

THERMAL MANAGEMENT

Air conditioning for industrial cabinets

Control of the temperature inside the electrical cabinets is a fundamental factor for lengthening the service life and correct operation of the electrical and electronic appliances installed inside. A perfect air conditioning system for forestalling temperature fluctuations which could damage the equipment, preventing overheating and the formation of condensation.

The correct choice of temperature control appliances is essential for guaranteeing the correct operation of our electrical panels.



Content

- Fans (AC, DC).
- Air filter grilles.
- Heating resistors.
- Thermostats.
- Hygrostats and hygrotherms.
- Air conditioners.
- Exchangers.

Certifications

CE RoHS

Compliant with the Low Voltage Directive 2014/35/EU.
Standards: IEC 62208 and IEC 61439-1
(as applicable).

How to select the most suitable appliances

- Analyse the conditions of work.
- Analyse the environmental and temperature conditions.
- Analyse whether the exterior temperature is higher or lower than the temperature inside the panel.
- Analyse the conditions of contamination, dust, fluids, aggressive environments, oils.

Recommendations

- Low ambient temperature: Fans with filter.
- Ambient highly contaminated with dust or fluids: Air-air exchangers.
- High ambient temperature: Air conditioners.
- Ambient with high degree of humidity and aggressive contamination (oils): Air-water exchangers.

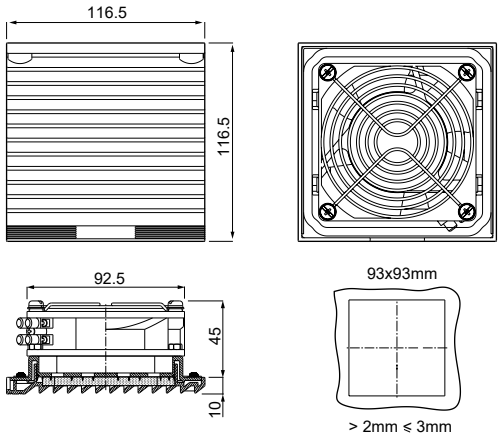
IP54 AC Filter fan (34-42 m³/h)



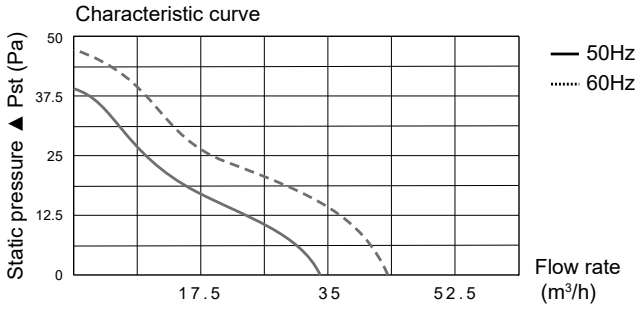
Specifications	Units	Reference VF34AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	34	42
Operating temperature	°C	-20 /+65	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	32	34
Dimensions	mm	116.5x116.5x55	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	93x93	
Electrical connection	-	Terminal	
Current consumption	A	0.06	0.07
Energy consumption	W	12	11
Static pressure	Pa	39	45
Overcurrent protection	-	Impedance	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	0.38	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



IP 54 CE

IP54 AC Filter fan (92-107 m³/h)

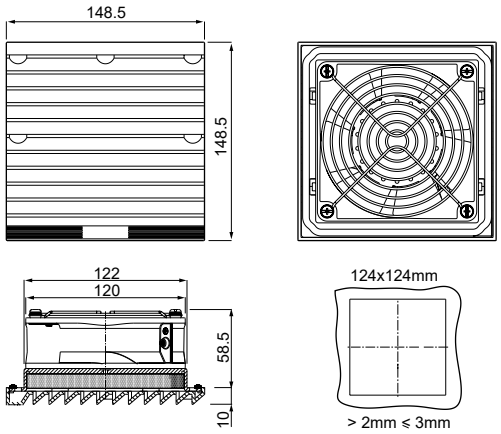


Specifications	Units	Reference VF92AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	92	107
Operating temperature	°C	-20 /+65	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	31	34
Dimensions	mm	148.5x148.5x68.5	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	124x124	
Electrical connection	-	Terminal	
Current consumption	A	0.12	0.10
Energy consumption	W	19	14
Static pressure	Pa	32	39
Overcurrent protection	-	Impedance	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	0.70	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

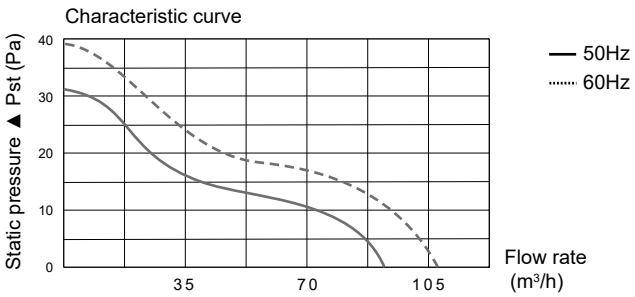
Also available with 110V voltage. Price and delivery terms on request.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



THERMAL MANAGEMENT

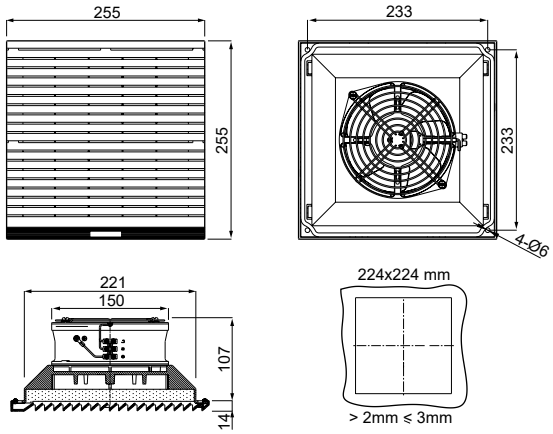
IP54 AC Filter fan (224-266 m³/h)



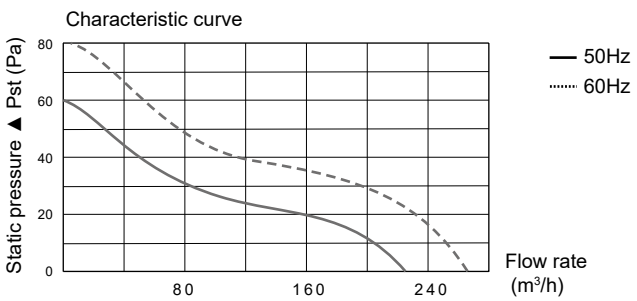
Specifications	Units	Reference VF224AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	224	266
Operating temperature	°C	-20 /+70	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	46	50
Dimensions	mm	255x255x121	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	224x224	
Electrical connection	-	Terminal	
Current consumption	A	0.25	0.20
Energy consumption	W	37	33
Static pressure	Pa	60	85
Overcurrent protection	-	Thermal	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	1.62	
Assembly	-	Quick-connect clip / Bolts	
Certificates	-	CE, ROHS	

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



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IP54 AC Filter fan (280-320 m³/h)

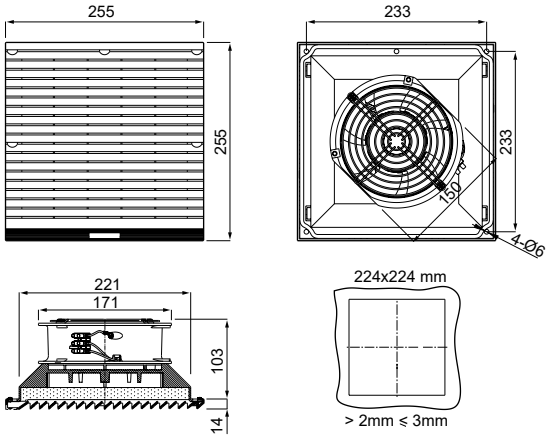


Specifications	Units	Reference VF280AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	280	320
Operating temperature	°C	-20 /+70	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	48	50
Dimensions	mm	255x255x117	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	224x224	
Electrical connection	-	Terminal	
Current consumption	A	0.26	0.24
Energy consumption	W	41	38
Static pressure	Pa	120	135
Overcurrent protection	-	Impedance	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	1.47	
Assembly	-	Quick-connect clip / Bolts	
Certificates	-	CE, ROHS	

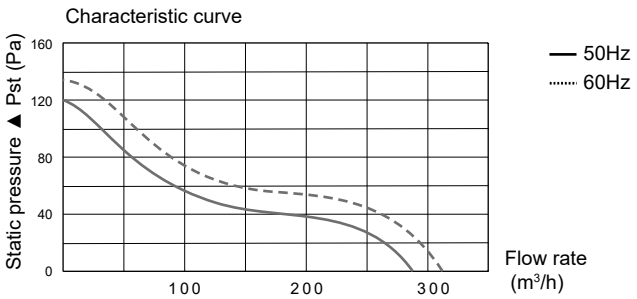
Also available with 110V voltage. Price and delivery terms on request.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



THERMAL MANAGEMENT

IP54 AC Filter fan (637-707 m³/h)

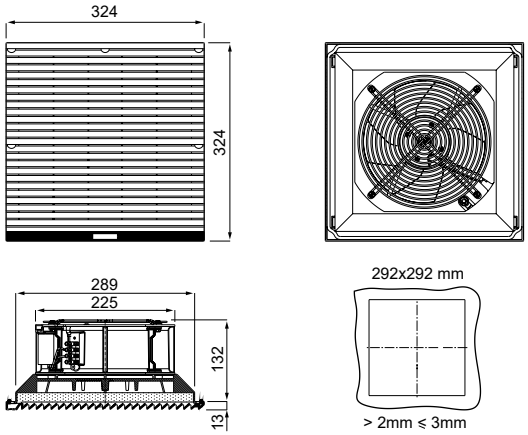


Specifications	Units	Reference VF637AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	637	707
Operating temperature	°C	-20 /+75	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	55	57
Dimensions	mm	324x324x145	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	292x292	
Electrical connection	-	Terminal	
Current consumption	A	0.30	0.34
Energy consumption	W	65	77
Static pressure	Pa	78	90
Overcurrent protection	-	Thermal	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	3.43	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

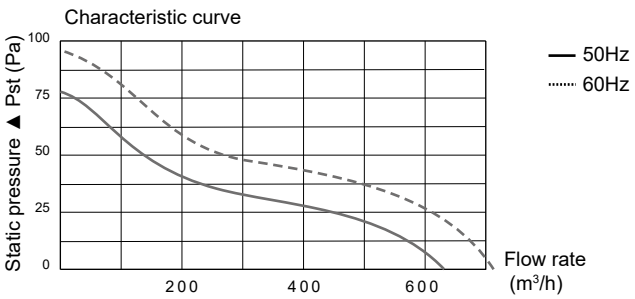
Also available with 110V voltage. Price and delivery terms on request.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



IP 54 CE

IP54 AC Filter fan (1395-1530 m³/h)

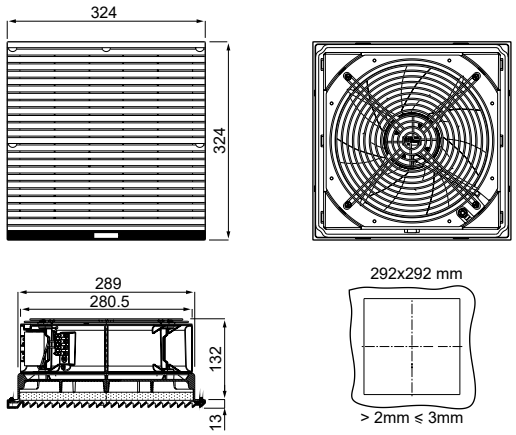


Specifications	Units	Reference VF1395AC	
Voltage	V	230	
	Hz	50	60
Air flow with filter	m³/h	1395	1530
Operating temperature	°C	-20 /+75	
Relative humidity range	-	0 - 95%	
Filtration efficiency	-	Up to 73%	
Service (at 40 °C)	h	50000	
Noise level	dB	63	65
Dimensions	mm	324x324x145	
Thickness of the cabinet wall	mm	2 - 3	
Cut-off dimensions	mm	292x292	
Electrical connection	-	Terminal	
Current consumption	A	0.48	0.62
Energy consumption	W	105	140
Static pressure	Pa	95	105
Overcurrent protection	-	Thermal	
Protection rating EN 60529	-	IP54	
Direction of flow	-	From exterior to interior	
Reversible	-	Yes	
Bearing	-	Ball bearing	
Colour	-	RAL 7035	
Material	-	UL94 V0 ABS	
Filter material	-	Nylon fibre 150 g/m³	
Seal	-	Autoadhesive polyurethane	
Weight	kg	4.22	
Assembly	-	Quick-connect clip	
Certificates	-	CE, ROHS	

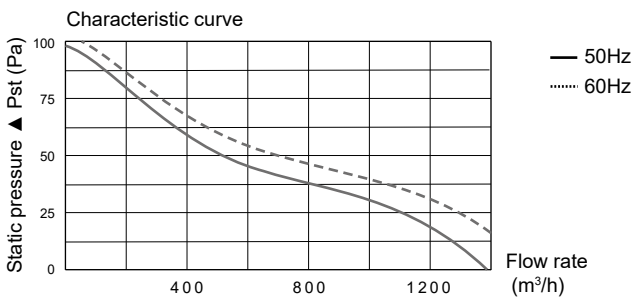
Also available with 110V voltage. Price and delivery terms on request.

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



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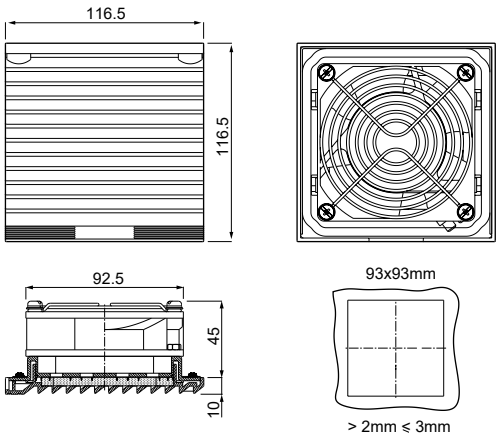
IP54 DC Filter fan (60 m³/h)



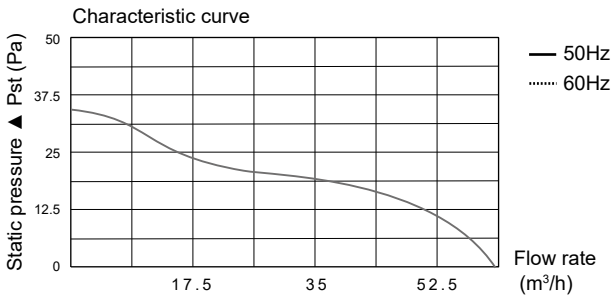
Specifications	Units	Reference VF60DC
Voltage	V	24
Air flow with filter	m³/h	70
Operating temperature	°C	-20 /+65
Relative humidity range	-	0 - 95%
Filtration efficiency	-	Up to 73%
Service (at 40 °C)	h	50000
Noise level	dB	36
Dimensions	mm	116.5x116.5x55
Thickness of the cabinet wall	mm	2 - 3
Cut-off dimensions	mm	93x93
Electrical connection	-	Terminal
Current consumption	A	0.12
Energy consumption	W	2.88
Static pressure	Pa	45
Overcurrent protection	-	Impedance
Protection rating EN 60529	-	IP54
Direction of flow	-	From exterior to interior
Reversible	-	Yes
Bearing	-	Ball bearing
Colour	-	RAL 7035
Material	-	UL94 V0 ABS
Filter material	-	Nylon fibre 150 g/m³
Seal	-	Autoadhesive polyurethane
Weight	kg	0.37
Assembly	-	Quick-connect clip
Certificates	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



IP 54 CE

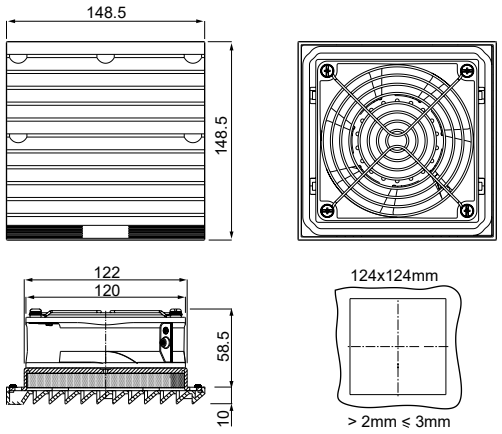
IP54 DC Filter fan (113 m³/h)



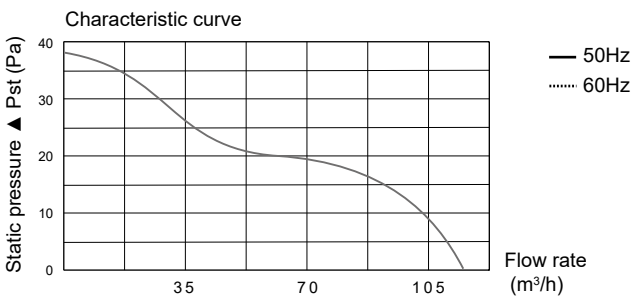
Specifications	Units	Reference VF113DC
Voltage	V	24
Air flow with filter	m³/h	113
Operating temperature	°C	-20 /+65
Relative humidity range	-	0 - 95%
Filtration efficiency	-	Up to 73%
Service (at 40 °C)	h	50000
Noise level	dB	35
Dimensions	mm	148.5x148.5x68.5
Thickness of the cabinet wall	mm	2 - 3
Cut-off dimensions	mm	124x124
Electrical connection	-	Terminal
Current consumption	A	0.31
Energy consumption	W	7.44
Static pressure	Pa	38
Overcurrent protection	-	Impedance
Protection rating EN 60529	-	IP54
Direction of flow	-	From exterior to interior
Reversible	-	Yes
Bearing	-	Ball bearing
Colour	-	RAL 7035
Material	-	UL94 V0 ABS
Filter material	-	Nylon fibre 150 g/m³
Seal	-	Autoadhesive polyurethane
Weight	kg	0.49
Assembly	-	Quick-connect clip
Certificates	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs



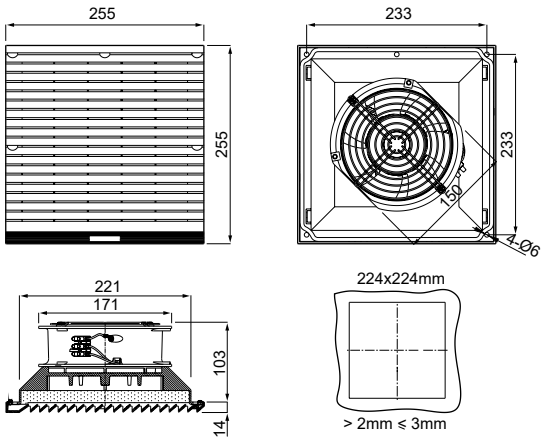
IP54 DC Filter fan (245 m³/h)



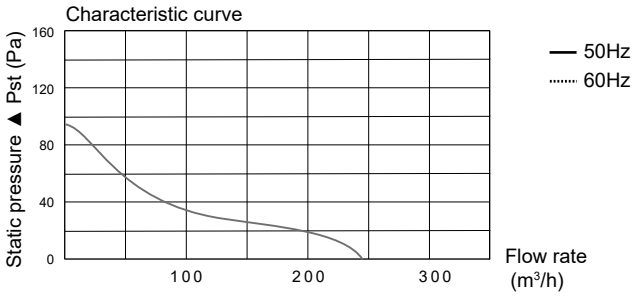
Specifications	Units	Reference VF245DC
Voltage	V	24
Air flow with filter	m³/h	245
Operating temperature	°C	-20 /+70
Relative humidity range	-	0 - 95%
Filtration efficiency	-	Up to 73%
Service (at 40 °C)	h	50000
Noise level	dB	48
Dimensions	mm	255x255x117
Thickness of the cabinet wall	mm	2 - 3
Cut-off dimensions	mm	224x224
Electrical connection	-	Terminal
Current consumption	A	0.50
Energy consumption	W	12
Static pressure	Pa	95
Overcurrent protection	-	Impedance
Protection rating EN 60529	-	IP54
Direction of flow	-	From exterior to interior
Reversible	-	Yes
Bearing	-	Ball bearing
Colour	-	RAL 7035
Material	-	UL94 V0 ABS
Filter material	-	Nylon fibre 150 g/m³
Seal	-	Autoadhesive polyurethane
Weight	kg	1.30
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

For the extractor function (outward flow), unscrew the fan, turn it 180°, reversing the axis of rotation, and put the screws back in.

Dimensions



Graphs

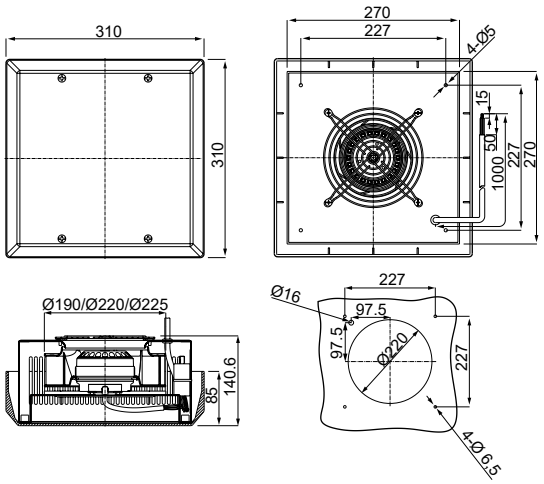


IP 54 CE

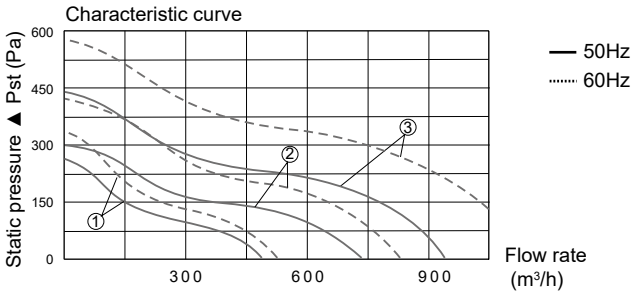
IP54 Ceiling fan (484-1140 m³/h)



Dimensions



Graphs



Specifications	Units	Reference VT484		Reference VT730		Reference VT1020	
Voltage	V	230		230		230	
	Hz	50	60	50	60	50	60
Air flow with filter	m³/h	484	527	730	830	1020	1140
Operating temperature	°C	-20 / +80					
Relative humidity range	-	0 - 95%					
Service (at 40 °C)	h	50000					
Noise level	dB	57	59	60	62	62	64
Dimensions	mm	310x310x140					
Cut-off dimensions	mm	Ø220					
Electrical connection	-	Cable					
Current consumption	A	0,26	0,33	0,46	0,51	0,60	0,74
Energy consumption	W	58	74	98	118	131	170
Static pressure	Pa	265	335	300	440	430	585
Static pressure curve	-	1		2		3	
Overcurrent protection	-	Thermal					
Protection rating EN 60529	-	IP54					
Direction of flow	-	From interior to exterior					
Bearing	-	Ball bearing					
Material	-	UL94 V0 ABS / Cast iron					
Colour	-	RAL 7035					
Seal	-	Autoadhesive polyurethane					
Weight	kg	4,80		5,23		5,70	
Assembly		Bolts					
Certificates	-	CE, ROHS					

Air filter grille (for VF fans)

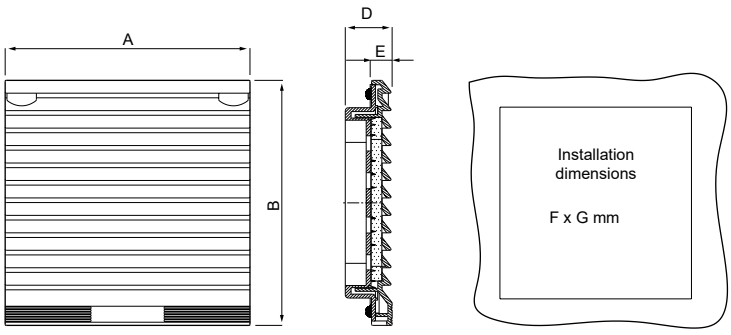




Specifications	Units	Reference RF93
Dimensions (AxB)	mm	116.5x116.5
Dimensions (D-E)	mm	22-10
Cut-off dimensions (FxG)	mm	93x93
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 / +70
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m³ nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	1.5 - 2
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Specifications	Units	Reference RF123
Dimensions (AxB)	mm	148.5x148.5
Dimensions (D-E)	mm	27.5-10
Cut-off dimensions (FxG)	mm	124x124
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 / +70
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m³ nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	1.5 - 2
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Dimensions



IP 54 CE





Specifications	Units	Reference RF222
Dimensions (AxB)	mm	255x255
Dimensions (D-E)	mm	30.5-13.5
Cut-off dimensions (FxG)	mm	224x224
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 / +70
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m³ nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	1.5 - 2
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Specifications	Units	Reference RF290
Dimensions (AxB)	mm	324x324
Dimensions (D-E)	mm	30.5-13.5
Cut-off dimensions (FxG)	mm	292x292
Filtration efficiency	-	Up to 73% (G2)
Operating temperature	°C	-20 / +70
Relative humidity range	-	0 - 95%
Protection rating	-	IP54
Material	-	ABS + 150 g/m³ nylon fibre
Colour	-	RAL 7035
Thickness of the cabinet wall	mm	1.5 - 2
Seal	-	Autoadhesive polyurethane
Assembly	-	Quick-connect clip / Bolts
Certificates	-	CE, ROHS

Filter meshes

Characteristic	Units	Reference F93	Reference F123	Reference F222	Reference F290
Grill dimensions	mm	116,5x116,5	148,5x148,5	255x255	324x324
Mesh dimensions	mm	85x85	115x115	215x215	285x285
Material	g/m³	150 nylon fiber			

Protective covers for grills



Specifications	Units	Reference CRF93	Reference CRF123	Reference CRF222	Reference CRF290
Dimensions (HeightxWidth)	mm	217x190	246x220	350x325	418x395
Dimensions (Prof.)	mm	85	90	108	170
Cut dimensions	mm	155x155	185x185	290x290	360x360
Protection grade	IP	IP55	IP55	IP55	IP55
Material	-	Galvanised steel, primed and painted	Galvanised steel, primed and painted	Galvanised steel, primed and painted	Galvanised steel, primed and painted
Colour	-	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Wall thickness	mm	1,2	1,2	1,2	1,2
Assembly	-	4 M6 screws + watertight washer	4 M6 screws + watertight washer	4 M6 screws + watertight washer	4 M6 screws + watertight washer
For grill	-	RF93	RF123	RF222	RF290

IP 54 CE

Ventilation grills



Specifications	Units	Reference 49330	Reference 49331	Reference 49332	Reference 49335	Reference 49336
Dimensions	mm	180x130	105x154	130x250	167x105	167x105
Position between screws	mm	165x115	90x139	115x235	152x90	152x90
Installation cut	mm	145x95	75x70	90x180	130x70	130x70
Protection grade IP	-	IP30	IP30	IP30	IP30	IP33

Polyurethane filter



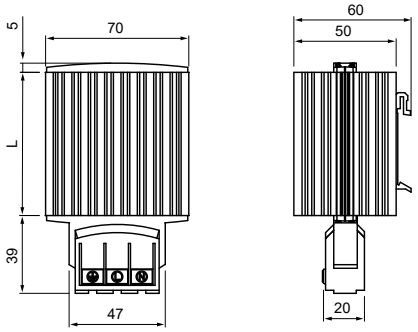
Specifications	U	Reference F93	Reference F123	Reference F222	Reference F290
Grill dimensions	mm	116.5x116.5	148.5x148.5	255x255	324x324
Mesh dimensions	mm	85x85	115x115	215x215	285x285
Material	-	150 g/m³ nylon fibre	150 g/m³ nylon fibre	150 g/m³ nylon fibre	150 g/m³ nylon fibre

Heating resistors without fan



Specifications	Units	Reference RC15SV	Reference RC30SV	Reference RC60SV
Operating voltage	V	110-250 AC/DC	110-250 AC/DC	110-250 AC/DC
Heating capacity	W	15	30	60
Inrush current max.	A	1,5	2,5	3,5
Dimensions (L=Length)	mm	70	70	70
Weight	kg	0,25	0,25	0,25
Heating element	-	PTC resistor, self regulating and temperature limiting		
Heater body	-	Extruded aluminium profile, anodised		
Connection casing	-	Plastic according to UL94 V0, black		
Electrical connection	-	3 pressure clamps for stranded wire 0.5-1.5mm² (with wire end ferrule) and rigid wire 0.5-2.5mm²		
Mounting	-	Clip for 35mm DIN rail		
Fitting position	-	Vertical airflow		
Operating/Storage temperature	°C	-45 to +70		
Degree of protection	-	IP20		
Protection class	-	Class I (Earthed)		
Certificates	-	CE		

Dimensions



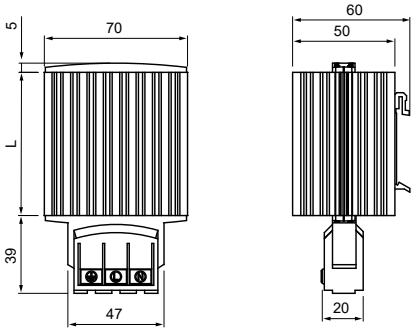
IP 20 CE

Heating resistors without fan



Specifications	Units	Referencea **RC75SV**	Reference **RC100SV**	Reference **RC150SV**
Operating voltage	V	110-250 AC/DC	110-250 AC/DC	110-250 AC/DC
Heating capacity	W	75	100	150
Inrush current max.	A	4	4,5	9
Dimensions (L=Length)	mm	70	140	140
Weight	kg	0,25	0,4	0,4
Heating element	-	PTC resistor, self regulating and temperature limiting		
Heater body	-	Extruded aluminium profile, anodised		
Connection casing	-	Plastic according to UL94 V0, black		
Electrical connection	-	3 pressure clamps for stranded wire 0.5-1.5mm² (with wire end ferrule) and rigid wire 0.5-2.5mm²		
Mounting	-	Clip for 35mm DIN rail		
Fitting position	-	Vertical airflow		
Operating/Storage temperature	°C	-45 to +70		
Degree of protection	-	IP20		
Protection class	-	Class I (Earthed)		
Certificates	-	CE		

Dimensions



IP 20 CE

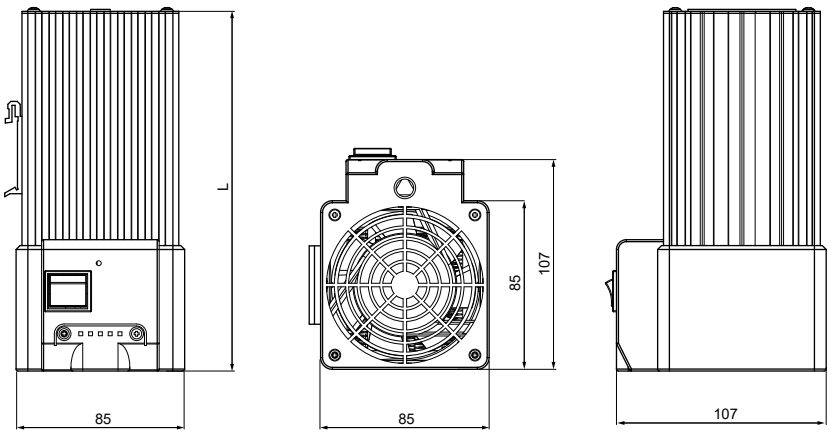
Heating resistors with fan





Specifications	Units	Reference RC250CV	Reference RC500CV
Operating voltage	V	230 AC	230 AC
	Hz	50/60	50/60
Heating capacity	W	250	500
Dimensions (L=Length)	mm	183	216
Weight	kg	1,1	1,4
Heating element	-	PTC resistor, self regulating and temperature limiting	
Temperature safety cut-out	-	Automatic reset to protect against overheating in case of fan failure	
Heater body	-	Extruded aluminium profile, anodised	
Connection casing	-	Plastic according to UL94 V0, black	
Surface temperature	°C	max. 75 °C (400 W)	
Axial fan airflow	m^3/h	45 (50 Hz) / 54 (60 Hz)	
Service life	h	50.000 h at 25 °C	
Electrical connection	-	Internal connection terminal 1.5mm² with strain relief, clamping torque 0.8Nm max.	
Mounting	-	Clip for 35mm DIN rail	
Fitting position	-	Vertical airflow	
Operating/Storage temperature	°C	-45 to +70	
Degree of protection	-	IP20	
Protection class	-	Class I (Earthed)	
Certificates	-	CE	

Dimensions



IP 20 CE

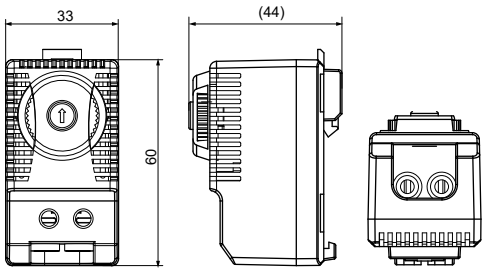
Thermostats



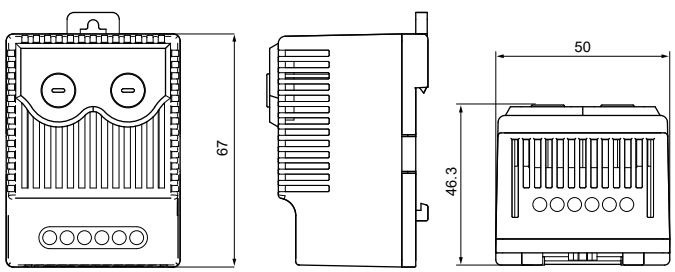


Specifications	Units	Reference TS01	Reference TS02	Reference TD03
Contact	-	NC	NO	NC+NO
Max. Switching capacity	-		250 V AC 10 (2) A 120 V AC 15 (2) A 30 W DC (24-72 V)	
Dimensions (L=Length)	mm	60x33x43	60x33x43	67x50x45
Weight	g	40	40	90
Setting range	ºC		0-60	
Switch temperature difference	-		7K (+/- 4K tolerance)	
Sensor element	-		Thermostatic bimetal	
Contact type	-		Snap-action contact	
Contact resistance	mΩ		< 10	
Service life	Ciclos		> 100.000	
Electrical connection	-	2-pole terminal		4-pole terminal
Connection casing	-		Plastic according to UL94 V0, light grey	
Mounting	-		Clip for 35mm DIN rail	
Operating/Storage temperature	ºC		-20 to +80	
Degree of protection	-		IP20	
Certificates	-		CE	

Dimensions TS01 - TS02



Dimensions TD03



THERMAL MANAGEMENT

Regulation

IP 20 CE

Hygrostat



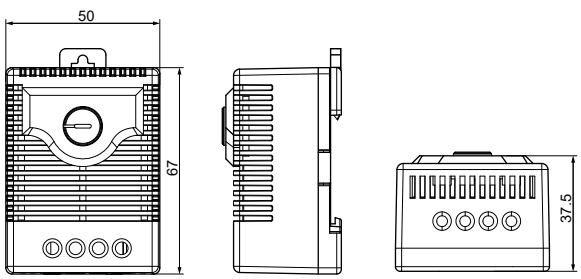
Specifications	Units	Reference HG02
Relative humidity range	%	35-95
Switching error	% RH	4 (+/-3 tolerance)
Allow wind speed	m/s	15
Contact type	-	Change-over contact
Contact resistance	mΩ	< 10
Service life	Cycles	> 50.000
Min. Switching capacity	V	20 AC/DC 100 mA
Max. Switching capacity	V	250 AC 5 (1) A
	W	20 DC
Electrical connection	-	3-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm², stranded wire 1.5mm²
Mounting	-	Clip for 35mm DIN rail
Connection casing	-	Plastic according to UL94 V-0, light grey
Dimensions	mm	67x50x38
Weight	g	60
Fitting position	-	Variable
Operating/Storage temperature	ºC	0 to 60 / -20 to 80
Degree of protection	-	IP20
Certificates	-	CE

Hygrotherm

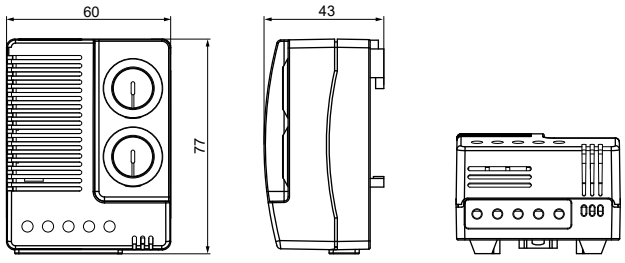


Specifications	Units	Reference HT250
Setting range humidity	% RH	50-90
Setting range temperature	ºC	0 to +60
Operating voltage	V	230 AC 50/60 Hz
Switch difference (temperature)	-	2K (+/-1K tolerance) at 25 ºC (50 %)
Switch difference (humidity)	% RH	4% RH (+/-1% tolerance) at 25 ºC (50 %)
Reaction time (humidity)	seg.	Approx. 5 sec.
Contact type	-	Change-over contact (relay)
Contact resistance	mΩ	< 10
Service life	Cycles	NC: 50.000 / NO: 100.000
Max. Switching capacity (relay output)	V	NC: 240 AC 6 (1) A NO: 240 AC 8 (1,6) A
Optical indicator	-	LED
Electrical connection	-	5-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5 mm², stranded wire 1.5 mm²
Mounting	-	Clip for 35 mm DIN rail
Connection casing	-	Plastic according to UL94 V0, light grey
Dimensions (HeightxWidthxDepth)	mm	77x60x43
Weight	kg	0,2
Fitting position	-	Vertical
Operating/Storage temperature	ºC	0 to +60 / -20 to +80
Degree of protection	-	IP20
Certificates	-	CE

Dimensions HG02



Dimensions HT250



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