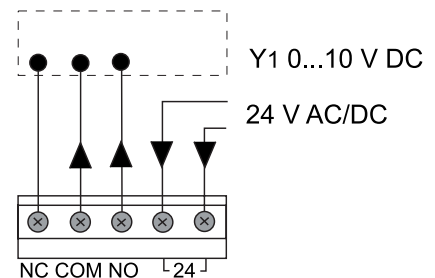
110°, 15 x 15 m (49,2 x 49,2 ft) at 25°C (77°F) Plan view



Technical data and dimensions

		IR24-P
Voltage supply	V	24 AC/DC
Ambient temperature	°C	-20 – +50
Hum, non cond.	% RH	95
Enclosure class	IP	44
Circuit-breaking relay	AA	NC/NO
Switching capacity		24V DC / 0.2A
Weight	KG	0.1
Width	mm	66
Height	mm	112
Depth	mm	45

Wiring



CO₂ sensors



E CO₂



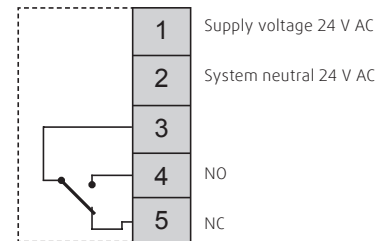
E-D C CO₂

- Wall-mounted
- Signal update every 5 seconds
- Very high accuracy
- Exact identification of the detected gas
- Low risk for contamination
- Short response time
- High long-term stability
- Extended calibration interval (>5 years)
- The sensor with display shows actual values in an alternated series

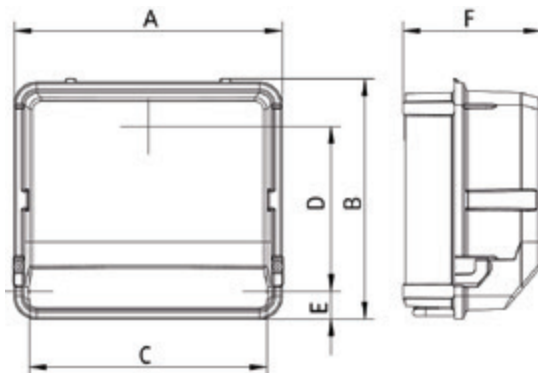
E CO₂ range

Primarily used for demand-controlled ventilation, the E CO₂ sensors prevent energy losses from over-ventilation while maintaining indoor air quality. Useful in specific areas such as conference rooms, classrooms, and meeting halls, the E CO₂ is a wall-mounted, easy to install sensor with a clean, modern look suitable for most indoor environments.

Wiring



Dimensions



Size	A	B	C	D	E	F
CXE/AVC	223	200	198	137	23	115

Technical data

		Systemair E CO ₂	Systemair E-D CO ₂	CO2RT-R-D
Voltage	V	24	24	24
Frequency	Hz	50	50	50
Working range	ppm	0...2000	0...2000	0...2000
Power consumption	W	0.7	0.7	3
Circuit-breaking relay	A	-	-	1
Ambient temperature	°C	0 - +50	0 - +50	-5 - +55
Hum, non cond.	%RH	0-99	0-99	0-90
Enclosure class	IP	50	50	30
Weight	kg	-	-	0.11
Remarks		without display	with display	

TFR Room temperature sensor



Room temperature sensor

Room temperature sensor with PTC element. With over-voltage protection (R20°C approx. 1.9 kΩ). The PTC element is supplied loose in the housing. The element is fitted in one of the cable conduits.

- Commercial room temperature sensor with PTC element
- With over-voltage protection (R20°C approx. 1.9 kΩ)
- PTC element is supplied loose in the housing, then fitted in one of the cable conduits

Technical data and dimensions

		TFR
Temperature range	°C	-20 - +60
Resistance bei +20 °C	Ω	1900
Enclosure class	IP	54
Width	mm	75
Height	mm	75
Depth	mm	37
Weight	kg	0.01



Potentiometers – manual control

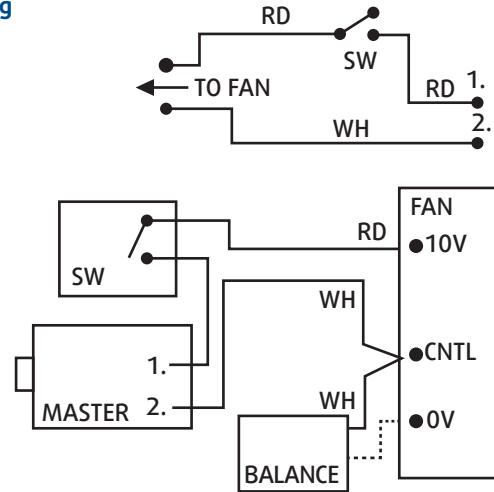


- Wall mount
- Built in voltage spike and DC filter
- 2 wire
- On/off plus minimum 2V output, max 12V
- Current rating of up to 10amps
- Speed range from 100% down to approximately 30%

VA10K-EC

The VA10K-EC speed controller is a comparatively low-cost option for varying flow, power consumption, and sound levels of a single phase EC fan.

Wiring



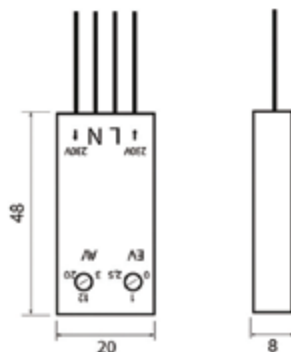
NLE run-on timer



Run on timers permit EC fans to continue operating for a preset amount of time. Simple, inexpensive, and easy to install run on timers allow for more effective ventilation in places where steam or odour can linger. We recommend run on timers for areas like bathrooms, toilets, and laundry rooms.

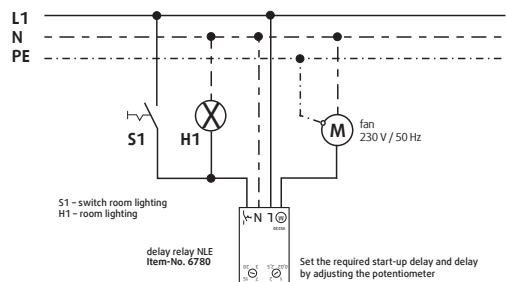
- Delayed start function – can be set between 3 sec. and 2.5 min
- Run on function – can be set between 3 and 10 min
- Max Amp: 0,6A
- Weight 0.05 kg

Dimensions



Wiring

Electrical connection fan with electronic delay relay NLE



The electrical connection must be performed by a specialist according to VDE 0100. During installation and assembly work an all-pole disconnection must be made from the mains with a minimum 3 mm contact opening width.



Headquartered in Melbourne, with offices and distributors throughout Australia and New Zealand, Pacific Ventilation is a wholly-owned subsidiary of global HVAC leader Systemair Group. With 28 production facilities and sales organisations in 50+ countries, Systemair Group and Pacific Ventilation are **#ByYourSide**.

Simplicity and reliability:

The values and business concepts of Systemair Group are core; manufacture and market high-quality ventilation products. Based on our Group business concept and values, and with our customers in focus, we aim to be your most efficient and helpful partner in mastering your indoor air quality challenges.

Selection software:

We save you time and money with our fansSelect selection software and REVit plugin. Transposition errors caused by manually entering BIM data is a thing of the past.

Green Ventilation:

As the Green Ventilation solutions leader, our products have outstanding energy efficiency combined with well-thought-out material consumption and production methods. We actively develop solutions and techniques such as heat recovery, night cooling, and demand-control-ventilation for the Australian and New Zealand building markets.

Quality and customer experience:

Your customer experience is always our priority. When you need an indoor air quality solution, we manage the process with you from quote to despatch. Our Customer Service Group is with you for the long-haul, just like our fans.

Testing:

We don't cut corners. Manufactured to the highest standard, we test every fan before leaving the factory for quality and performance. On-site acceptance testing is available by request.



100 years of HVAC experience.

Peter brings a proven track record of leadership as a Managing Director of multinational HVAC & R companies. Additionally, Peter has significant experience in the sales, operations, and marketing spaces.



Peter Gibson – *Managing Director*

Richard oversees the engineering, production, and operations teams in Australia. With over 25 years of experience as an engineer, Richard came to the HVAC manufacturing industry by accident via an early career in specialty materials.



Richard Agar-Wilson – *General Manager*

Mark is General Manager of Pacific Ventilation New Zealand. Responsible for overseeing the New Zealand and Pacific Island sectors, Mark has 11 years' experience in the HVAC industry and 23 years of business expertise.



Mark Turney – *General Manager NZ*

Andrew has over 30 years of experience in the HVAC industry. Andrew is an early adopter of technology, customer experience focused and thrives on challenging established selling models. His team of more than 20 sales engineers, account managers, and customer service representatives service the Australian market.



Andrew Twisse – *National Sales Manager*

İsmail brings unprecedented expertise to the company. With over 15 years of experience in finance and industrial manufacturing operations including 6 six years' experience working for Systemair Turkey, he ensures Pacific Ventilation stays agile and growing.



İsmail Özyıldırı – *Finance Manager*



We are the safe choice.



PV00072_APRIL_2021_Version 1.0.0



Pacific Ventilation

Pacific Ventilation Pty Ltd

AU 1300 733 833

NZ 0800 100 326

sales@pacificventilation.com

www.pacificventilation.com