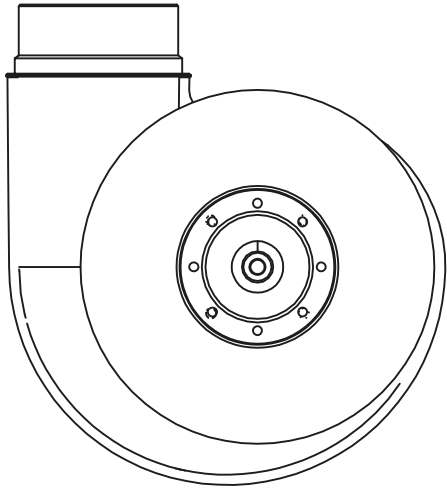




ANTICORROSIVE FANS
VENTILADORES ANTICORROSIVOS

ÍNDICE

STANDARD M PP SERIES	3
F. M-75	4
F. M-140	5
F. M-160	6
F. M-200	7
F. M-200VG	8
F. M-250 1500	9
F. M-250 3000	10
F. M-315	11
F. M-355	12
FAN POSITIONS	13
SERIE M PP SINGLE-PHASE	14
SERIE M ATEX PPELS	15
SERIE M PP FLANGE	16
F. M-75 FLANGE	17
F. M-140 FLANGE	18
F. M-160 FLANGE	19
F. M-200 FLANGE	20
F. M-200VG FLANGE	21
SERIE BPR STANDARD	22
SPARE PARTS	26
ACCESSORIES	28
WARRANTY	33



FANS

SERIES M PP

STANDARD



Quimipol's M Series range of fans is made up of small and medium sized anticorrosive fans with flow rates ranging from 110 to 8500m³/h. This range tries to offer solutions to any kind of ventilation systems for laboratory equipments or other industrial applications.

STANDARD M PP SERIES



Simple aspiration centrifugal fans, made of polypropylene with great resistance to chemical attacks used for the extraction of corrosive gases. Turbines with forward or backward blades, depending on the model, directly coupled to the motor shaft, protection IP55, Class F. Maximum recommended working temperatures between -10°C and +65°C. Motors with IE2 efficiency up to 0.55kW. Superior models with IE3 efficiency.

***The ECODESIGN Directive 2009/125/EC does not apply to the range of anticorrosive fans.**

***Mounting with flanges only under request (Without motor support)**

Motors:

With 2, 4 and 6 poles, depending on the version.

Standard supply voltage 230-400v 50Hz.

*60Hz special windings under request.

Single-phase models 230V-50Hz, under request.

Motors with powers higher than 0.55kW IE3 energy efficiency.

USUAL PRODUCTS FOR FAN IMPLEMENTATION IN PP:

- Sulfuric Acid, Nitric Acid, Hydrofluoric Acid, Hydrochloric Acid, Soda, Ethanol, Methanol, Benzene.

*Steerable volute (See page 11).

*If not specified, fans are delivered in position 2.

Other Combinations

Under request, special production using other plastic materials such as PVC or PVDF to convey chromium vapors and derivatives, or other products or concentrations incompatible with standard polypropylene.

SERIES M PP STANDARD Three-phase

Description	Turbine speed rpm.	Motor power kW	Max. flow rate (m3/h)	Max. Pressure (mmwc)	Sound pressure level (dB)*	Weight (Kg)	Maximum Intensity 400v(A)
Fan PP M-75 at 1500 rpm	1.500	0,06	75	5	52	3	0,25
Fan PP M-75 at 3000 rpm	3.000	0,09	180	16	64	3	0,31
Fan PP M-140 at 1500 rpm	1.500	0,06	250	30	64	6,5	0,37
Fan PP M-140 at 3000 rpm	3.000	0,09	365	30	60	6,5	0,31
Fan PP M-160 at 1500 rpm	1.500	0,25	500	14,8	58	16	0,76
Fan PP M-160 at 3000 rpm	3.000	0,37	1.000	55	64	16	0,95
Fan PP M-200 at 1000 rpm	1.000	0,25	1.000	10	62	15	0,79
Fan PP M-200 at 1500 rpm	1.500	0,37	1.750	20	66	15	0,96
Fan PP M-200 at 3000 rpm	3.000	1,5	2.000	100	81	24	2,9
Fan PP M-200VG at 1000 rpm	1.000	0,37	1.050	20,5	62	23	1,07
Fan PP M-200VG at 1500 rpm	1.500	0,55	1.750	50	66	23	1,41
Fan PP M-250 at 1500 rpm	1.500	1,5	2.500	35	72	38	3,3
Fan PP M-250 at 3000 rpm	3.000	5,5	5.050	160	100	95	11
Fan PP M-315 at 1000 rpm	1.000	1,5	3.000	31	76	55	3,6
Fan PP M-315 at 1500 rpm	1.500	2,2	5.000	50	77	57	4,6
Fan PP M-355 at 1000 rpm	1.000	2,2	4.000	50	82	74	5,3
Fan PP M-355 at 1500 rpm	1.500	4	7.000	75	86	76	8,8

*Sound pressure with free outlet at 1.5m



Fan M-75

Small fan specially suited for extraction in safety cabinets and extraction arms individually.



1Ph
3Ph

50hz

60hz

Data sheet M75 - 1500 rpm

Max. flow rate:	75 m ³ /h
Max. pressure:	5 mmca
Inlet diameter:	75 mm
Outlet diameter:	75 mm
Blades orientation:	Radial
Volute and turbine material:	PP
Weight:	3 Kg
Sound pressure:	52 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380 v
Power:	0,06 kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B14

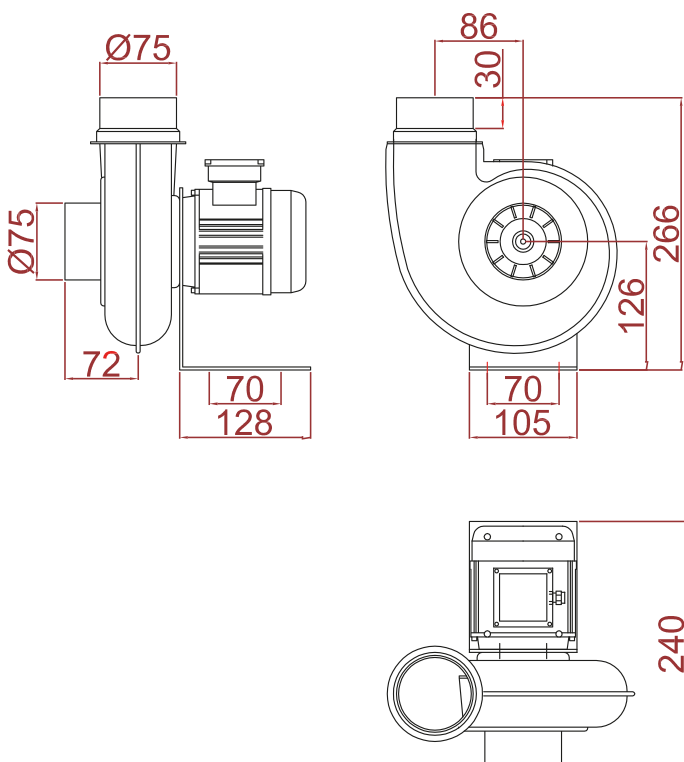
Data sheet M75 - 3000 rpm

Max. flow rate:	180 m ³ /h
Max. pressure:	16 mmca
Inlet diameter:	75 mm
Outlet diameter:	75 mm
Blades orientation:	Radial
Volute and turbine material:	PP
Weight:	3 Kg
Sound pressure:	64 dB

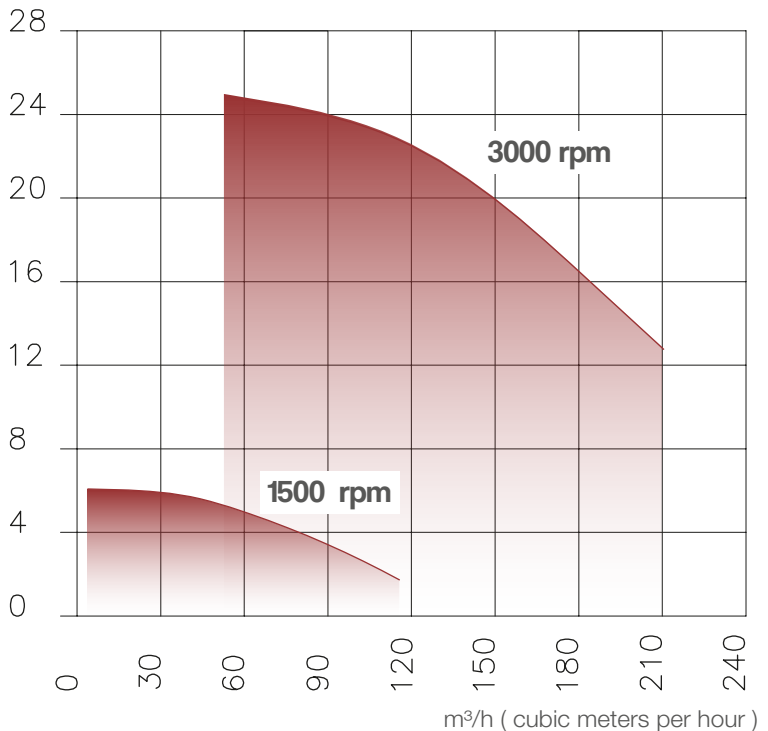
*With free outlet at 1.5m.

Motor:

Power supply:	380 v
Power:	0,09 kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B14



Pe (Static Pressure)
mmwc (Millimeters water column)



Tests carried out according to ISO 5801.

Fan M-140

Small fan specially suited for extraction in safety cabinets and extraction arms individually.



Data sheet M-140 1500 rpm

Max. flow rate:	250 m ³ /h
Max. pressure:	30 mmca
Inlet diameter:	140mm
Outlet diameter:	140mm
Blades orientation:	Forward
Volute and turbine material:	PP
Weight:	6,5Kg
Sound pressure:	56 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,06kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

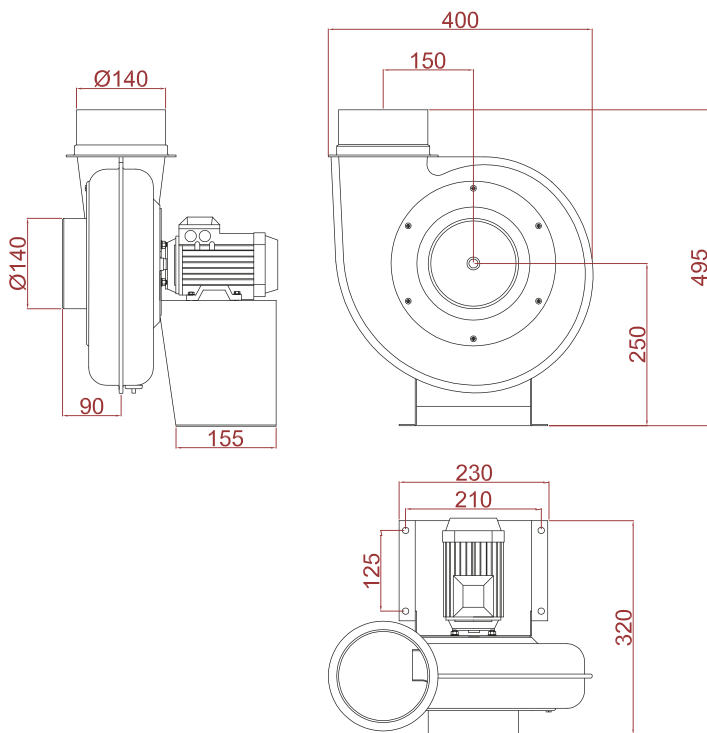
Data sheet M-140 3000 rpm

Max. flow rate:	365 m ³ /h
Max. pressure:	30 mmca
Inlet diameter:	140mm
Outlet diameter:	140mm
Blades orientation:	Forward
Volute and turbine material:	PP
Weight:	6,5Kg
Sound pressure:	60 dB

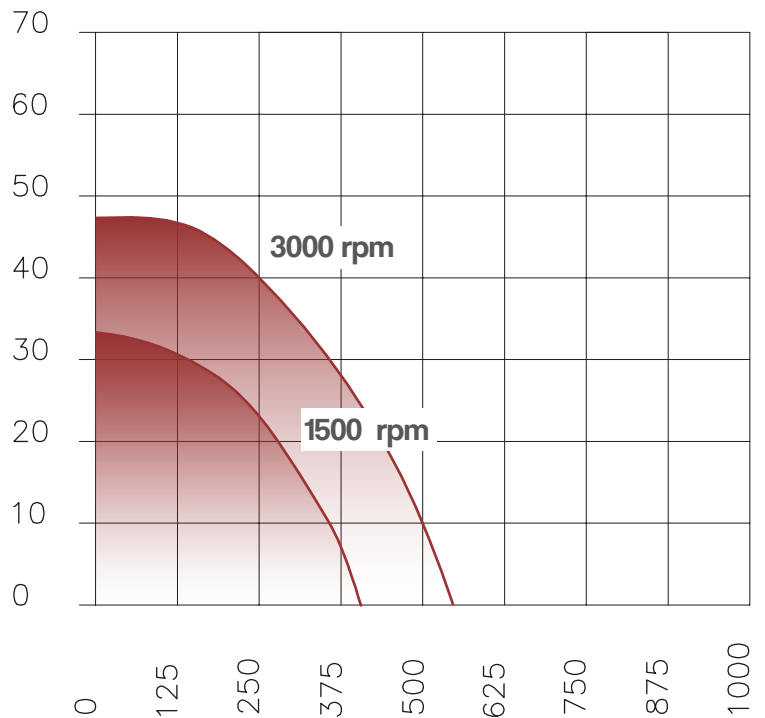
*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,09kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-160

The M-160 fan offers a wide range of flow rates and pressures depending on its 2-pole or 4-pole configuration. It is used for more complex extractions, arm or cabinet sets. Or even for some fume cupboards with simple extraction systems.



1Ph
3Ph

50hz

60hz

Data sheet M-160 1500 rpm

Max. flow rate:	500 m ³ /h
Max. pressure:	14,8 mmca
Inlet diameter:	160 mm
Outlet diameter:	160 mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	16 Kg
Sound pressure:	58 dB

*With free outlet at 1.5m.

Data sheet M-160 3000 rpm

Max. flow rate:	1000m ³ /h
Max. pressure:	55 mmca
Inlet diameter:	160 mm
Outlet diameter:	160 mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	16 Kg
Sound pressure:	64 dB

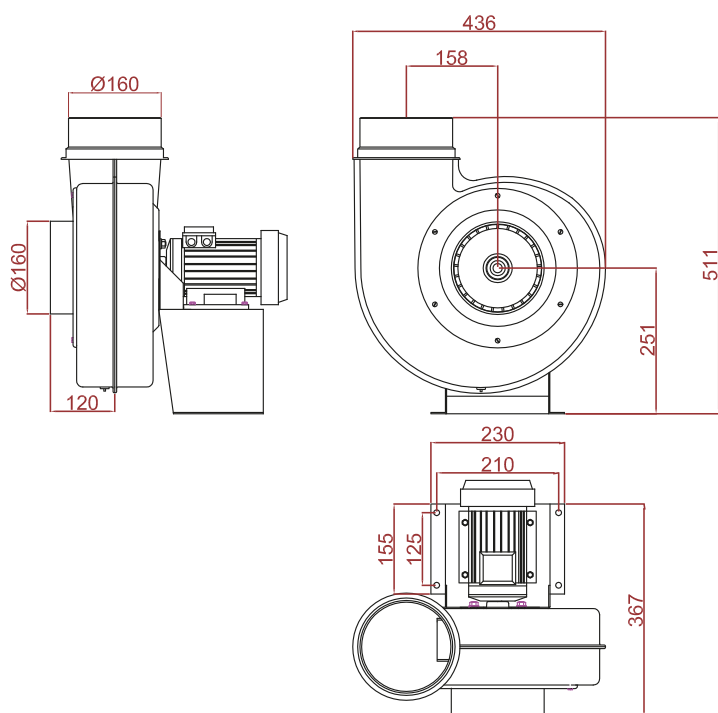
*With free outlet at 1.5m.

Motor:

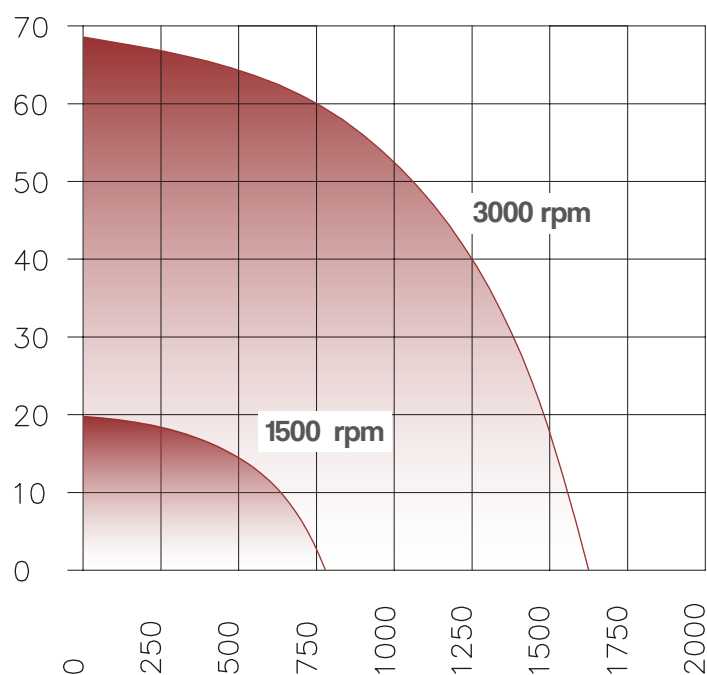
Power supply:	380v
Power:	0,25kW
RPM:	1365
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Motor:

Power supply:	380v
Power:	0,37kW
RPM:	2800
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.

Fan M-200

Medium sized fan used for fume cupboard extraction, for individual fume cupboard extractions it offers a reduced consumption while being a silent fan with its 4-pole and 6-pole configurations. The 3000rpm configuration offers a higher performance of flow rates and pressure for more complex extractions with higher pressure drop.



Data sheet M-200 1000 rpm

Max. flow rate:	1000 m³/h
Max. pressure:	10 mmca
Inlet diameter:	200 mm
Outlet diameter:	200 mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	15Kg
Sound pressure:	62 dB
<small>*With free outlet at 1.5m.</small>	

Data sheet M-200 1500 rpm

Max. flow rate:	1750 m³/h
Max. pressure:	20 mmca
Inlet diameter:	200mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	15Kg
Sound pressure:	66 dB
<small>*With free outlet at 1.5m.</small>	

Data sheet M-200 3000 rpm

Max. flow rate:	2000 m³/h
Max. pressure:	100 mmca
Inlet diameter:	200mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	24Kg
Sound pressure:	81 dB
<small>*With free outlet at 1.5m.</small>	



Motor:

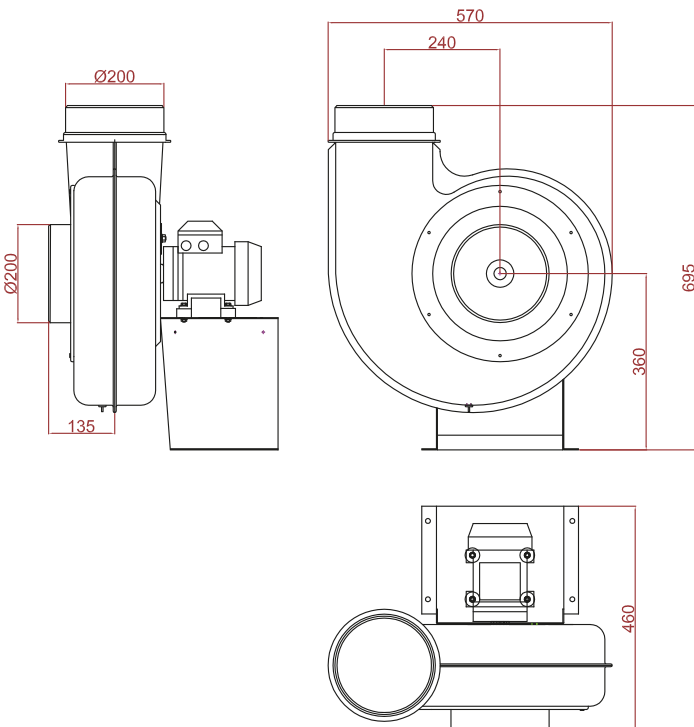
Power supply:	380v
Power:	0,25kW
RPM:	1000
Number of poles:	6
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Motor:

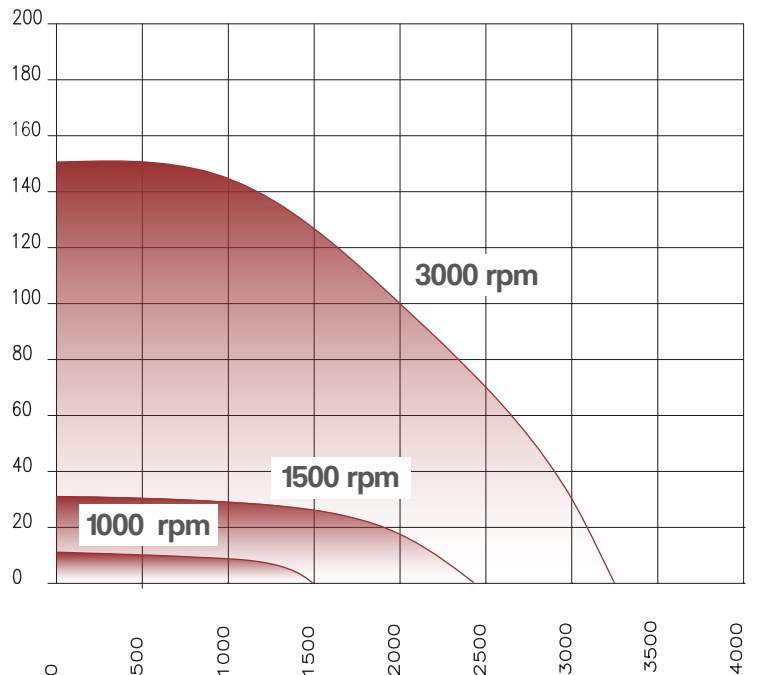
Power supply:	380v
Power:	0,37kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Motor:

Power supply:	380v
Power:	1,5kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-200 VG



Fan specially designed for extractions of fume cupboards or other systems with a pressure higher than the M-200 Standard model. Its 4-pole and 6-pole configuration makes it a good choice for conveying air at low speeds. Different diameters inlet and outlet.



Data sheet M-200VG 1000 rpm

Max. flow rate:	1050 m ³ /h
Max. pressure:	20,5 mmca
Inlet diameter:	250mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	23Kg
Sound pressure:	62 dB
*With free outlet at 1.5m.	

Motor:

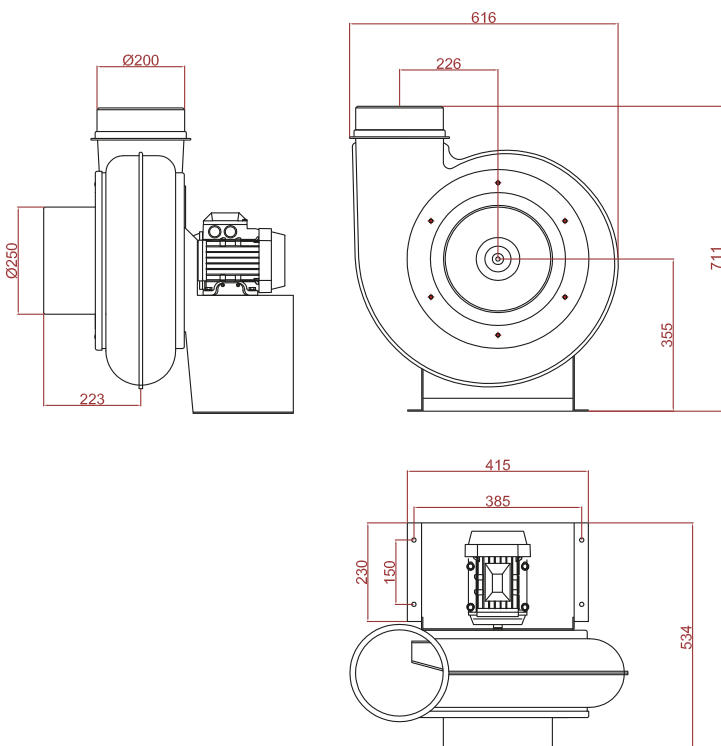
Power supply:	380v
Power:	0,37kW
RPM:	905
Number of poles:	6
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Data sheet M-200VG 1500 rpm

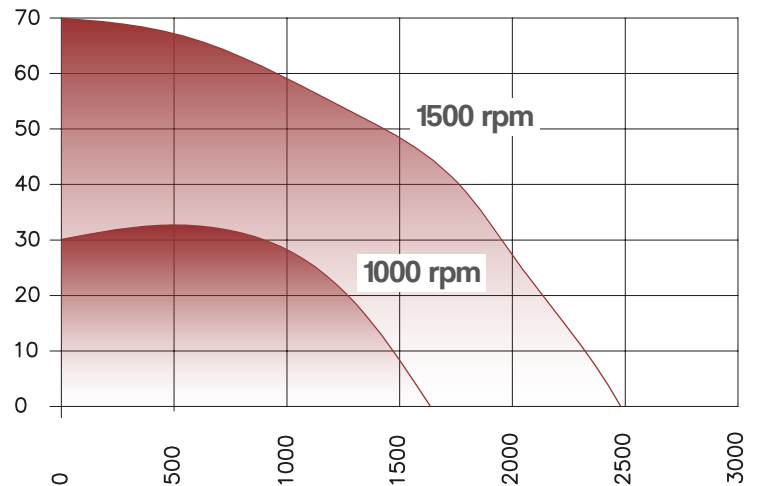
Max. flow rate:	1750 m ³ /h
Max. pressure:	50 mmca
Inlet diameter:	250mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	23Kg
Sound pressure:	66 dB
*With free outlet at 1.5m.	

Motor:

Power supply:	380v
Power:	0,55kW
RPM:	1375
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.

Fan M-250 1500rpm

Fan used for the extraction of a set of cupboards or units. Higher flow rate than previous models with low pressures.

Data sheet M-250 1500 rpm

Max. flow rate:	2500 m ³ /h
Max. pressure:	35 mmca
Inlet diameter:	250mm
Outlet diameter:	250mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	38Kg
Sound pressure:	72 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	1,5kW
RPM:	1435
Number of poles:	4
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3

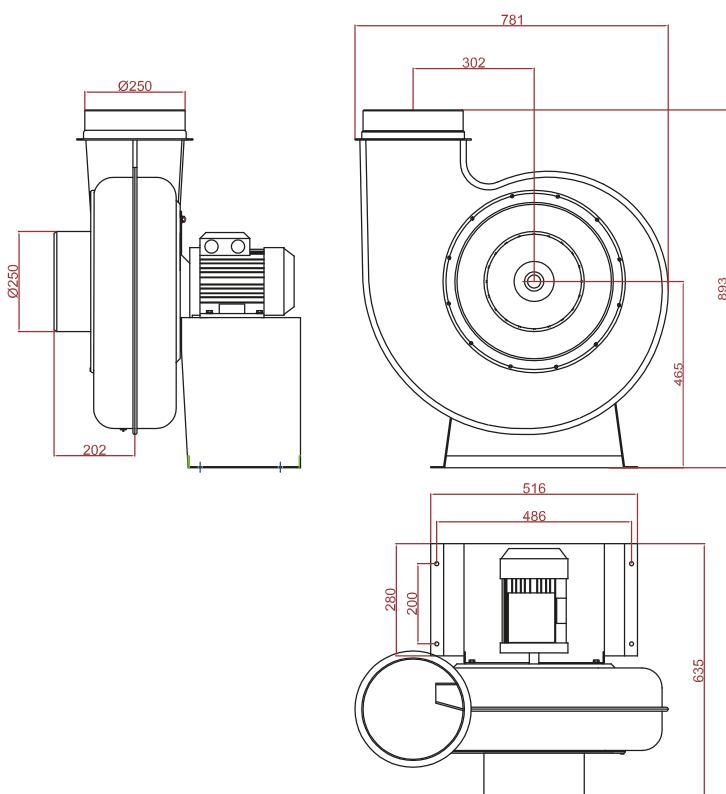


1Ph
3Ph

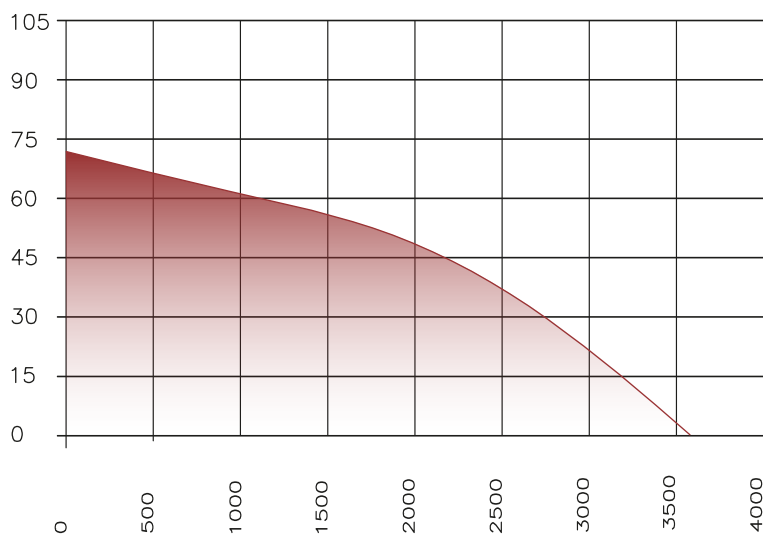
50hz

60hz

IE3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-250 3000rpm

High power fan with 2-pole configuration. Fan used for industrial solutions where high pressures and flow rates are required. Very high duct speeds.



Data sheet M250 3000 rpm

Max. flow rate:	5050 m ³ /h
Max. pressure:	160 mmca
Inlet diameter:	250mm
Outlet diameter:	250mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	95Kg
Sound pressure:	100 dB

*With free outlet at 1.5m.

Motor:

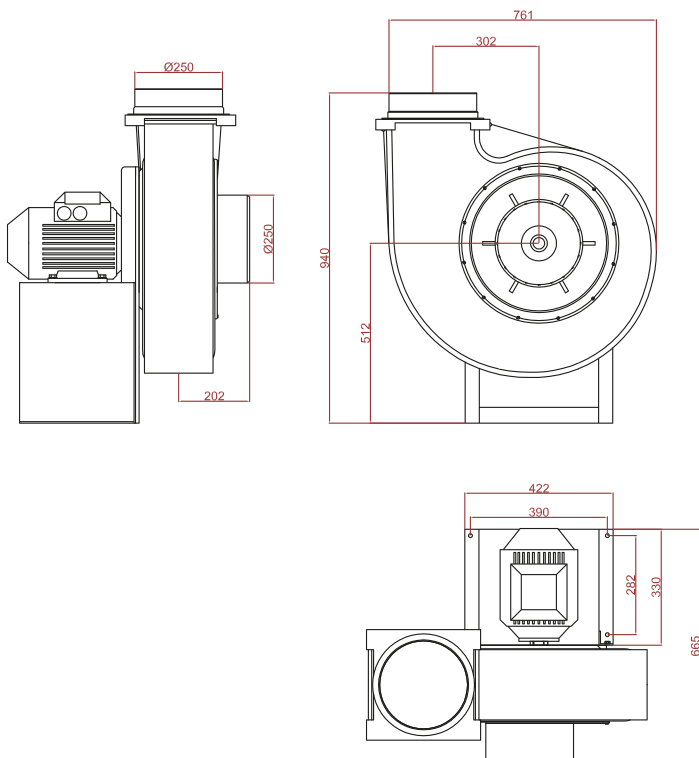
Power supply:	380v
Power:	5,5kW
RPM:	2880
Number of poles:	2
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3

3Ph

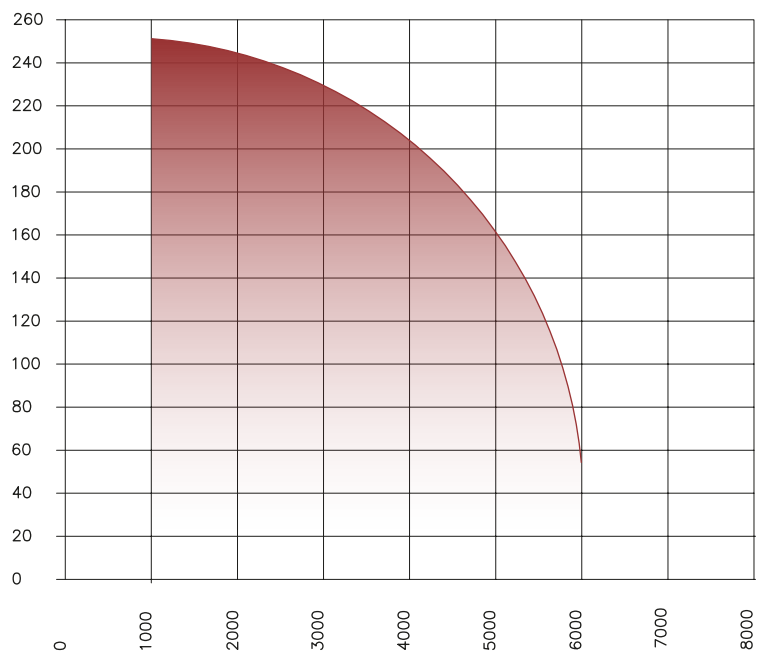
50hz

60hz

IE3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.

Fan M-315

Large-sized fan designed for more complex extraction systems, for cupboard sets, extractions of large hoods or room air renovations. Maximum flow rates of 6500m³/h. Manipulated volute, which gives it a long durability. Available with two orientations LD and RD (See diagrams).



Data sheet M315 1000 rpm

Max. flow rate:	3000 m ³ /h
Max. pressure:	31 mmca
Inlet diameter:	315mm
Outlet diameter:	Rectangular
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	55Kg
Sound pressure:	76 dB

*With free outlet at 1.5m.

Data sheet M315 1500 rpm

Max. flow rate:	5000 m ³ /h
Max. pressure:	50 mmca
Inlet diameter:	315mm
Outlet diameter:	Rectangular
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	57Kg
Sound pressure:	77 dB

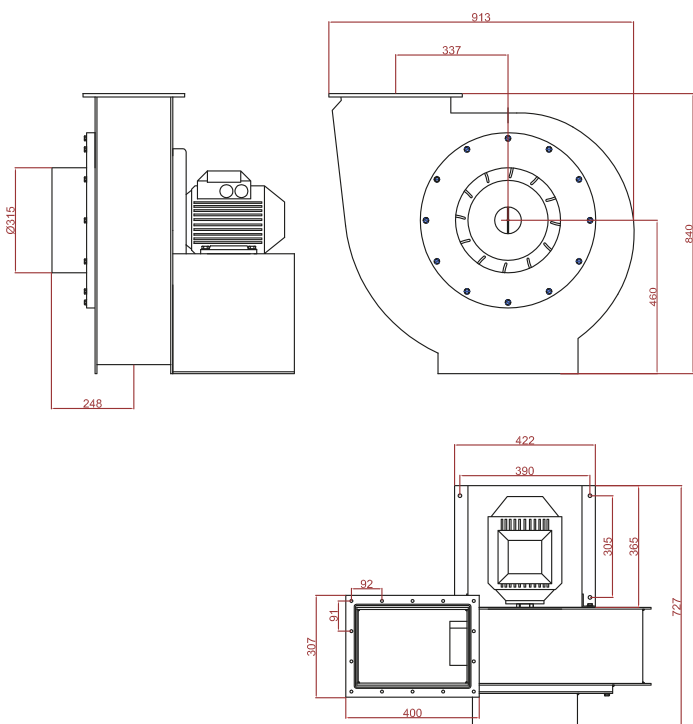
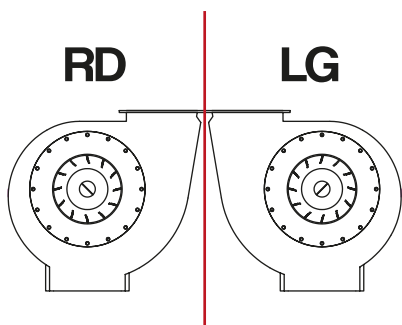
*With free outlet at 1.5m.

Motor:

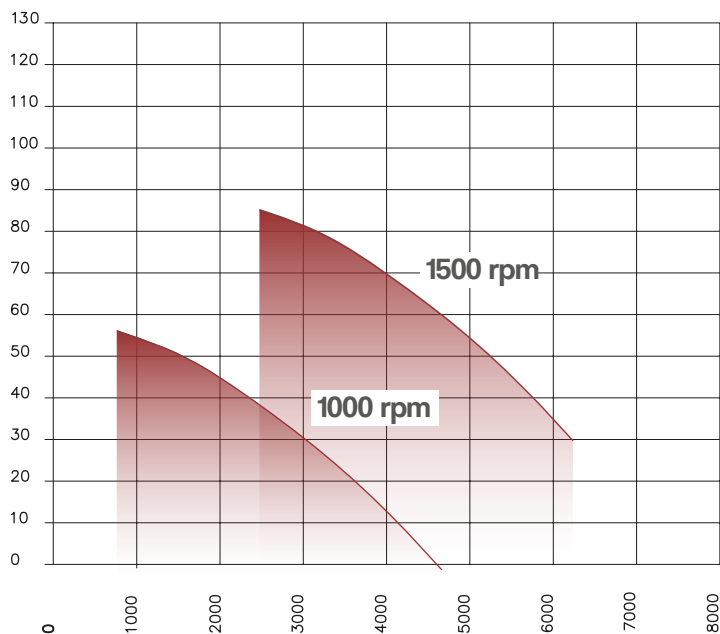
Power supply:	380v
Power:	1,5kW
RPM:	1000
Number of poles:	6
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3

Motor:

Power supply:	380v
Power:	2,2kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-355

Large-sized fan designed for more complex extraction systems, for cupboard sets, extractions of large hoods or room air renovations. Maximum flow rates of 8500m³/h. Manipulated volute, which gives it a long durability. Available with two orientations LD and RD (See diagrams).



Data sheet M355 1000 rpm

Max. flow rate:	4000 m ³ /h
Max. pressure:	50mmca
Inlet diameter:	355mm
Outlet diameter:	Rectangular
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	74Kg
Sound pressure:	82 dB

*With free outlet at 1.5m.

Data sheet M355 1500 rpm

Max. flow rate:	7000 m ³ /h
Max. pressure:	75 mmca
Inlet diameter:	355mm
Outlet diameter:	Rectangular
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	76Kg
Sound pressure:	86 dB

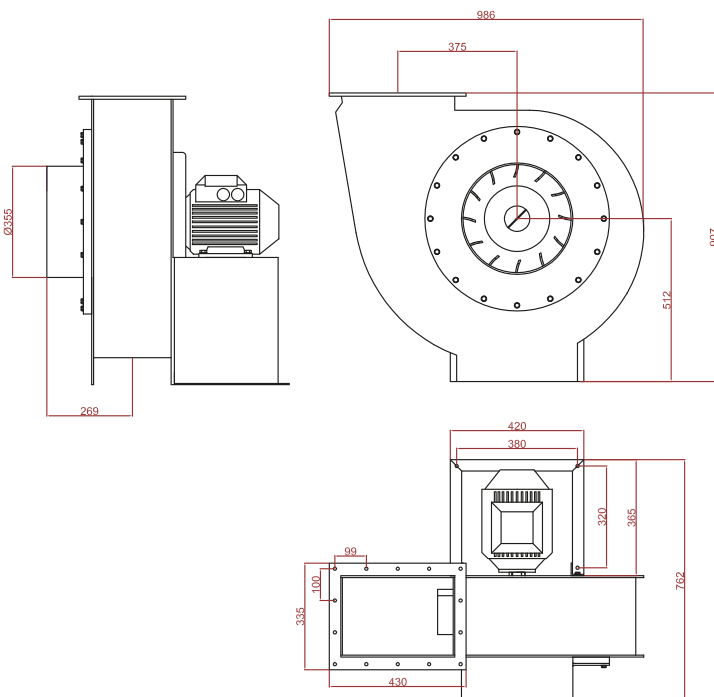
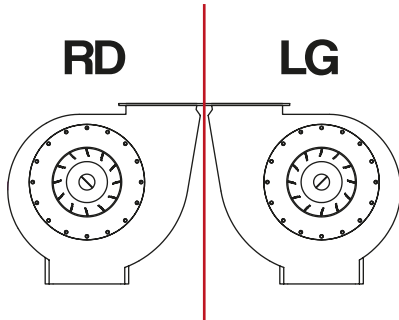
*With free outlet at 1.5m.

Motor:

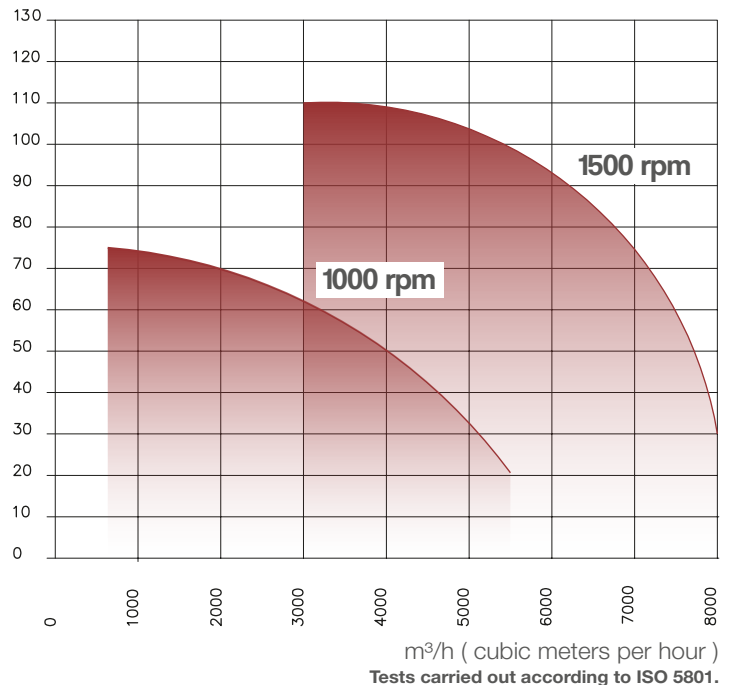
Power supply:	380v
Power:	1,5kW
RPM:	1000
Number of poles:	6
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3

Motor:

Power supply:	380v
Power:	4kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B3



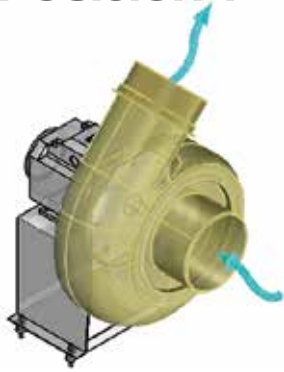
Pe (Static Pressure)
mmwc (Millimeters water column)



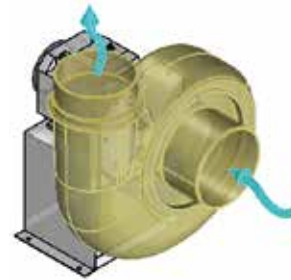


Fan positions

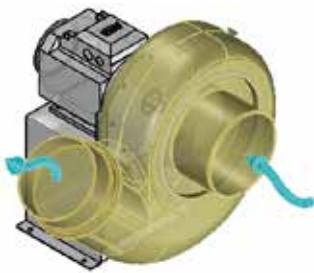
Position 1



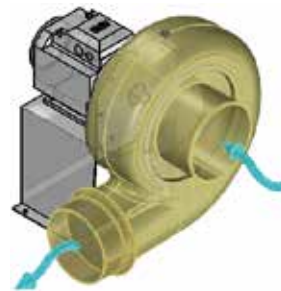
Position 2



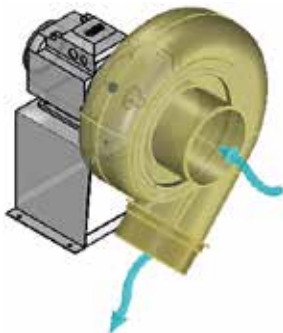
Position 3



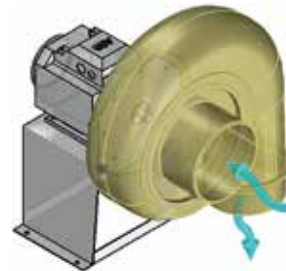
Position 4



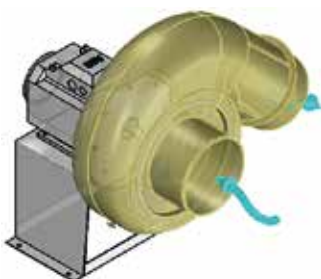
Position 5



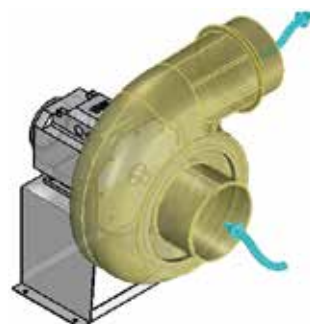
Position 6



Position 7



Position 8



Fans SERIES M PP Single-phase



Simple aspiration centrifugal fans, made of polypropylene with great resistance to chemical attacks used for the extraction of corrosive gases. Turbines with forward or backward blades, depending on the model, directly coupled to the motor shaft, protection IP55, Class F. Maximum recommended working temperatures between -10°C and +65°C.

***The ECODESIGN Directive 2009/125/EC does not apply to the range of anticorrosive fans.**

***Mounting with flanges only under request (Without bedplates)**

Motors:

- With 2, 4 and 6 poles, depending on the version.
- Standard Single Phase Models 230V-50Hz

***Special windings 60Hz on request, performance curves different from those of the catalogue. Make a request to Quimpol.**

SERIES M PP STANDARD - Single-phase

Description	Turbine speed r.p.m.	Motor power kW	Max. flow rate (m ³ /h)	Max. Pressure (mmwc)	Sound pressure (dB)*	Weight (Kg)	Maximum Intensity 230v(A)
Fan PP M-75 at 1500 rpm Single-phase	1.500	0,06	75	5	52	3	0,6
Fan PP M-75 at 3000 rpm Single-phase	3.000	0,09	180	16	64	3	0,8
Fan PP M-140 at 1500 rpm Single-phase	1.500	0,06	250	30	64	6,5	0,8
Fan PP M-140 at 3000 rpm Single-phase	3.000	0,09	365	30	60	6,5	0,8
Fan PP M-160 at 1500 rpm Single-phase	1.500	0,25	500	14,8	58	10	1,7
Fan PP M-160 at 3000 rpm Single-phase	3.000	0,37	1.000	55	64	10	2,6
Fan PP M-200 at 1000 rpm Single-phase	1.000	0,25	1.000	10	62	15	2
Fan PP M-200 at 1500 rpm Single-phase	1.500	0,37	1.750	20	66	15	2
Fan PP M-200 at 3000 rpm Single-phase	3.000	1,5	2.000	100	81	24	9,37
Fan PP M-200VG 1000rpm Single-phase	1.000	0,37	1.050	20,5	62	23	2,78
Fan PP M-200VG 1500rpm Single-phase	1.500	0,55	1.750	50	66	23	3,7
Fan PP M-250 at 1500 rpm Single-phase	1.500	1,5	2.500	35	72	38	8,5
Fan PP M-315 at 1000 rpm Single-phase	1.000	1,5	3.000	31	76	57	7,3
Fan PP M-315 at 1500 rpm Single-phase	1.500	2,2	5.000	50	77	57	12,9

*Sound pressure with free outlet at 1.5m

Fans SERIES M ATEX PP-EL-S



SERIE M - ATEX PP-EL-S Anticorrosive centrifugal fans with simple aspiration and corrosion-resistant, used for the extraction of corrosive gases, made of PP-EL-S electroconductive polypropylene, with turbine with forward and backward blades, depending on the model, directly coupled to the motor shaft, IP65. Fans designed to work in zones classified as Zone 1 Indoor and 2 Outdoor according to European Directive 2014/34/EU of 2016. Working temperature from -10°C to +60°C.

***The ECODESIGN Directive 2009/125/EC does not apply to the range of anticorrosive fans.**

Motors:

With 2, 4 and 6 poles, depending on the version.

Standard supply voltage 230-400v 50Hz.

***60Hz special windings under request. Single-phase models 230V 50/60Hz, on request.**

Increased safety motor

II 2G EEx-e II T3

Explosion-proof motor

II 2G EEx-d IIC T4 IP-65 with PTC probe.

***PTC probe (Positive Temperature Coefficient). Resistive temperature sensor.**

SERIES M - ATEX PP-EL-S

Description	Turbine speed rpm.	Motor power kW	Max. flow rate (m ³ /h)	Max. Pressure (mmwc)	Sound pressure (dB)*	Weight (Kg)	Maximum Intensity 400v(A)
Fan PP M-75 at 3000 rpm ATEX	3.000	0,12	180	16	64	3	0,31
Fan PP M-140 at 1500 rpm ATEX	1.500	0,09	250	30	64	6,5	0,37
Fan PP M-140 at 3000 rpm ATEX	3.000	0,12	365	30	60	6,5	0,31
Fan PP M-160 at 1500 rpm ATEX	1.500	0,25	500	14,8	58	10	0,76
Fan PP M-160 at 3000 rpm ATEX	3.000	0,37	1.000	55	64	10	0,95
Fan PP M-200 at 1000 rpm ATEX	1.000	0,25	1.000	10	62	15	0,79
Fan PP M-200 at 1500 rpm ATEX	1.500	0,37	1.750	20	66	15	0,96
Fan PP M-200 at 3000 rpm ATEX	3.000	1,5	2.000	100	81	24	2,9
Fan PP M-200VG at 1000rpm ATEX	1.000	0,37	1.050	20,5	62	23	1,07
Fan PP M-200VG at 1500 rpm ATEX	1.500	0,55	1.750	50	66	23	1,41
Fan PP M-250 at 1500 rpm ATEX	1.500	1,5	2.500	35	72	38	3,3
Fan PP M-250 at 3000 rpm ATEX	3.000	5,5	5.050	160	100	95	11
Fan PP M-315 at 1000 rpm ATEX	1.000	1,5	3.000	31	76	57	3,6
Fan PP M-315 at 1500 rpm ATEX	1.500	2,2	5.000	50	77	57	4,6
Fan PP M-355 at 1000 rpm ATEX	1.000	2,2	4.000	50	82	76	5,3
Fan PP M-355 at 1500 rpm ATEX	1.500	4	7.000	75	86	76	8,8

*Sound pressure with free outlet at 1.5m

Fans SERIES M PP Flange



Simple aspiration centrifugal fans, made of polypropylene with great resistance to chemical attacks used for the extraction of corrosive gases. Fans without bedplate with support through PP flange at the inlet. Turbines with forward or backward blades, depending on the model, directly coupled to the motor shaft, protection IP55, Class F. Maximum recommended working temperatures between -10°C and +65°C. Motors with IE2 efficiency up to 0.55kW. Superior models with IE3 efficiency.

***The ECODESIGN Directive 2009/125/EC does not apply to the range of anticorrosive fans.**

Motors:

- With 2, 4 and 6 poles, depending on the version.
- Standard supply voltage 230-400v 50Hz.
- *60Hz special windings under request.
- Single-phase models 230V-50Hz, under request.
- Motors with powers higher than 0.55kW IE3 energy efficiency.

TYPICAL PRODUCTS FOR FAN APPLICATIONS IN PP

Sulfuric Acid, Nitric Acid, Hydrofluoric Acid, Hydrochloric Acid, Soda, Ethanol, Methanol, Benzene.

SERIES M PP STANDARD - Flange

Description	Turbine speed r.p.m.	Motor power kW	Max. flow rate (m3/h)	Max. Pressure (mmca)	Sound pressure (dB)*	Weight (Kg)	Maximum current 230v (A)	Maximum Intensity 400v (A)
Fan PP M-75 at 1500 rpm Flange	1.500	0,06	75	5	52	3	0,6	0,25
Fan PP M-75 at 3000 rpm Flange	3.000	0,09	180	16	64	3	0,8	0,31
Fan PP M-140 at 1500 rpm Flange	1.500	0,06	250	30	64	6,5	0,8	0,37
Fan PP M-140 at 3000 rpm Flange	3.000	0,09	365	30	60	6,5	0,8	0,31
Fan PP M-160 at 1500 rpm Flange	1.500	0,25	500	14,8	58	16	1,7	0,76
Fan PP M-160 at 3000 rpm Flange	3.000	0,37	1.000	55	64	16	2,6	0,95
Fan PP M-200 at 1000 rpm Flange	1.000	0,25	1.000	10	62	15	2	0,79
Fan PP M-200 at 1500 rpm Flange	1.500	0,37	1.750	20	66	15	2	0,96
Fan PP M-200 at 3000 rpm Flange	3.000	1,5	2.000	100	81	24	9,37	2,9
PP fan M-200VG at 1000 rpm Flange	1.000	0,37	1.050	20,5	62	23	2,78	1,07
PP fan M-200VG at 1500 rpm Flange	1.500	0,55	1.750	50	66	23	3,7	1,41

*Sound pressure with free outlet at 1.5m

Fan M-75 Flange



1Ph
3Ph

50hz

60hz

Data sheet M-75 - 1500 rpm

Max. flow rate:	75 m ³ /h
Max. pressure:	5 mmca
Inlet diameter:	75mm
Outlet diameter:	75mm
Blades orientation:	Radial
Volute and turbine material:	PP
Weight:	3Kg
Sound pressure:	52 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,06kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B13

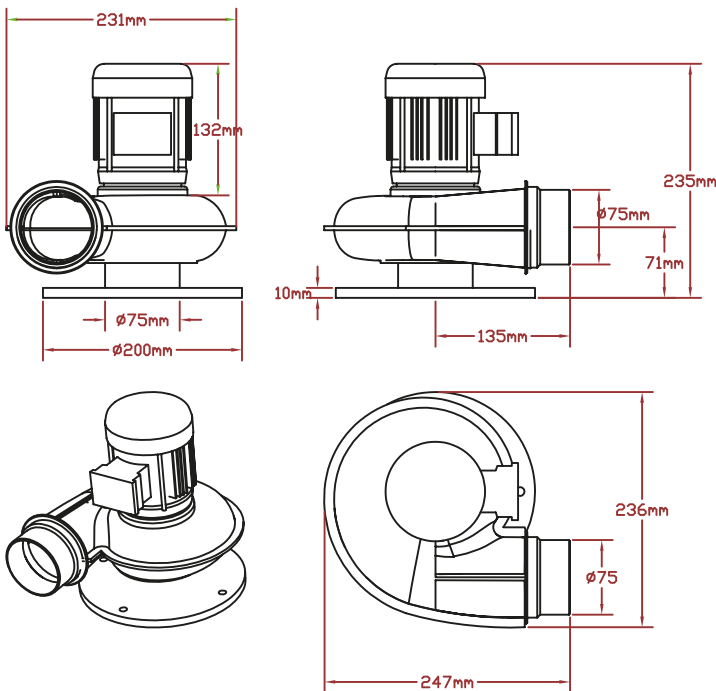
Data sheet M-75 - 3000 rpm

Max. flow rate:	180 m ³ /h
Max. pressure:	16 mmca
Inlet diameter:	75mm
Outlet diameter:	75mm
Blades orientation:	Radial
Volute and turbine material:	PP
Weight:	3Kg
Sound pressure:	64 dB

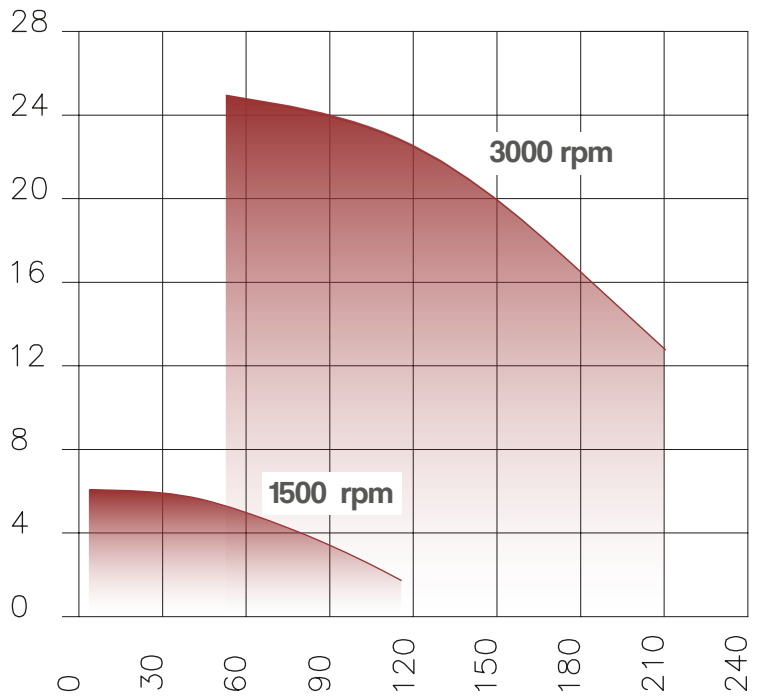
*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,09kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B13



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-140 Flange



1Ph
3Ph

50hz

60hz

Data sheet M-140 1500 rpm

Max. flow rate:	250 m ³ /h
Max. pressure:	30 mmca
Inlet diameter:	140mm
Outlet diameter:	140mm
Blades orientation:	Forward
Volute and turbine material:	PP
Weight:	6,5Kg
Sound pressure:	64 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,06kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B5

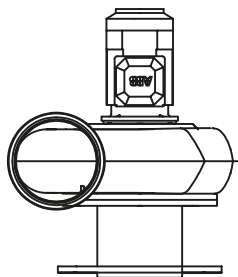
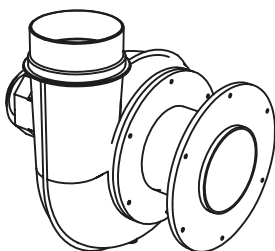
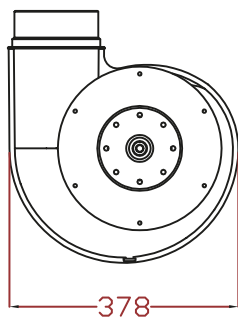
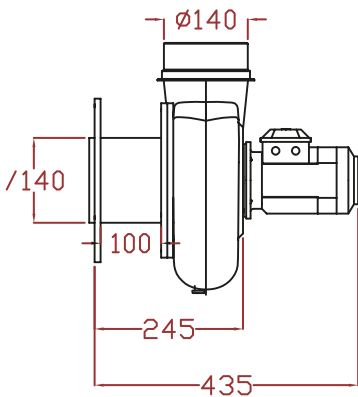
Data sheet M-140 3000 rpm

Max. flow rate:	365 m ³ /h
Max. pressure:	30 mmca
Inlet diameter:	140mm
Outlet diameter:	140mm
Blades orientation:	Forward
Volute and turbine material:	PP
Weight:	6,5Kg
Sound pressure:	60 dB

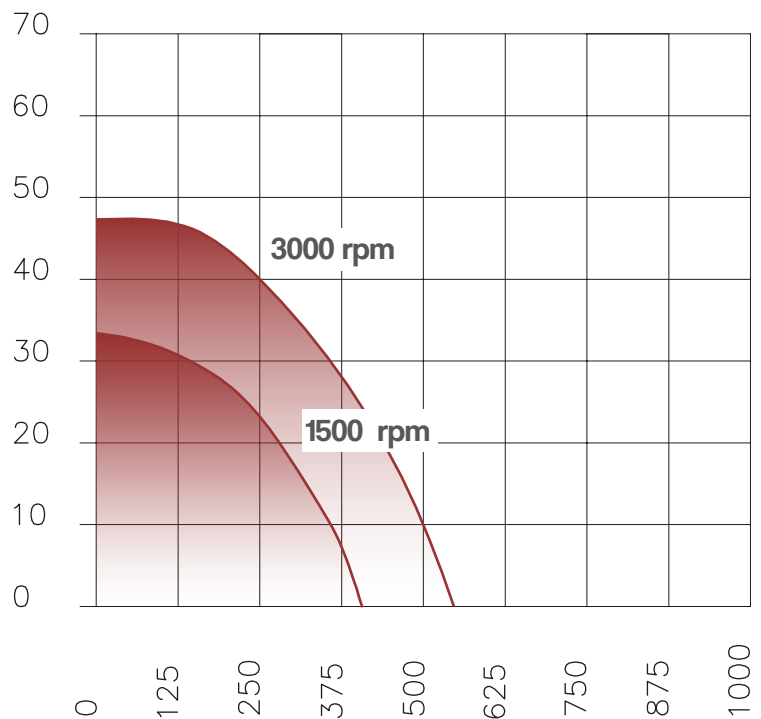
*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,09kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B5



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



- Series M PP standard Flange -

Fan M-160 Flange



Data sheet M-160 1500 rpm

Max. flow rate:	500 m ³ /h
Max. pressure:	14.8 mmca
Inlet diameter:	160mm
Outlet diameter:	160mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	16Kg
Sound pressure:	58 dB

*With free outlet at 1.5m.

Motor:

Power supply:	380v
Power:	0,25kW
RPM:	1365
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Data sheet M-160 3000 rpm

Max. flow rate:	1000 m ³ /h
Max. pressure:	55 mmca
Inlet diameter:	160mm
Outlet diameter:	160mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	16Kg
Sound pressure:	64 dB

*With free outlet at 1.5m.

Motor:

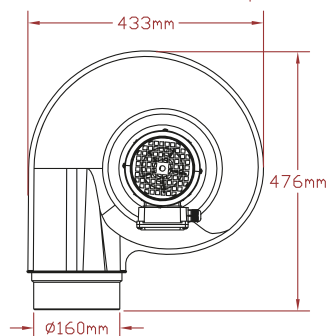
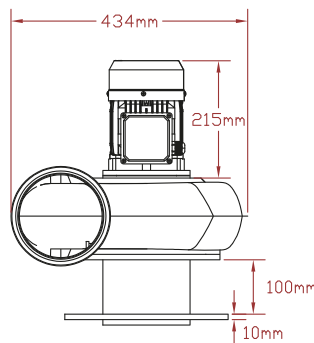
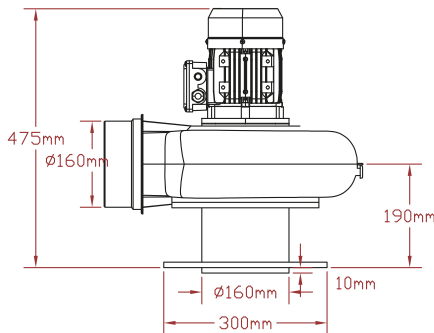
Power supply:	380v
Power:	0,37kW
RPM:	2800
Number of poles:	2
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3



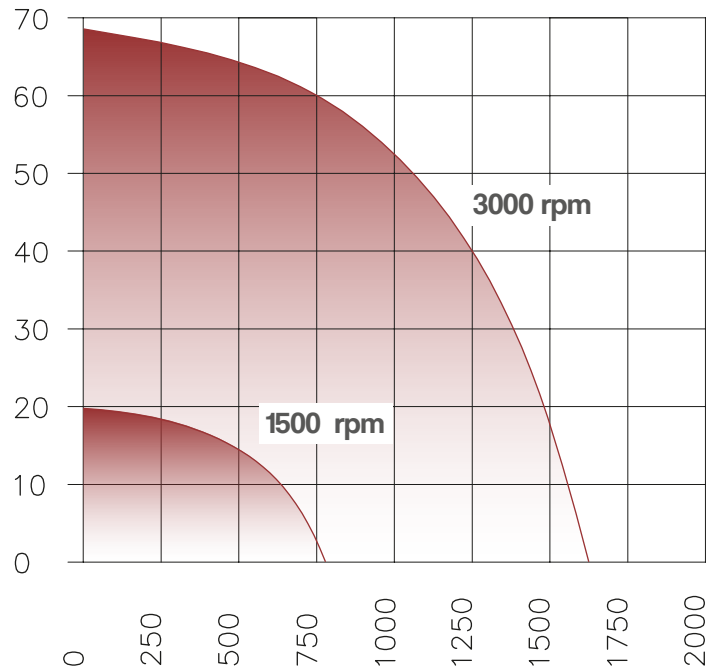
1Ph
3Ph

50hz

60hz



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



Fan M-200 Flange



Data sheet M-200 1000 rpm

Max. flow rate:	1000 m ³ /h
Max. pressure:	10 mmca
Inlet diameter:	200mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	15Kg
Sound pressure:	62 dB

*With free outlet at 1.5m.

Data sheet M-200 1500 rpm

Max. flow rate:	1750 m ³ /h
Max. pressure:	20 mmca
Inlet diameter:	200mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	15Kg
Sound pressure:	66 dB

*With free outlet at 1.5m.

Data sheet M-200 3000 rpm

Max. flow rate:	2000 m ³ /h
Max. pressure:	100 mmca
Inlet diameter:	200mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	24Kg
Sound pressure:	81 dB

*With free outlet at 1.5m.



1Ph
3Ph

50hz

60hz

IE3

Motor:

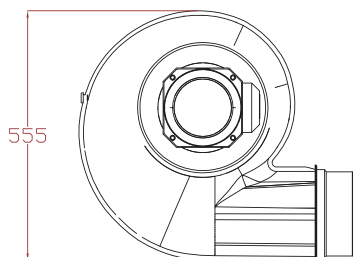
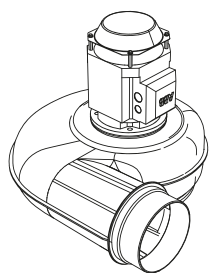
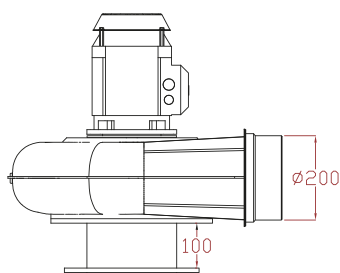
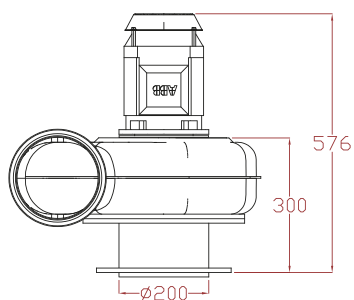
Power supply:	380v
Power:	0,25kW
RPM:	1500
Number of poles:	6
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B5

Motor:

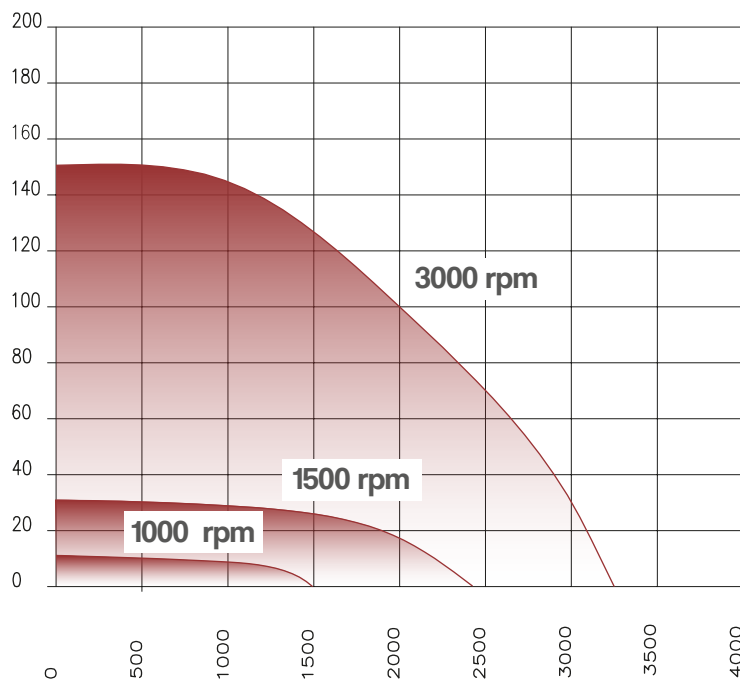
Power supply:	380v
Power:	0,37kW
RPM:	1500
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B5

Motor:

Power supply:	380v
Power:	1,5kW
RPM:	3000
Number of poles:	2
Efficiency level:	IE3
Protection:	IP55
Anchorage:	B5



Pe (Static Pressure)
mmwc (Millimeters water column)



m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



- Series M PP standard Flange -

Fan M-200VG Flange



Data sheet M-200VG 1000 rpm

Max. flow rate:	1050 m ³ /h
Max. pressure:	20,5 mmca
Inlet diameter:	250mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	23Kg
Sound pressure:	62 dB

*With free outlet at 1.5m.

Data sheet M-200VG 1500 rpm

Max. flow rate:	1750 m ³ /h
Max. pressure:	50 mmca
Inlet diameter:	250mm
Outlet diameter:	200mm
Blades orientation:	Backward
Volute and turbine material:	PP
Weight:	21Kg
Sound pressure:	66 dB

*With free outlet at 1.5m.



1Ph
3Ph

50hz

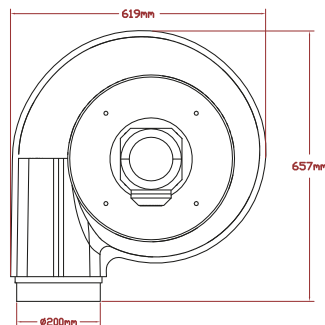
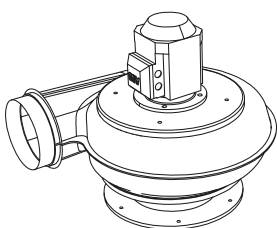
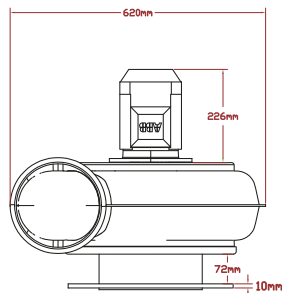
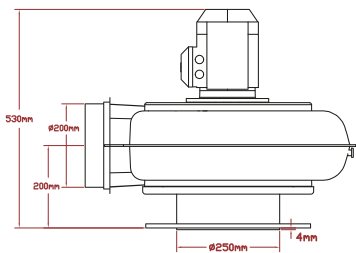
60hz

Motor:

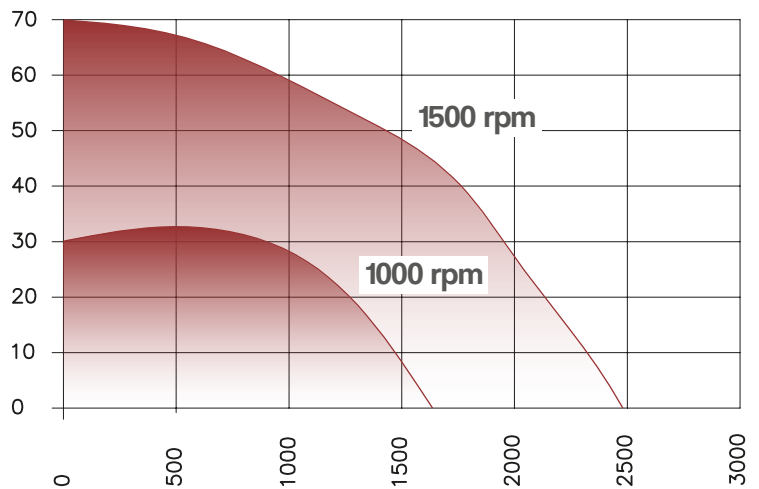
Power supply:	380v
Power:	0,37kW
RPM:	905
Number of poles:	6
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3

Motor:

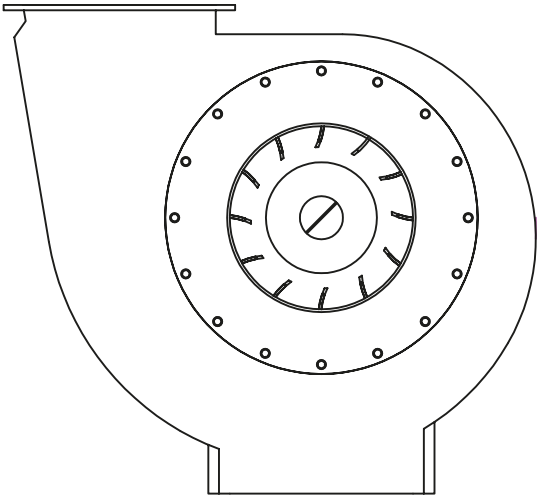
Power supply:	380v
Power:	0,55kW
RPM:	1750
Number of poles:	4
Efficiency level:	IE2
Protection:	IP55
Anchorage:	B3



Pe (Static Pressure)
mmwc (Millimeters water column)



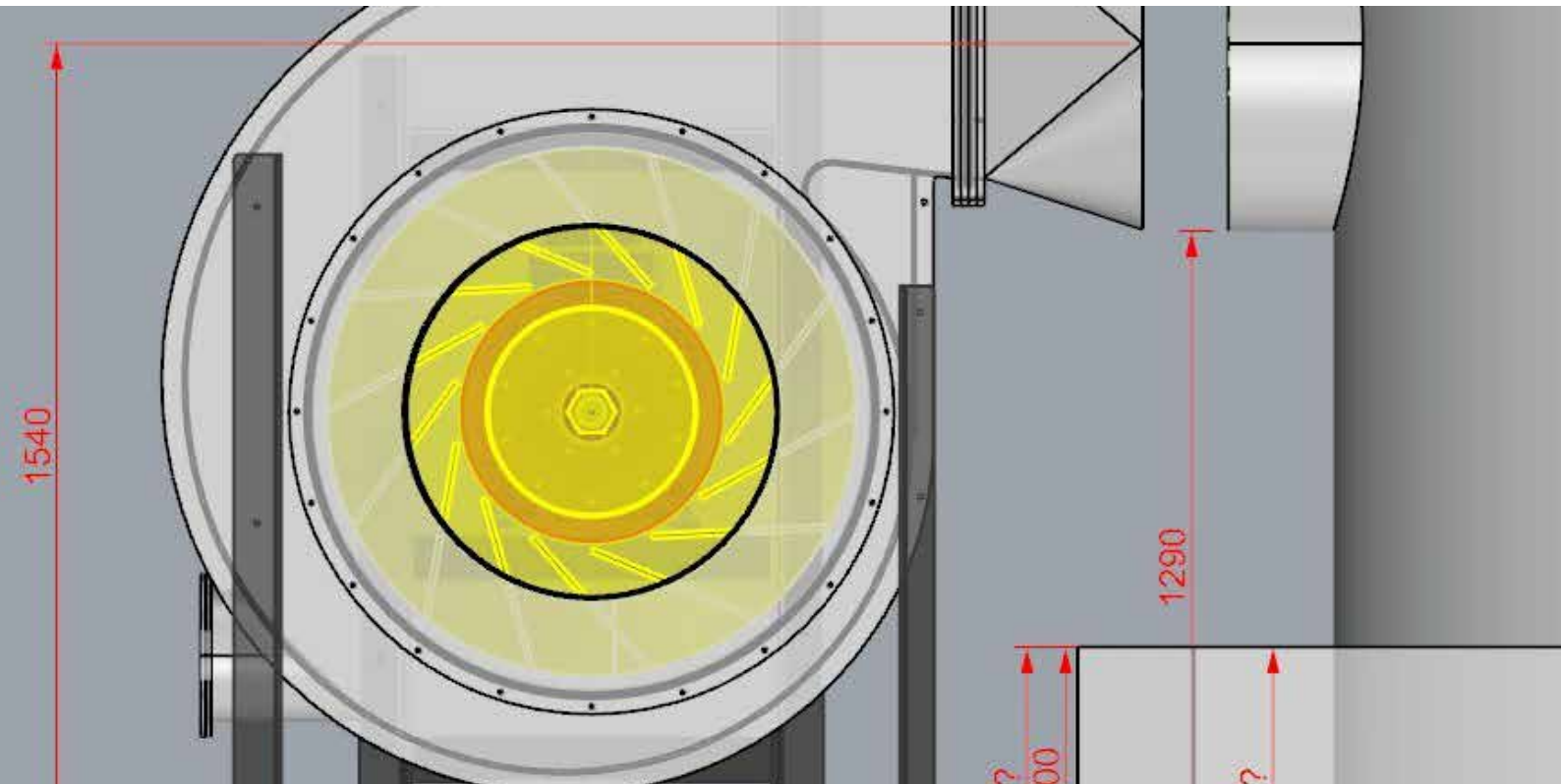
m³/h (cubic meters per hour)
Tests carried out according to ISO 5801.



FANS

SERIES BPR

STANDARD



The BPR Quimipol fan range consists of large-sized fans. These centrifugal fans are designed and manufactured according to customer requirements. For the development of these units, Quimipol works with CFTurbo, a software for the calculation of finite elements.

Fan SERIES BPR PP Standard

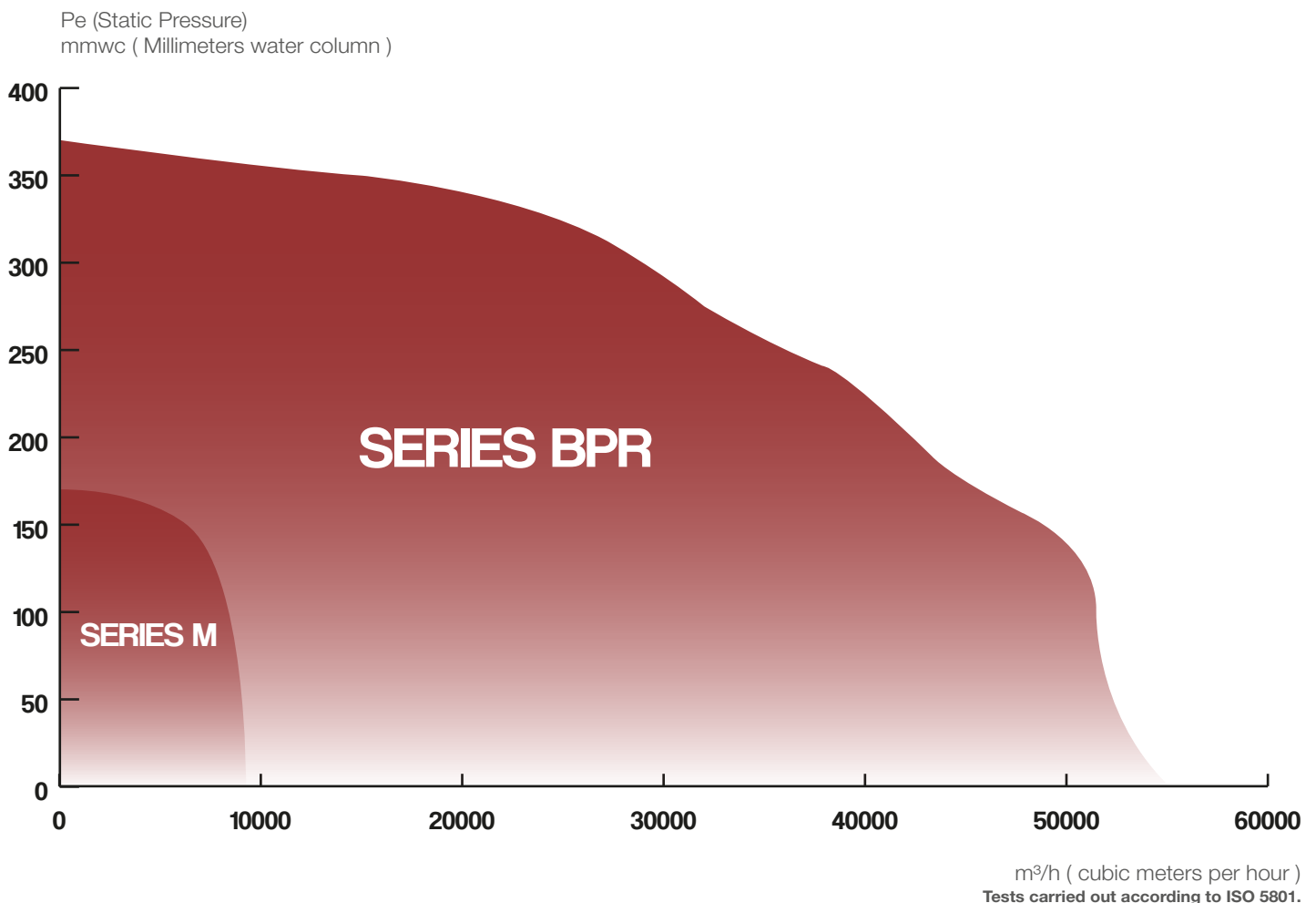


Anticorrosive centrifugal fans of simple aspiration of low and medium pressures, corrosion-resistant and custom-built for the extraction of corrosive gases, made of plastic materials with great resistance to corrosion. Turbines with forward or backward blades depending on the performance required. These fans are custom designed and manufactured with the support of the CAE CFTurbo software. High performance fans with great durability.

***Range of flow rates and pressures available for each fan series. In case the working point is out of the area, please contact Quimipol at info@quimipol.com**

Quimipol BPR Series industrial fans are designed for industrial applications where the extraction of large volumes of corrosive air is required. It is recommended that they be controlled by a variable frequency drive (VFD)

FLOW RATES PER FAN RANGE



Fans models and features

Models	BPR-50 BPR-60 BPR-70 BPR-80 BPR-90
Power	5,5-55kW
Revolutions/Min	750-1000-1500-3000rpm
Tension	230-400v or 400-690v 50Hz (depending on motor power).
Transmission	Direct or indirect
Inlet/outlet diameter	From Ø 400mm to Ø1000mm
Flow rates	From 8000 to 60000m ³ /h
Static Pressure PE	Under request
Protection	IP-55/IP-65 protection
Motor	IE3 high-efficiency motors
Atex motors	Explosion-proof or flameproof
Isolation	Class F
Temperature increase	Class B

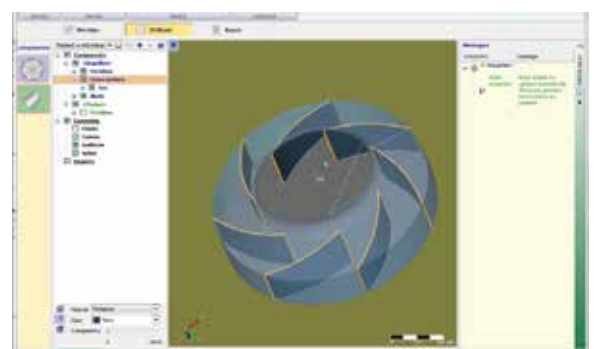
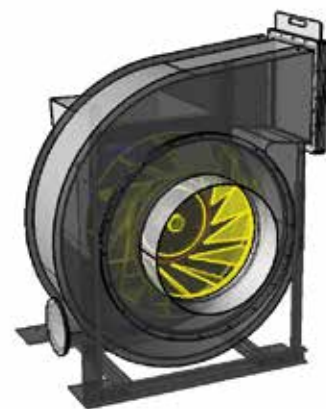
*Fans can be manufactured in other plastic materials such as PVC, PVDF, PE, PPEL-s.

Design and materials

The properties of polypropylene guarantee high corrosion resistance to a wide range of chemicals. Do not hesitate to contact Quimipol to verify which material is the most appropriate.

The technical team of Quimipol carries out comprehensive studies of each case according to this procedure:

- Study of the technical data provided by the client. Analysis of volumes and pressures. Total power required looking for the best efficiency.
- Project development, equipment design and economic assessment.
- Initial design.
- 3D development of the equipment.



Equipment manufacturing

Machining of units by means of CN machinery (numeric control) and subsequent assembly of parts by welding with a contribution of the same material.

- Calibration and performance tests:

Once the fan is assembled and the turbine is manufactured, Quimipol proceeds to perform the calibration and performance tests.

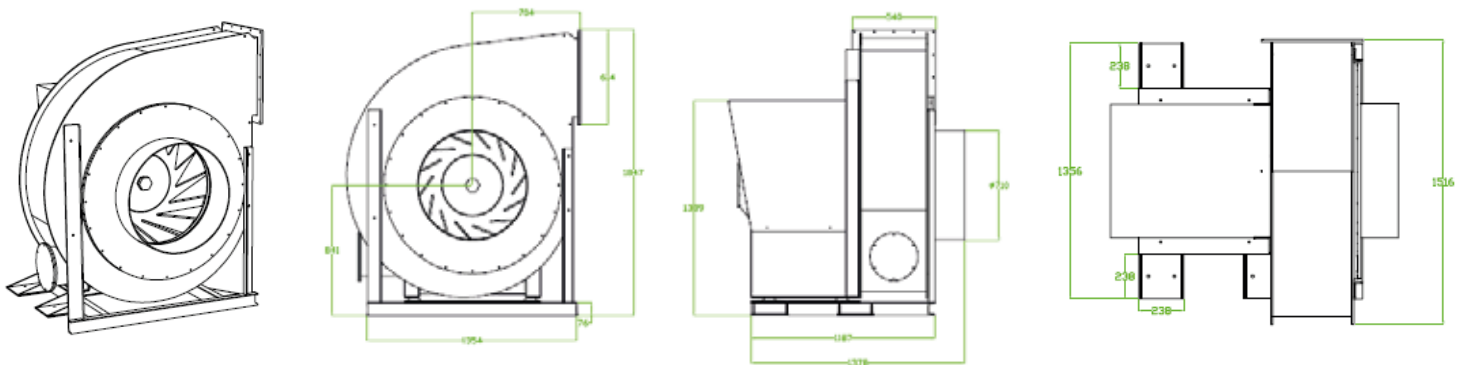
- The turbine is calibrated to ensure correct rotation.

- The fan is tested to ensure its performance, the tests consist of:

- Verify overall fan performance.

- Development of curves. Pressures, flows and usage.

- Vibration level, sound levels.



Fan installation or supply

Supply and installation of the extraction fan, commissioning and subsequent verification and adjustment tests.

It is also possible to include the supply and installation of the control panel with frequency variator, for the regulation of the equipment or other optional control elements according to the project such as:

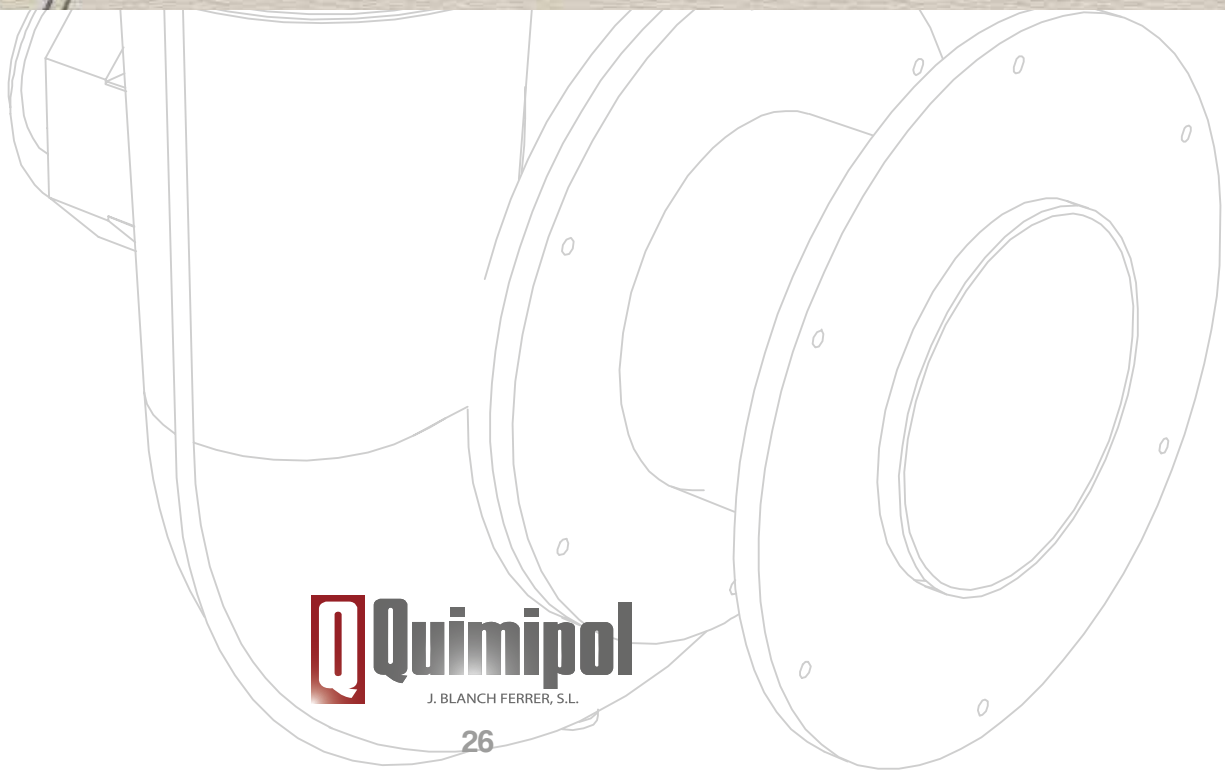
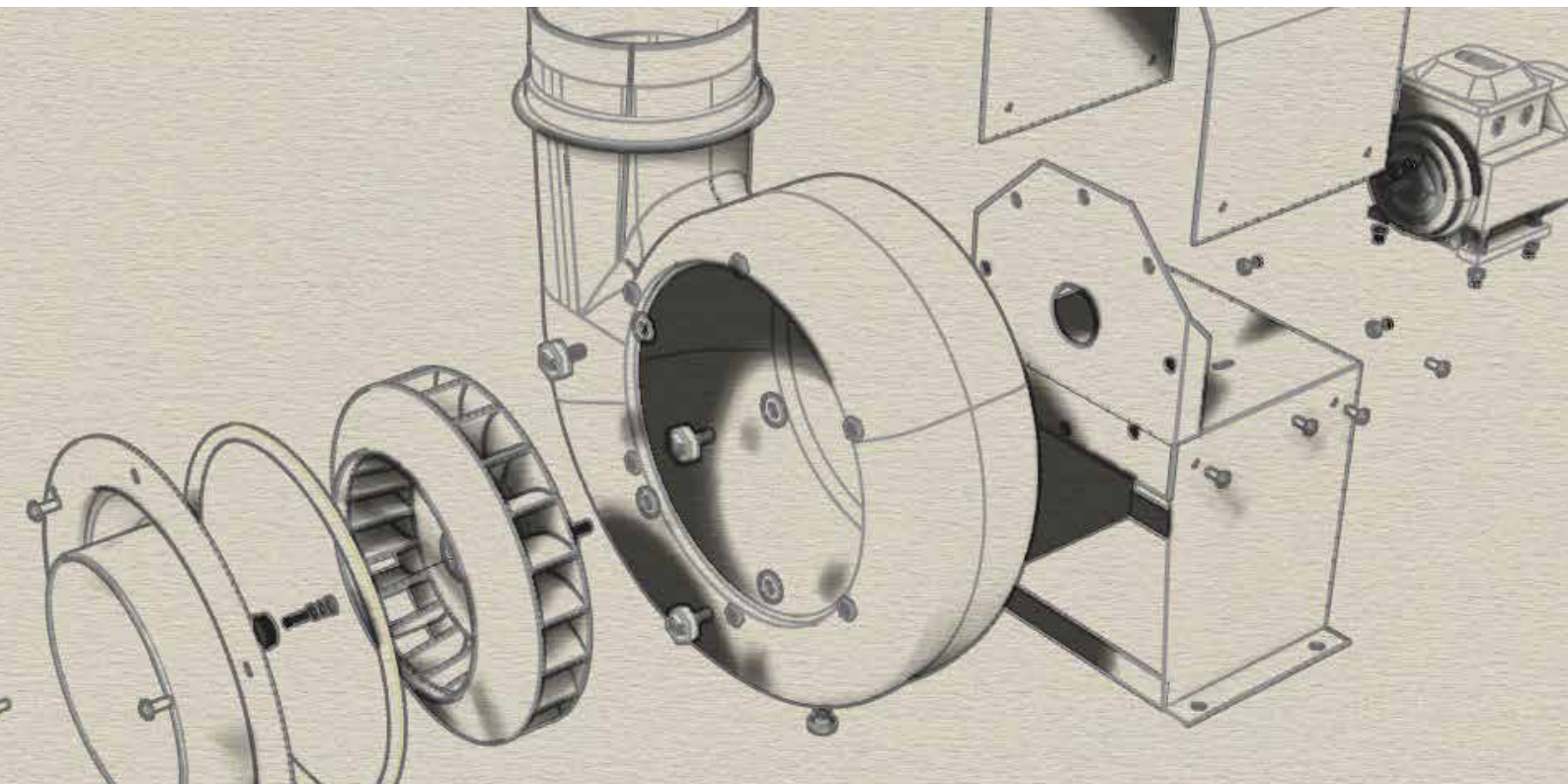
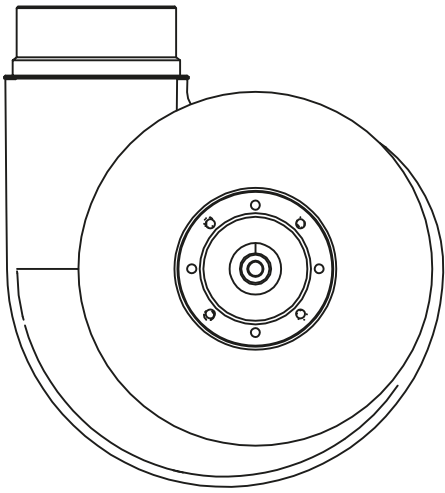
- Pressure probes.

- Speed probes or other elements.



FANS

SPARE PARTS

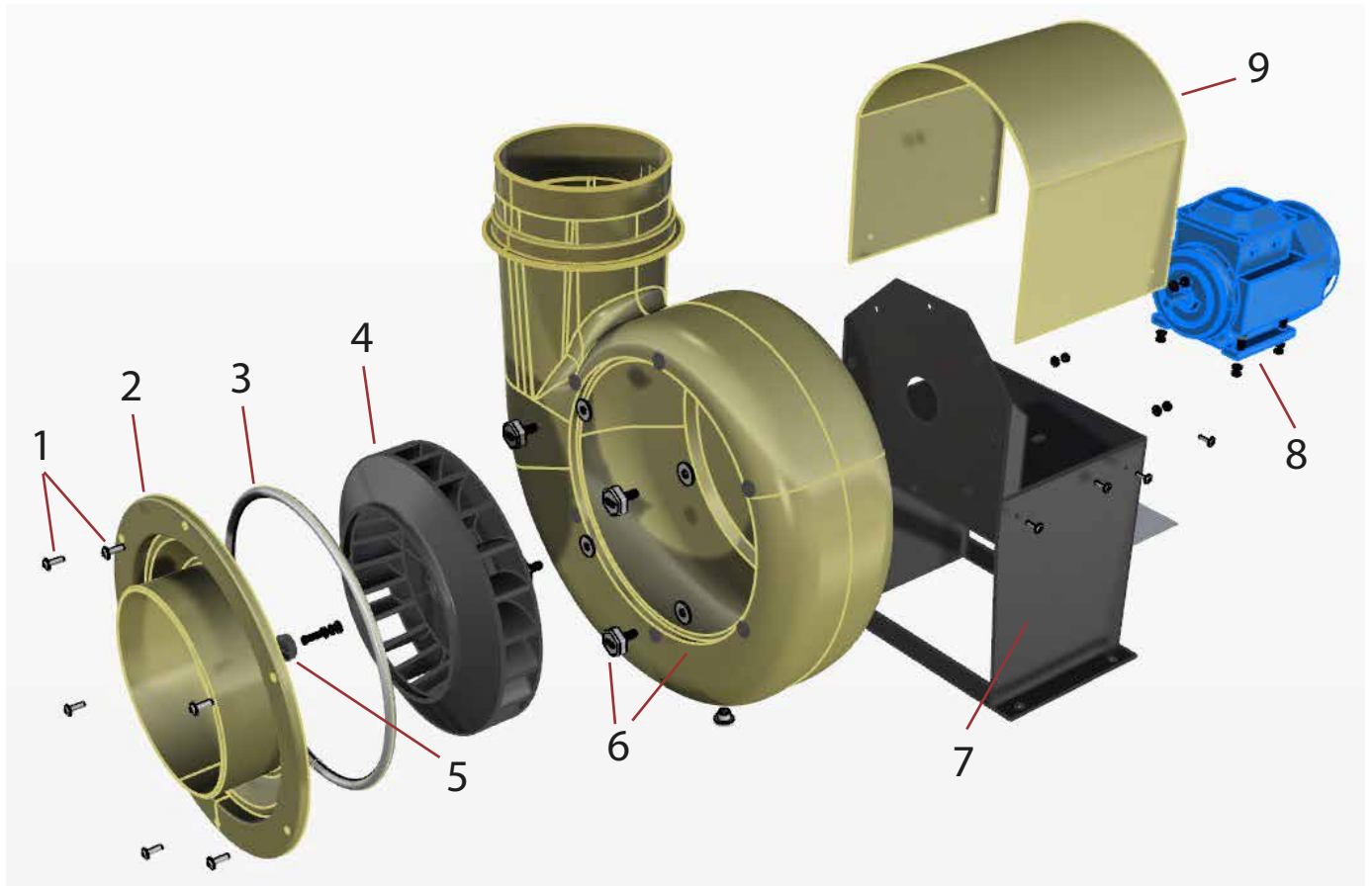




SPARE PARTS

Due to wear of fan components. Quimipol has all the spare parts you need to repair the fan. Immediate supply of any component.
(From left to right).

Our spare parts



1 - Satellite screws

2 - Satellite

3 - PVC gasket

4 - Polypropylene turbine

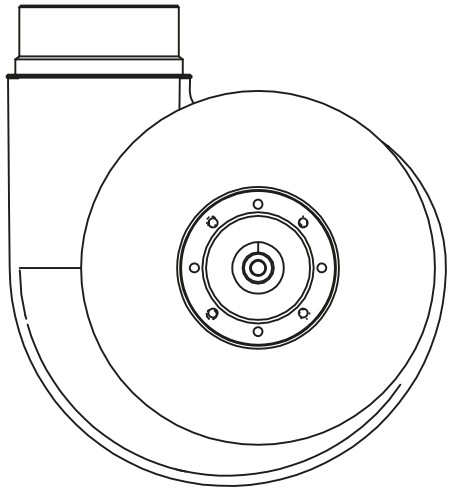
5 - Turbine plug and screws

6 - Volute and internal screws
(Polypropylene coated)

7 - Epoxy coated (Motor support)

8 - Motors and motor screws

9 - Motor cover and other accessories



FAN

ACCESSORIES



ACCESSORIES



EXHAUST AIR DIFFUSER WITH RAIN DEFLECTOR

Accessory made entirely of Polypropylene (PP) or PVC, which allows the exit of gases and avoids the entry of rainwater inside the duct.

Available sizes:

Ø 75 mm Ø 90 mm

Ø 110 mm Ø 125 mm

Ø 140 mm Ø 160 mm

Ø 200 mm Ø 250 mm

Ø 315 mm Ø 355 mm

Ø 400 mm

*Other measures upon request



EXHAUST CAP WITH GRID

Accessory made entirely of Polypropylene (PP) or PVC, which allows the exit of gases and avoids the entry of sediments inside the duct and protect from birds.

Available sizes:

Ø75mm Ø 90 mm

Ø 110 mm Ø 125 mm

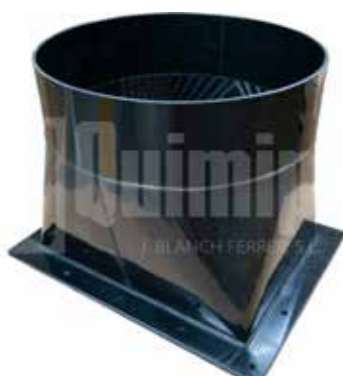
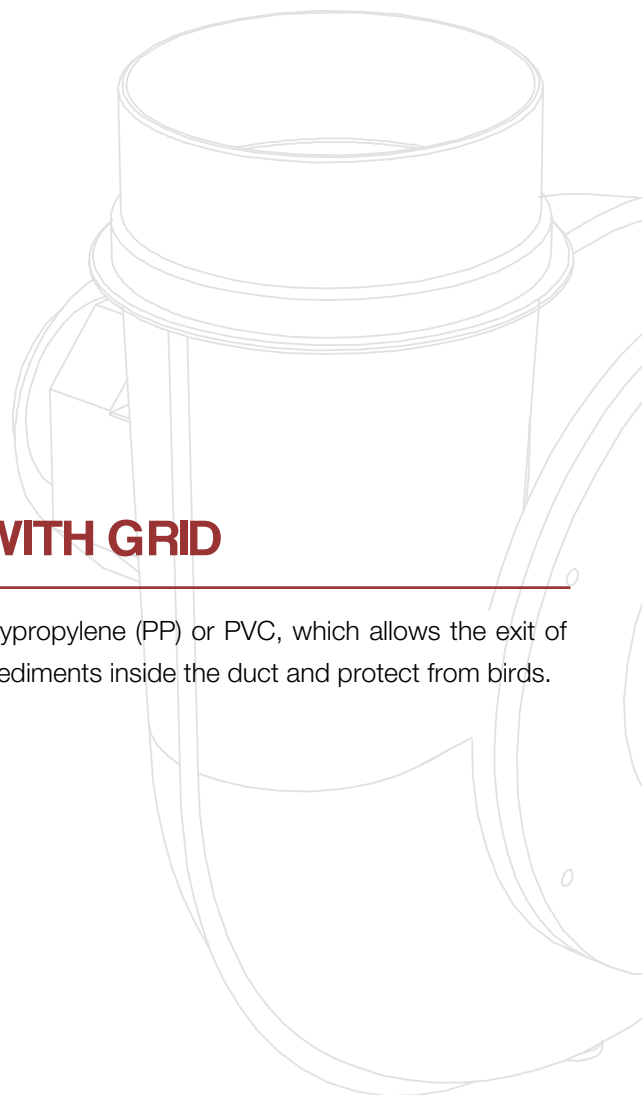
Ø 140 mm Ø 160 mm

Ø 200 mm Ø 250 mm

Ø 315 mm Ø355 mm

Ø 400 mm

*Other measures upon request



RECTANGULAR/CIRCULAR COUPLING FLANGE

Anticorrosive accessory made entirely of Polypropylene (PP) to adapt the rectangular outlet of the fans to the circular pipe.

Fans:

M-315

M-355

BPR Series.



FLEXIBLE SLEEVE

Accessory made of flexible PVC that connects, quickly and easily, the duct or installation with the fan. It can also be used to make connections with cupboards. Very useful for taking measurements due to its easy extraction.

Available sizes:

Ø 75 mm Ø 90 mm

Ø 110 mm Ø 125 mm

Ø 140 mm Ø 160 mm

Ø 200 mm Ø 250 mm

Ø 315 mm Ø 355 mm

Ø 400 mm

*Other measures upon request



MOTOR COVER

Accessory made of 3mm-polypropylene used for the protection of the motor against inclement weather. This item allows for an additional protection against the deterioration of the motor housing due to the influence of sun or rain. It is advisable to use it when the equipment is outdoors. *Available for all models.



SOUNDPROOF BOX

Soundproofed box for M series fans, made of Polypropylene (PP). The inside is coated with polyurethane soundproofing foam with polyester base, in order to reduce the noise generated by the fan. Designed so that fans can work in suspended ceilings or inside the laboratory. Available for the following models:

- Fan PP M -75
- Fan PP M-140
- Fan PP M-160
- Fan PP M-200
- PP Fan M-200VG

*For other models, please contact Quimipol.

VOLUME CONTROL DAMPER

Accessory made of Polypropylene (PP) or PVC that allows the air passage through the duct to be regulated manually.

- Manual actuators.
- ALL/NOTHING automatic actuators or proportional actuators.
- Single-phase power supply 220v or 24v. Frequencies 50-60Hz.

Available sizes:

- Ø 75 mm Ø 90 mm
- Ø 110 mm Ø 125 mm
- Ø 140 mm Ø 160 mm
- Ø 200 mm Ø 250 mm
- Ø 315 mm Ø 355 mm
- Ø 400 mm

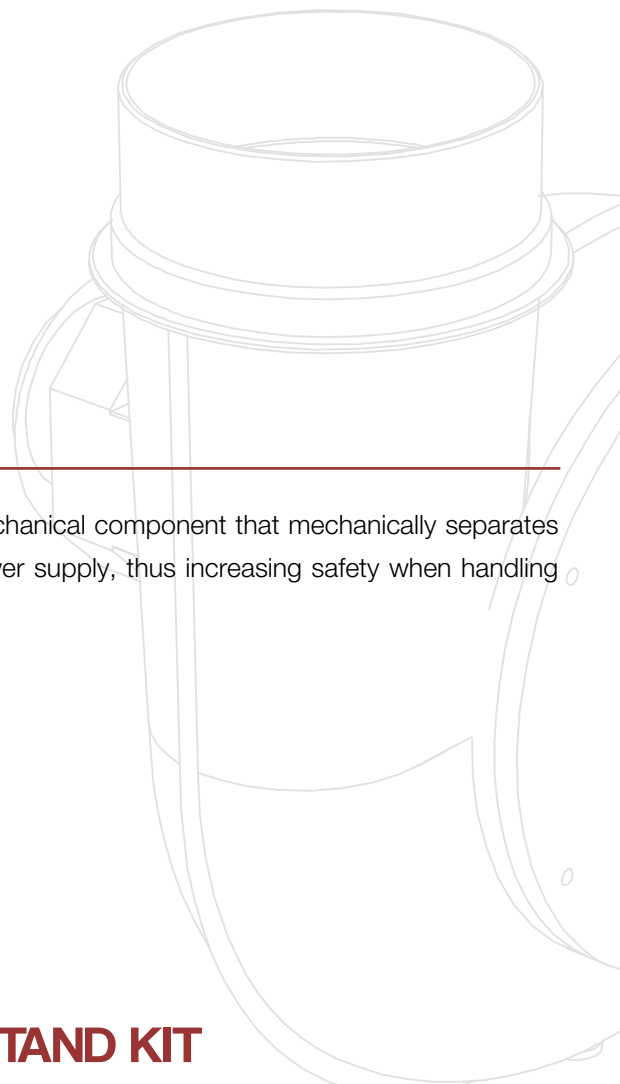
*Other measures upon request



DISCONNECTOR

A disconnecter is an electromechanical component that mechanically separates an electrical circuit from its power supply, thus increasing safety when handling our anticorrosive fans.

*Available for all fan models.



FLOOR / WALL STAND KIT

Supply of anchorage accessories for fans depending on the model. Fixing system to floor or wall. Plastic or metallic mounts depending on the area where they are going to be installed. Do not hesitate to contact us to assess you on the best option for each model.



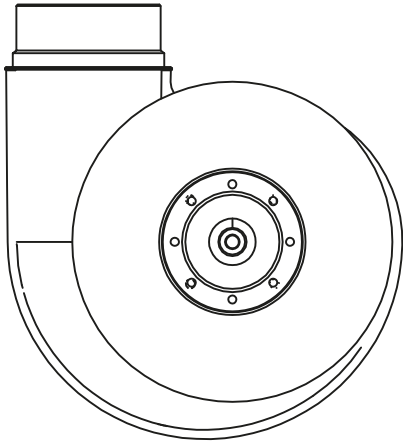


SILENTBLOCKS

The silentblocks are made of an elastomer material, which allows it to absorb vibrations and shocks involving mechanical components and the structure on which it is supported. Thus cancelling out any vibration. Model depending on fan selected.

REMARKS

A large rectangular box containing 20 horizontal lines for entering remarks.



FANS

WARRANTY

QUIMIPOL J. BLANCH FERRER, S.L

certifies the satisfactory functioning and that this product has passed all quality controls. With a one-year guarantee from the date of purchase.

QUIMIPOL J. BLANCH FERRER, S.L

undertakes, for one year from the date of delivery, to repair free of charge any defect in the equipment, provided that it is the result of a failure in manufacture or due to the incorporation of any material or component that may be defective

THE PURCHASER

shall examine the delivered goods immediately upon receipt to check out that they are faultless and complete. Manufacturing deficiencies should be reported to QUIMIPOL J. BLANCH FERRER, S.L. in writing and in a justified manner within one week of receipt, indicating the order data and invoice number.

Warranty exclusions:

- If the fault is due to improper use, failure to comply with the operating instructions, and / or improper maintenance thereof.
- Transport loss and damage are not covered.
- Connection of the equipment to electrical voltages other than those specified in its technical data sheet.
- Parts affected by normal wear and tear are not covered.
- In case the guaranteed equipment is tampered with or forced without the knowledge of QUIMIPOL J. BLANCH FERRER, S.L. technical service.
- If any repairs are carried out by personnel not authorised by QUIMIPOL J. BLANCH FERRER, S.L.
- In case any staff travel from QUIMIPOL J. BLANCH FERRER, S. Land or transport of the equipment or components to our facilities for repair.
- If the break down is caused by fire, flood, weather, blows or crushing.
- Warranty claim send 12 months after delivery of the equipment to the purchaser.



Balmes, 139-145 Polígono Industrial Monsolís
08930 Sant Adrià del Besós (Barcelona) SPAIN
+34 93 462 05 65
info@quimipol.com
www-quimipol.com