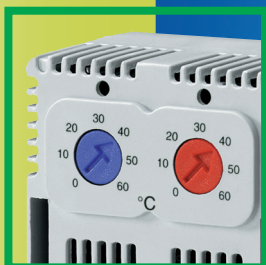
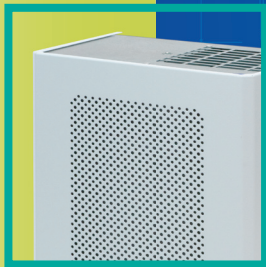


air conditioning ventilation and accessories for electric enclosures



alfa electric



PROFILE

ALFA ELECTRIC is a division of Alfa Plastic, specialized in manufacturing accessories for electric enclosures, in particular Thermal Management Products.

Since the early Nineties, ALFA ELECTRIC has been gaining recognition and developing and introducing new products. Currently, the range of products allows the full coverage of customer needs.

Careful attention to customer needs, highly qualified technical staff and a vertical, flexible organization have allowed the company to become partner of important manufacturing and commercial firms.

Advanced manufacturing equipment and careful quality controls during development and manufacturing allow to offer cost-effective and high quality products.

ALFA ELECTRIC policy is to offer a full support to Clients:

- pre-after sales assistance
- customized products
- fast delivery
- monitoring of customers' satisfaction

Rather than a supplier, ALFA ELECTRIC aims to be a Client's industrial PARTNER!

COMPANY HISTORY 1973 - Alfa Plastic starts as a thermoplastic processing industry, specialised in injection-moulding. During this thirty-year period, Alfa Plastic develops an extensive know-how in design and manufacturing of plastic injection-moulded parts. The focus is on customised parts for the automotive and electric industry

1993 - ALFA ELECTRIC is established as a division of Alfa Plastic specialised in manufacturing accessories for electric enclosures.

2000 - The intense development of ALFA ELECTRIC leads to the expansion of the production facilities. A new manufacturing plant is acquired and exclusively devoted to the assembly of electrical products.

Since then, new products have been deployed and international and domestic sales expanded.

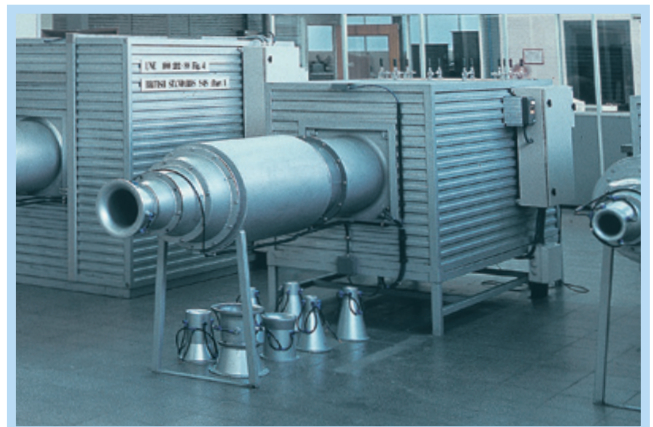


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Air Conditioning

MODELS AND POWER

The range of air conditioners ALFA ELECTRIC includes several productions depending on voltages and different type of thermostat mounted. The code varies about voltage and control instrumentation.

CODE EXAMPLE AND COMPOSITION:

AVC 035.01



(a) Cooling power at 35°C inside the cabinet and 35°C outside cabinet (x 10W)

(b) Power supply:
0=230 V monophase 50/60 Hz
1=115 V monophase 50/60 Hz
2=400 V monophase 50/60 Hz

(c) Type of thermostat:
0=mechanical thermostat
1=digital thermostat

DIGITAL THERMOSTAT

The version with the number 1 as the last digit coding are equipped with digital thermostat that allows to implement various control operations:

- 1 setting ignition temperature compressor
- 2 setting temperature compressor shutdown
- 3 Set delay on / off the compressor in terms of temperature
- 4 Setting the standard period of the compressor to avoid the phenomenon of intermittent on/off. This phenomenon is very detrimental to the proper operation of the air conditioner.
- 5 Setting the maximum value allowed for the overcoming of the maximum temperature in the cabinet, after which the thermostat emits an alarm
- 6 Setting the delay time of the alarm switch



LOW MAINTENANCE

ALFA ELECTRIC air conditioners require little maintenance on all models through the adoption of capacitor banks with a pitch between the fins is not less than 4 mm. The fins are treated to reduce the adhesion of dirt.

ROTARY COMPRESSOR

ALFA ELECTRIC air conditioners are distinguished by the adoption on all models of rotary compressors. This type of compressors, unlike the more common alternative compressors allowed to contain the clutter in favour of a greater distance between inlet hot air from the context and delivery of fresh air into the framework. The greater distance allows the reduction of the phenomenon of by-pass, using a greater amount of fresh air produced.

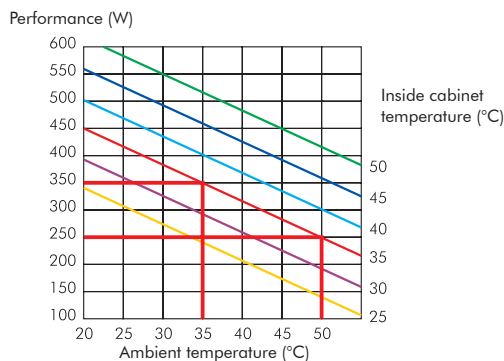
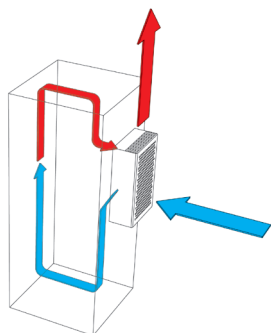
LESS WEIGHT AND LESS VIBRATION

The rotary compressor also reduces the weight of the unit with obvious benefits in the transport, handling and installation of the machine. The lower vibrations due to a lower inertia of the moving parts make this component quiet and durable.

GREATER EFFICIENCY

The rotary compressor has considerable advantages over the alternative compressor: among them being the biggest isentropic efficiency mainly due to different internal cooling which favors compression. The absence of valves in suction and dead volumes, typical of alternative systems, reduces the loss of gas pressure.

AVC 035

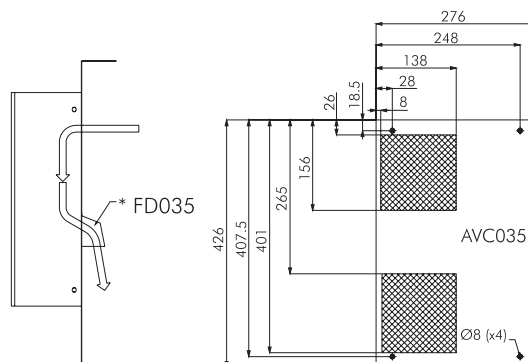
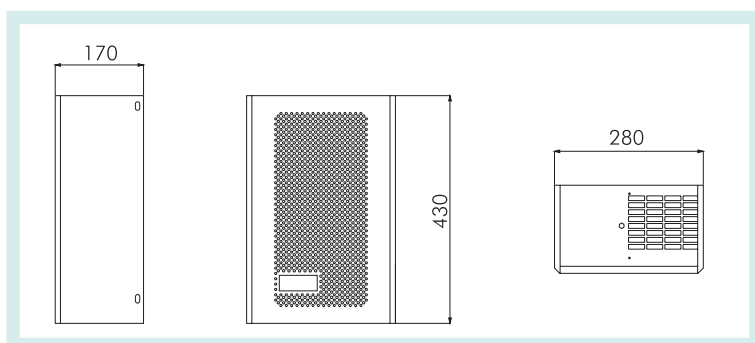


Features		Unit	AVC035.00	AVC035.01	AVC035.10	AVC035.11	AVC035.20	AVC035.21
Power supply		V/Hz	230V/1ph/50-60		115V/1ph/50-60		400V/1ph/50-60	
Dimensions HxWxD		mm	430x280x170					
Cooling capacity EN814 A35A35		W	350/370					
Cooling capacity EN814 A35A50		W	200/220					
Air flow rate (free blow)	inside	m3/h	165/200					
	outside	m3/h	360/420					
Max current		A	1.8/1.9		3.6/3.8		1/1.1	
Delayed fuse		A	4		6		4	
Absorbed electric power EN814 A35A35		W	260/270					
Absorbed electric power EN814 A35A50		W	280/300					
Refrigerant (type/charge)		kg	R134a/0,2					
Maximum Pressure		bar	25					
Operating temperature (ambient)		°C	+20/+55					
Operating temperature (enclosure)		°C	+20/+45					
Temperature controller (factory set at 35°C)		-	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat
Compressor type		-	Rotative compressor					
Noise level		dB(A)	60					
Electrical connection		-	Three-pole connector					
Protection degree EN60529/1 enclosure inside		-	IP54					
Protection degree EN60529/1 ambient inside		-	IP34					
Weight (with packaging)		kg	15(16)		18(19)			
Colour		-	RAL 7035					
Conformity/Certifications		-	CE					

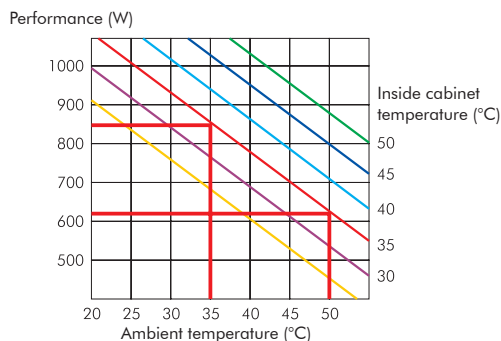
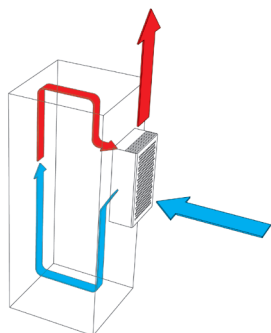
Accessories

Door limit switch	FINCOR
Door limit switch with mechanical lock	FINRIP
Flashing safety device	FSL
Flow diverter*	FD035

DRILLING TEMPLATE



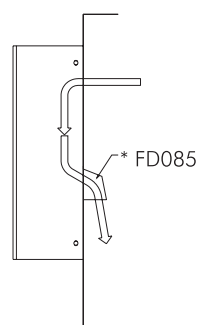
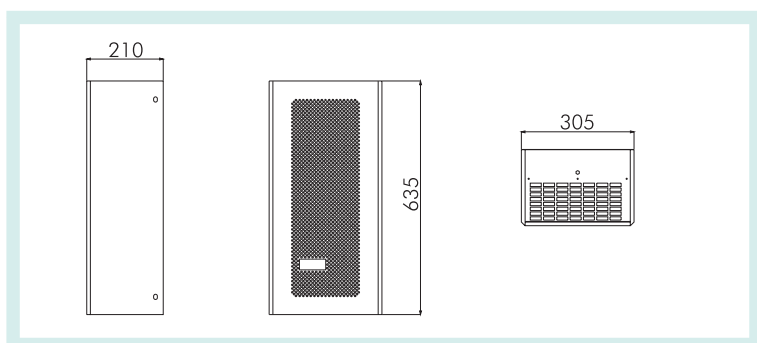
AVC 085



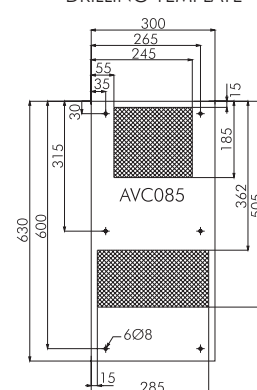
Features		Unit	AVC085.00	AVC085.01	AVC085.10	AVC085.11	AVC085.20	AVC085.21
Power supply		V/Hz	230V/1ph/50-60		115V/1ph/50-60		400V/1ph/50-60	
Dimensions HxWxD		mm	635x305x210					
Cooling capacity EN814 A35A35		W	850/900					
Cooling capacity EN814 A35A50		W	625/650					
Air flow rate (free blow)	inside	m3/h	350/390					
	outside	m3/h	600/625					
Max current		A	2.65/2.75		5.3/5.4		1.65/1.75	
Delayed fuse		A	10		16		10	
Absorbed electric power EN814 A35A35		W	500/520					
Absorbed electric power EN814 A35A50		W	600/620					
Refrigerant (type/charge)		kg	R134a/0,3					
Maximum Pressure		bar	25					
Operating temperature (ambient)		°C	+20/+55					
Operating temperature (enclosure)		°C	+20/+45					
Temperature controller (factory set at 35°C)		-	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat
Compressor type		-	Rotative compressor					
Noise level		dB(A)	62					
Electrical connection		-	Three-pole connector					
Protection degree EN60529/1 enclosure inside		-	IP54					
Protection degree EN60529/1 ambient inside		-	IP34					
Weight (with packaging)		Kg	25(26)		32(33)			
Colour		-	RAL 7035					
Conformity/Certifications		-	CE					

Accessories

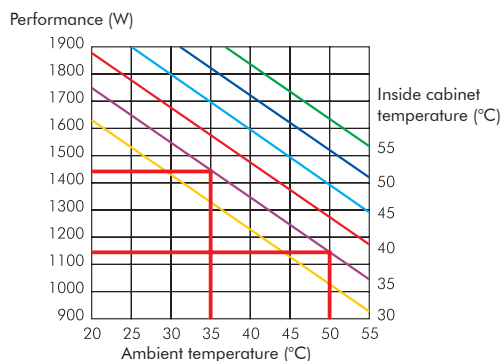
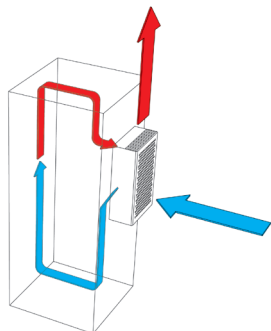
Door limit switch	FINCOR
Door limit switch with mechanical lock	FINRIP
Flashing safety device	FSL
Flow diverter*	FD085



DRILLING TEMPLATE



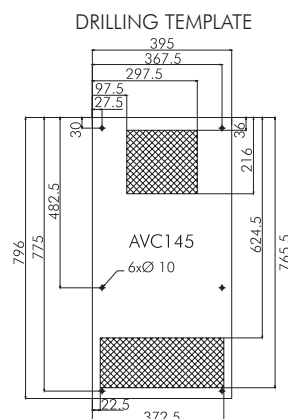
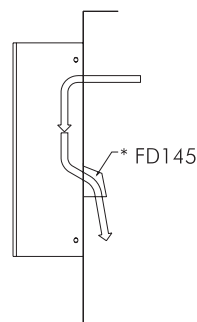
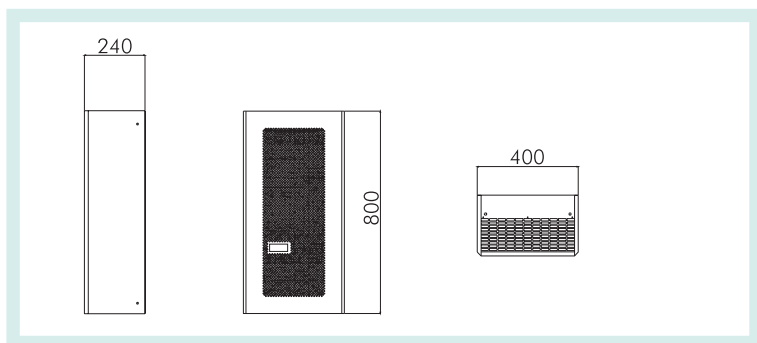
AVC 145



Features		Unit	AVC145.00	AVC145.01	AVC145.10	AVC145.11	AVC145.20	AVC145.21
Power supply		V/Hz	230V/1ph/50-60		115V/1ph/50-60		400V/1ph/50-60	
Dimensions HxWxD		mm	800x400x240					
Cooling capacity EN814 A35A35		W	1450/1500					
Cooling capacity EN814 A35A50		W	1150/1200					
Air flow rate (free blow)	inside	m3/h	600/625					
	outside	m3/h	880/950					
Max current		A	4.5/4.6		9.3/9.1		2.25/2.4	
Delayed fuse		A	16		20		16	
Absorbed electric power EN814 A35A35		W	850/590					
Absorbed electric power EN814 A35A50		W	990/1050					
Refrigerant (type/charge)		kg	R134a/0,7					
Maximum Pressure		bar	25					
Operating temperature (ambient)		°C	+20/+55					
Operating temperature (enclosure)		°C	+20/+45					
Temperature controller (factory set at 35°C)		-	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat	Integrated mechanical thermostat	Integrated digital thermostat
Compressor type		-	Rotative compressor					
Noise level		dB(A)	65					
Electrical connection		-	Three-pole connector					
Protection degree EN60529/1 enclosure inside		-	IP54					
Protection degree EN60529/1 ambient inside		-	IP34					
Weight (with packaging)		Kg	40(41)		52(53) +			
Colour		-	RAL 7035					
Conformity/Certifications		-	CE					

Accessories

Door limit switch	FINCOR
Door limit switch with mechanical lock	FINRIP
Flashing safety device	FSL
Flow diverter*	FD145



Filter Fans

High performance and fast mounting

Modern design

A positive visual impact is given by the up-to-date design of the grills and the minimal external projection. All moulded parts are made of highly resistant and self-extinguishing ABS, UL94 VO grade. The standard color is RAL 7032. RAL 7035 is also available. On request and for substantial quantities, non standard colors are also available.

Fast installation

Installation is fast thanks to the simple square cut-out on the enclosure panel and to the snap-in fixing system. No screws are needed. The snap-in fixing system can be used on panels with thickness in the range 1.2 - 2.4 mm. For different thickness, fixing can still be done with the screw kit included in each pack for this purpose.

Wide range of air flow ratings

The range of air flow ratings goes from 24 to 630 m³/h. For all filter fans, default air flow direction is from the outside towards the inside of the enclosure. If needed the user can easily reverse the direction by simply re-assembling the fan in the opposite way (only on specified models).

No interference outside the enclosure

5 mm is the maximum projection outside the enclosure. This means no problems during transportation and enclosure operational life, typical instead of the bigger and cumbersome traditional units.

High reliability

Alfa Electric only uses the best quality ball bearing fans. They ensure a high efficiency and have an expected life of 30.000 working hours at an ambient temperature of 55°C. They are all designed to ensure a quick and safe electrical connection.

Optimal enclosure protection

The special configuration of the grill, the self-adhesive gasket and the filter mat ensure an IP54 protection degree towards the enclosure.

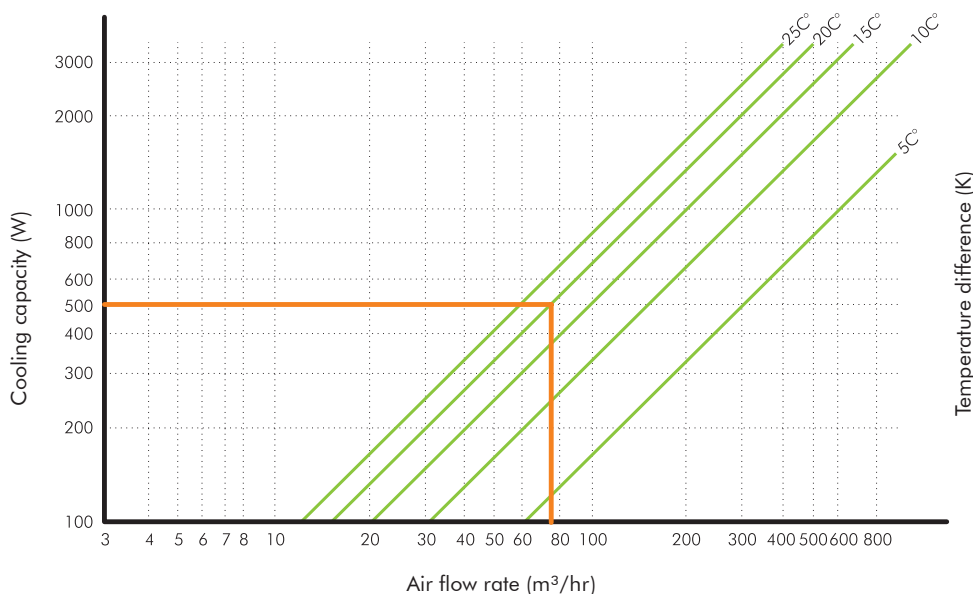
Power supply

Alfa Electric filter fans are available in the following AC supply voltages: 230V single-phase, 115V single-phase and 400V three-phase, all bi-frequency 50-60 Hz. In addition, 24 and 48VDC versions are available up to 230 m³/h. On request they can also be available with other rated voltages not shown in this catalogue.

Filter units

To achieve optimal cooling air circulation, filter fans are used together with filter units. Filter units are available in four different sizes and have the same design of the external part of a filter fan.

Cooling performance diagram

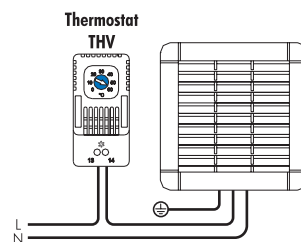


Example:

Waste heat to be removed 500W
 Temperature difference 20K
 Air flow required 78m³/hr

Filter fan unit solution: n. 1 ALFA2300BP
 +
 n. 1 ALFA2000BP

When selecting a Filter Fan unit, always keep a margin of at least 10% to compensate for any air flow decay due to filter mat clogging.



ALFAA5



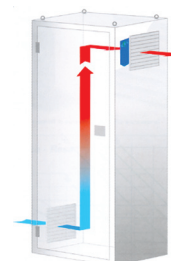
Features	Unit	ALFAA000BP	ALFAA500BP	ALFAA510BP	ALFAA512BP	ALFAA524BP
Air flow rate (free blow)	m³/h	-	24(28)		24	
Flow rate with exit filter	m³/h	-	14(17)		14	
Power supply	V/Hz	-	230/50-60	115/50-60	12DC	24DC
Dimensions HxWxD	mm	114x114x17	114x114x57		114x114x45	
Power consumption	W	-	13(12)		3	4
Current consumption	A	-	0.10(0.08)	0.14(0.12)	0.25	0.16
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	30(35)		35	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU2				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.06(0.10)	0.38(0.43)		0.18(0.23)	
Package dimensions	mm	120x120x20	120x120x60			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

UL c File n. E301228	ALFAA000BPU	ALFAA500BPU	ALFAA510BPU	ALFAA512BPU	ALFAA524BPU
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

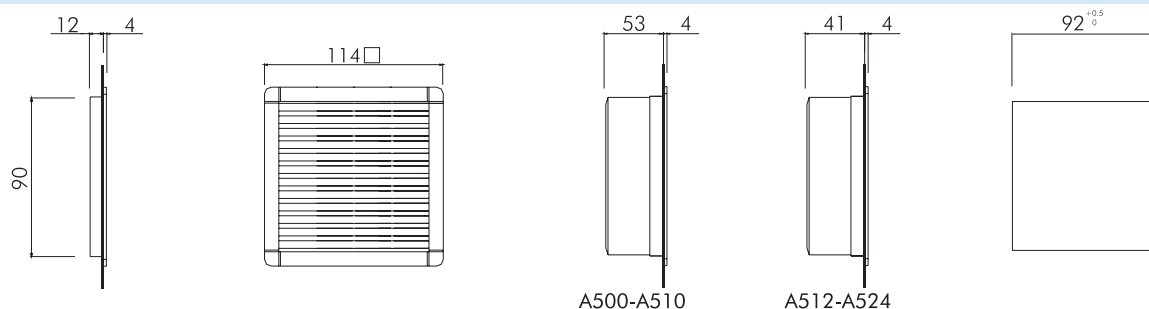
Accessories

Filter mat, standard type	ALFAFBP00				
Filter mat, high efficiency	ALFAFBP00X				
Thermostat, NO contact	-	THV02			



TIP

If possible it is better to use the units with the air flow from the outside to the enclosure inside. The slight pressurization of the panel prevents dust from getting through any openings.



ALFA15 - ALFA16



Features	Unit	ALFA1000BP	ALFA1600BP	ALFA1610BP	ALFA1524BPT	ALFA1548BPT
Air flow rate (free blow)	m³/h	-	55(60)		55	
Flow rate with exit filter	m³/h	-	40(45)		40	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	150x150x28	150x150x77			
Power consumption	W	-	22(21)		9	13
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU3				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.16(0.21)	0.78(0.85)		0.47(0.54)	
Package dimensions	mm	165x165x45	165x165x85			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

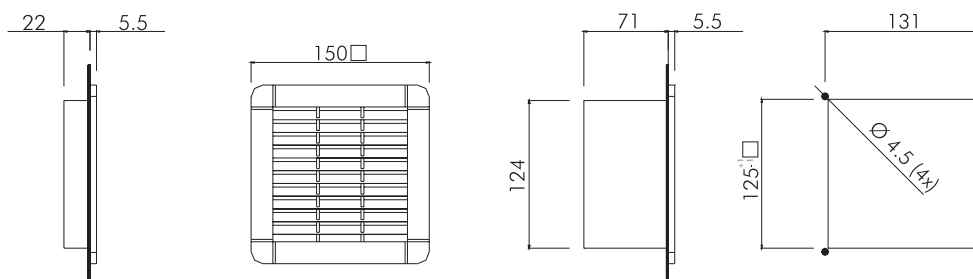
UL cULus File n. E301228	ALFA1000BPU	ALFA1600BPU	ALFA1610BPU	ALFA1524BPTU	ALFA1548BPTU
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

Accessories

Filter mat, standard type	ALFAFBP10				
Filter mat, high efficiency	ALFAFBP10X				
Thermostat, NO contact	-	THV02			
Power cord 1m	-	SPINOTTOA2-10		-	

TIP

If you are using the high filtering capacity filter mat remember that air flow rate will decrease.



ALFAB5



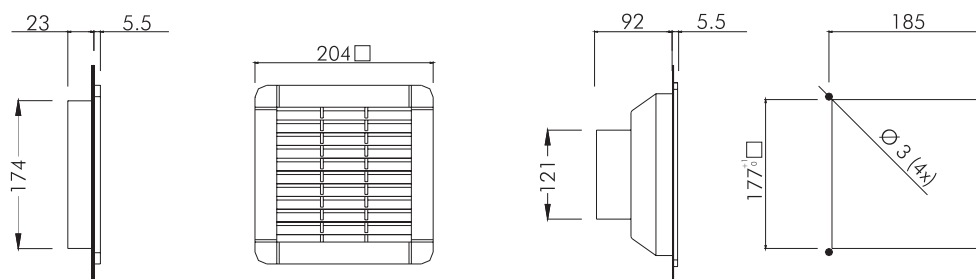
Features	Unit	ALFAB000BP	ALFAB500BP	ALFAB510BP	ALFAB524BPT	ALFAB548BPT
Air flow rate (free blow)	m³/h	-	100(110)		100	
Flow rate with exit filter	m³/h	-	75(90)		75	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	204x204x30	204x204x98			
Power consumption	W	-	22(21)		9	13
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU3				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.26(0.36)	1.00(1.20)		0.70(0.90)	
Package dimensions	mm	280x260x40	270x270x130			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

UL c File n. E301228	ALFAB000BPU	ALFAB500BPU	ALFAB510BPU	ALFAB524BPTU	ALFAB548BPTU
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

Accessories

Filter mat, standard type	ALFAFBPBO				
Filter mat, high efficiency	ALFAFBPBOX				
Thermostat 0-60°C, N. Open	-	THV02			
Power cord 1m	-	SPINOTTOA2-10		-	



ALFAB6



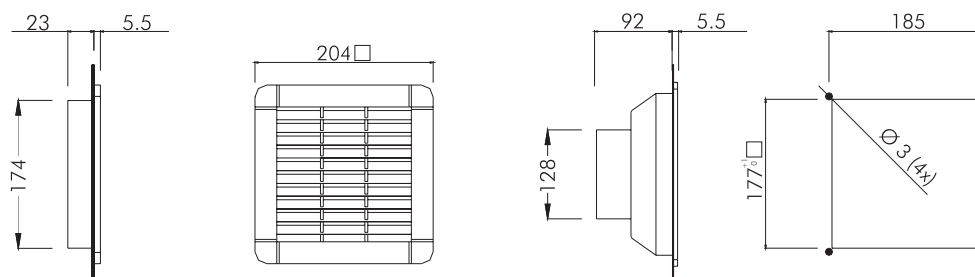
Features	Unit	ALFAB000BP	ALFAB600BP	ALFAB610BP	ALFAB624BPT	ALFAB648BPT
Air flow rate (free blow)	m³/h	-	110(120)		110	
Flow rate with exit filter	m³/h	-	80(95)		80	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	204x204x30	204x204x98			
Power consumption	W	-	24(23)		9	13
Current consumption	A	-	0.15(0.13)	0.30(0.26)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU3				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.26(0.36)	0.95(1.15)		0.65(0.85)	
Package dimensions	mm	280x260x40	270x270x130			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

UL cUL File n. E301228	ALFAB000BPU	ALFAB600BPU	ALFAB610BPU	-	-
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

Accessories

Filter mat, standard type	ALFAFBPBO				
Filter mat, high efficiency	ALFAFBPBOX				
Thermostat 0-60°C, N. Open	-	THV02			
Power cord 1m	-	SPINOTTOA2-10		-	



ALFA23



Features	Unit	ALFA2000BP	ALFA2300BP	ALFA2310BP	ALFA2324BPT	ALFA2348BPT
Air flow rate (free blow)	m³/h	-	105(120)		105	
Flow rate with exit filter	m³/h	-	80(95)		80	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	250x250x30	250x250x111			
Power consumption	W	-	22(21)		9	13
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU3				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.42(0.52)	1.20(1.40)		0.90(1.10)	
Package dimensions	mm	280x260x40	270x270x130			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

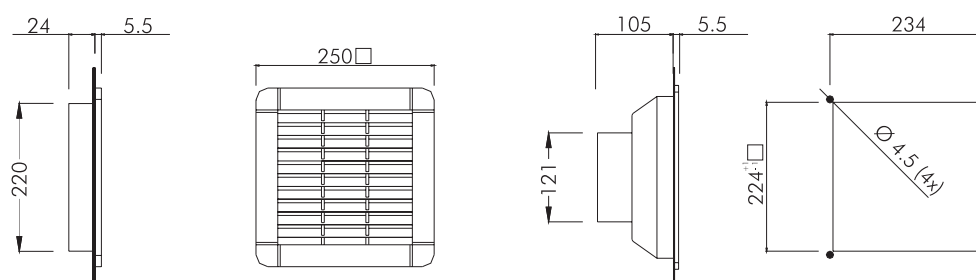
UL c File n. E301228	ALFA2000BPU	ALFA2300BPU	ALFA2310BPU	ALFA2324BPTU	ALFA2348BPTU
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

Accessories

Filter mat, standard type	ALFAFBP20				
Filter mat, high efficiency	ALFAFBP20X				
Thermostat 0-60°C, N. Open	-	THV02			
Power cord 1m	-	SPINOTTOA2-10		-	

TIP

DC powered filter fan units can be the best way to prevent EMC interference to monitors and other sensitive equipment inside the enclosure.



ALFA24



Features	Unit	ALFA2000BP	ALFA2400BP	ALFA2410BP	ALFA2424BPT	ALFA2448BPT
Air flow rate (free blow)	m³/h	-	120(130)		120	
Flow rate with exit filter	m³/h	-	95(105)		95	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	250x250x30	250x250x111			
Power consumption	W	-	24(23)		9	13
Current consumption	A	-	0.15(0.13)	0.30(0.26)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm		2-pole terminal 1.5 mm²	
Duty cycle	-	-	100%			
Operating temperature	°C	-	-10/+70			
Protection degree/class	-	IP54	IP54/Class I			
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-	outside-in			
Bearing	-	-	ball			
Filter mat (Eurovent)	-	EU3				
Service life (at 40°C)	hr	-	50,000			
Material	-	ABS UL94V-0 Color RAL7032				
Wall thickness	mm	1.2-2.4				
Gasket	-	self-adhesive				
Weight (with packaging)	kg	0.42(0.52)	1.25(1.45)		0.95(1.15)	
Package dimensions	mm	280x260x40	270x270x130			
Mounting	-	Fast Clip-on				
Conformity/Approvals	-	CE				

Versions

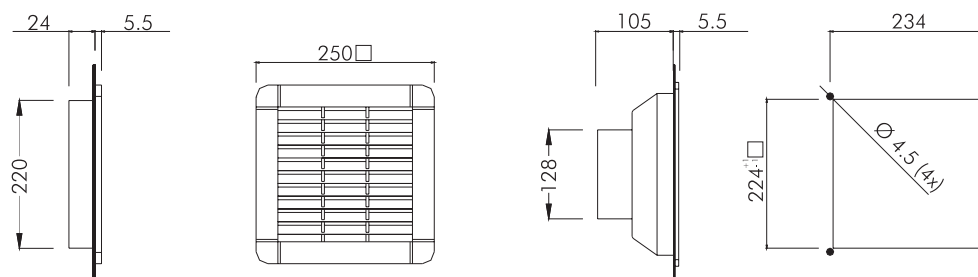
UL c File n. E301228	ALFA2000BPU	ALFA2400BPU	ALFA2410BPU	-	-
RAL7035 - Code ending	B				
EMC - Code ending	M				
Reverse flow - Code ending	-	PR			

Accessories

Filter mat, standard type	ALFAFBP20				
Filter mat, high efficiency	ALFAFBP20X				
Thermostat 0-60°C, N. Open	-	THV02			
Power cord 1m	-	SPINOTTOA2-10		-	

TIP

The filter fan unit can be switched on by a thermostat that will power it only when the temperature exceeds a set threshold (e.g. 35°C). The fan works only when cooling is needed which saves energy, increases the lifetime of the filter mat and reduce maintenance frequency.



ALFA25 - ALFA26



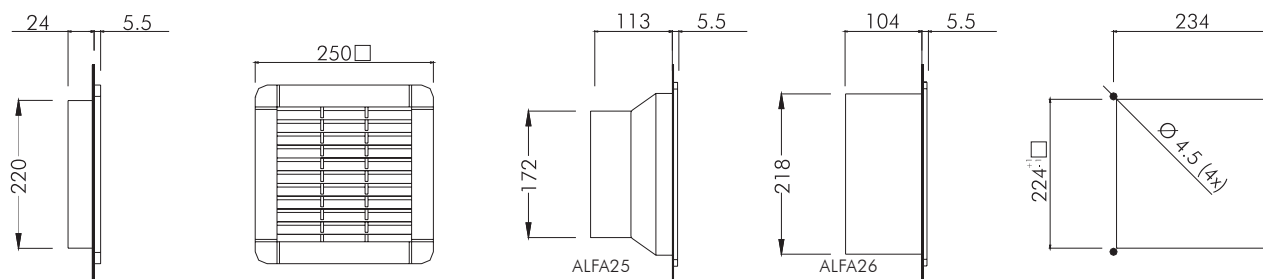
Features	Unit	ALFA2000BP	ALFA2500BP	ALFA2510BP	ALFA2524BPT	ALFA2548BPT	ALFA2600BP	ALFA2610BP	ALFA2640BP
Air flow rate (free blow)	m³/h	-	230(260)		230		370(400)		
Flow rate with exit filter	m³/h	-	180(210)		180		250(270)		
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC	230/50-60	115/50-60	400/50-60
Dimensions HxWxD	mm	250x250x30	250x250x119				250x250x110		
Power consumption	W	-	40(38)		26	33	70(90)		60(70)
Current consumption	A	-	0.17(0.16)	0.34(0.32)	1.08	0.68	0.40(0.38)	0.80(0.76)	0.18(0.15)
Overcurrent protection	-	-	thermal		impedance		thermal		
Electric connection	-	-	3-pole terminal 2.5 mm²				4-pole terminal 1.5 mm²		
Duty cycle	-	-	100%						
Operating temperature	°C	-	-10/+70						
Protection degree/class	-	IP54	IP54/Class I						
Noise level	dB(A)	-	53(58)		61		65(68)		
Flow direction	-	-	outside-in						
Bearing	-	-	ball						
Filter mat (Eurovent)	-	EU3							
Service life (at 40°C)	hr	-	50,000						
Material	-	ABS UL94V-0 Color RAL7032							
Wall thickness	mm	1.2-2.4							
Gasket	-	self-adhesive							
Weight (with packaging)	kg	0.42(0.52)	1.60(1.80)		1.20(1.40)		2.50(2.70)		
Package dimensions	mm	280x260x40	270x270x130						
Mounting	-	Fast Clip-on							
Conformity/Approvals	-	CE							

Versions

UL File n. E301228	ALFA2000BPU	ALFA2500BPU	ALFA2510BPU	ALFA2524BPTU	ALFA2548BPTU	ALFA2600BPU	ALFA2610BPU	-
RAL7035 - Code ending	B							
EMC - Code ending	M							
Reverse flow - Code ending	-	PR						

Accessories

Filter mat, standard type	ALFAFBP20							
Filter mat, high efficiency	ALFAFBP20X							
Thermostat 0-60°C, N. Open	-	THV02						



ALFA35 - ALFA36



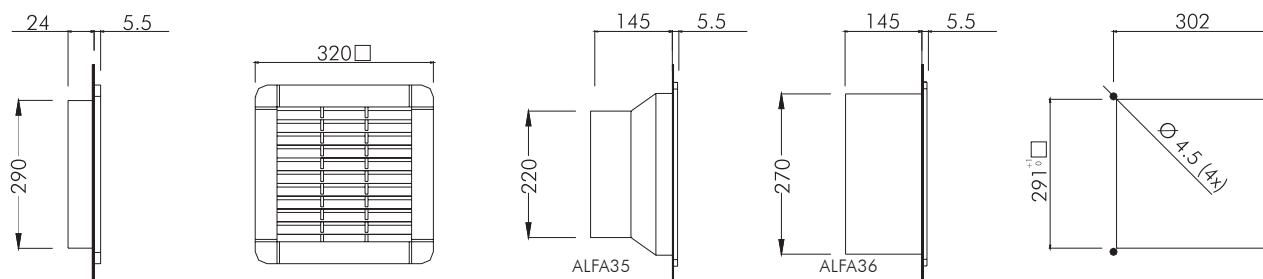
Features	Unit	ALFA3000BP	ALFA3500BP	ALFA3510BP	ALFA3540BP	ALFA3600BP	ALFA3610BP
Air flow rate (free blow)	m³/h	-	500(570)			630(700)	
Flow rate with exit filter	m³/h	-	370(410)			470(520)	
Power supply	V/Hz	-	230/50-60	115/50-60	400/50-60	230/50-60	115/50-60
Dimensions HxWxD	mm	325x325x30	325x325x151				
Power consumption	W	-	70(90)		60(70)	130(180)	
Current consumption	A	-	0.40(0.38)	0.80(0.76)	0.18(0.15)	0.55(0.81)	1.10(1.62)
Overcurrent protection	-	-	thermal				
Electric connection	-	-	3-pole terminal 2.5 mm²			4-pole terminal 1.5 mm²	
Duty cycle	-	-	100%				
Operating temperature	°C	-	-10/+70				
Protection degree/class	-	IP54	IP54/Class I				
Noise level	dB(A)	-	65(68)			72(73)	
Flow direction	-	-	outside-in				
Bearing	-	-	ball				
Filter mat (Eurovent)	-	EU3					
Service life (at 40°C)	hr	-	50,000				
Material	-	ABS UL94V-0 Color RAL7032					
Wall thickness	mm	1.2-2.4					
Gasket	-	self-adhesive					
Weight (with packaging)	kg	0.64(0.78)	3.00(3.25)			3.65(3.90)	
Package dimensions	mm	340x330x45	330x330x155				
Mounting	-	Fast Clip-on					
Conformity/Approvals	-	CE					

Versions

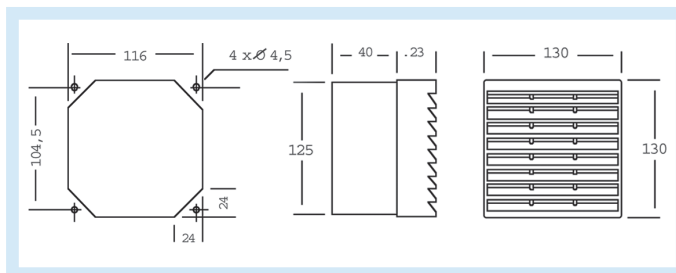
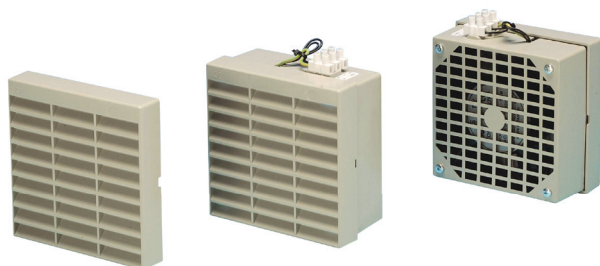
UL cUL File n. E301228	ALFA3000BPU	ALFA3500BPU	ALFA3510BPU	-	-	-
RAL7035 - Code ending	B					
EMC - Code ending	M					
Reverse flow - Code ending	-	PR				

Accessories

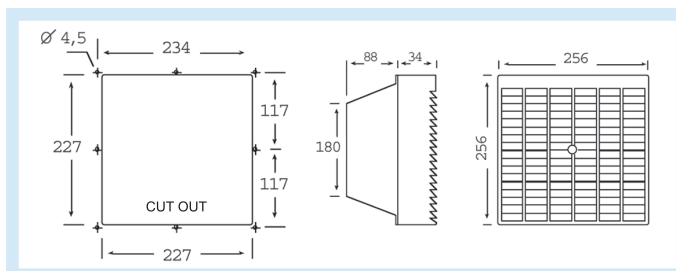
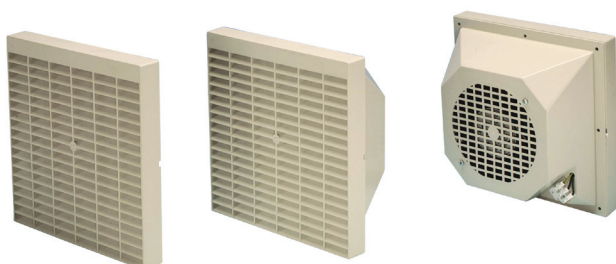
Filter mat, standard type	ALFAFBP30					
Filter mat, high efficiency	ALFAFBP30X					
Thermostat 0-60°C, N. Open	-	THV02				



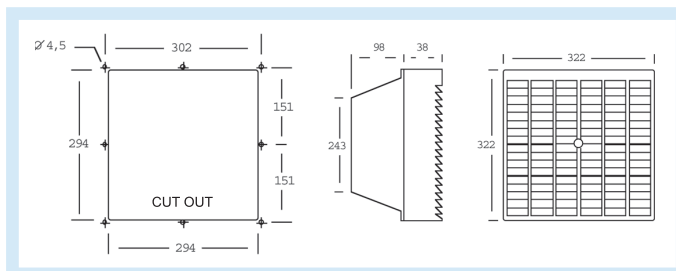
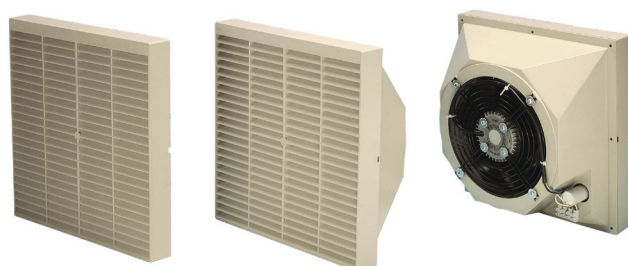
ALFA 1000 series



ALFA 2000 series



ALFA 3000 series



Model	Description	Voltage (V)	Frequency (Hz)	Power (W)	Absorbed current (A)	Noise level dB (A)	Filter fan air volume free blowing m³/h	Filter fan air volume with exit filter **m³/h
ALFA 1000 AP	Filter 130x130							
ALFA 1524 APT	Filter fan 130x130	24 DC		9	0.37	47	55	40
ALFA 1548 APT	Filter fan 130x130	48 DC		13	0.27	47	55	40
ALFA 1600 AP	Filter fan 130x130	230	50/60	19/18	0.14/0.12	46/50	55/60	40/45
ALFA 1610 AP	Filter fan 130x130	115	50/60	19/18	0.25/0.19	46/50	55/60	40/45
ALFA 2000 AP	Filter 256x256							
ALFA 2324 APT	Filter fan 256x256	24 DC		9	0.37	47	105	80
ALFA 2348 APT	Filter fan 256x256	48DC		13	0.27	47	105	80
ALFA 2400 AP	Filter fan 256x256	230	50/60	19/18	0.14/0.12	47/53	120/130	95/105
ALFA 2410 AP	Filter fan 256x256	115	50/60	19/18	0.25/0.19	47/53	120/130	95/105
ALFA 2500 AP	Filter fan 256x256	230	50/60	40/38	0.30/0.27	56/58	230/260	175/200
ALFA 2510 AP	Filter fan 256x256	115	50/60	40/38	0.60/0.55	56/58	230/260	175/200
ALFA 2524 APT	Filter fan 256x256	24 DC		22	1.08	56	230	175
ALFA 2548 APT	Filter fan 256x256	48 DC		33	0.68	56	230	175
ALFA 3000 AP	Filter 325x325							
ALFA 3500 AP	Filter fan 325x325	230	50/60	70/90	0.40/0.38	65/68	480/530	350/380
ALFA 3510 AP	Filter fan 325x325	115	50/60	70/90	0.80/0.76	65/68	480/530	350/380
ALFA 3540 AP	Filter fan 325x325	400-3	50/60	60/70	0.18/0.15	65/68	500/550	350/380

**Jointed an exit filter of equal dimension

TECHNICAL FEATURES: products comply with directives 73/23/EEC and 89/336/EEC; ball bearing axial fans marked CE (some models available with UL and CSA approval); plastic material self-extinguish ABS V0 RAL 7032/7035 black on request; high efficiency dust filters made of self-extinguish acrylic fibre; protection degree IP54.

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ALFATORR ROOF FAN AND VENT



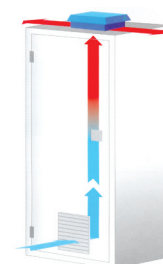
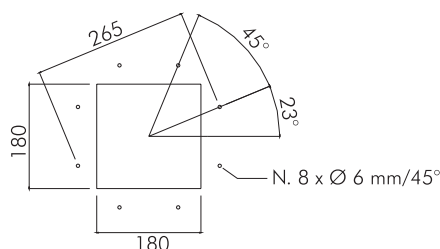
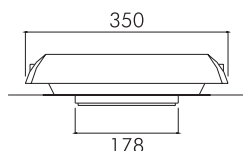
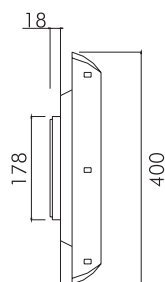
Features	Unit	ALFATORR	ALFATORR0600	ALFATORR0610	ALFATORR0860	ALFATORR0861	ALFATORR1000	ALFATORR1010
Air flow rate (free blow)	m³/h	-	600(625)		860(950)		1,000(1,050)	
Flow rate with inlet filter	m³/h	-	430(450)		580(640)		700(720)	
Power supply	V/Hz	-	230/50-60	115/50-60	230/50-60	115/50-60	230/50-60	115/50-60
Dimensions HxWxD	mm	400x350x102	400x350x102					
Power consumption	W	-	70(90)		85(115)		120(170)	
Current consumption	A	-	0.32(0.40)	0.64(0.80)	0.43(0.50)	0.86(1.00)	0.50(0.75)	1.00(1.50)
Overcurrent protection	-	-	thermal					
Electric connection	-	-	4-pole terminal 2.5 mm²					
Duty cycle	-	-	100%					
Operating temperature	°C	-	-10/+70					
Protection degree enclosure side	-	IP44						
Protection class	-	-	Class I					
Noise level	dB(A)	-	64(65)		72(73)			
Flow direction	-	-	inside-out					
Bearing	-	-	ball					
Service life (at 40°C)	hr	-	50,000					
Material	-	ABS UL94V-0 Color RAL7032						
Gasket	-	Polythene						
Weight (with packaging)	kg	2.30(2.50)	3.65(3.85)		4.00(4.20)		4.75(4.95)	
Package dimensions	mm	410x360x130						
Mounting	-	Screws						
Conformity/Approvals	-	CE						

Versions

UL c File n. E301228	ALFATORRU	ALFATORR0600U	ALFATORR0610U	ALFATORR0860U	ALFATORR0861U	-
RAL7035 - Code ending	B					
EMC - Code ending	M					-

Accessories

Thermostat 0-60°C, N. Open	-	THV02
Grill with filter mat		ALFA3000BP
Filter mat for IP54		ALFATORRF



ALFATORR14

ROOF FANS



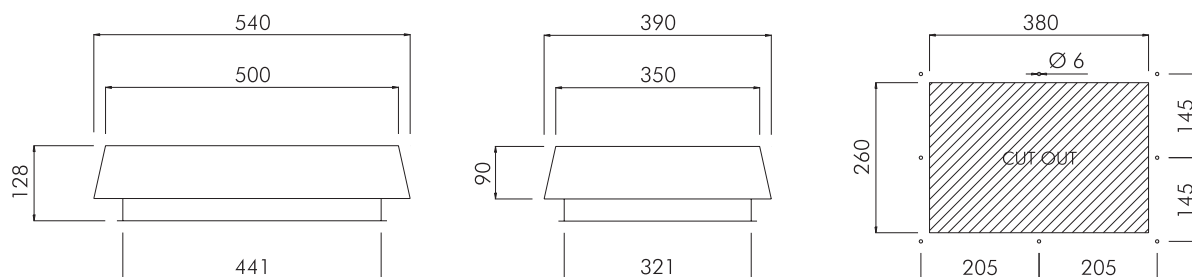
Features	Unit	ALFATORR1450	ALFATORR1451
Air flow rate (free blow)	m³/h	1500/(1550)	1500/(1550)
Flow rate with filter fan	m³/h	900/(950)	900/(950)
Power supply	V/Hz	230-50/60	115-50/60
Dimensions HxWxD	mm	540x390x128	540x390x128
Power consumption	W	160/(215)	160/(215)
Current consumption	A	0.70/(0.98)	1.40(1.96)
Overcurrent protection	-	thermal	thermal
Electric connection	-	4-pole terminal	4-pole terminal
Duty cycle	-	100%	100%
Operating temperature	°C	-20/+50	-20/+50
Protection degree enclosure side/class	-	IP44/Class I	IP44/Class I
Noise level	dB(A)	74/(75)	74/(75)
Flow direction	-	inside-out	inside-out
Bearing	-	ball	ball
Service life (at 40°C)	hr	50,000	50,000
Material	-	metal	metal
Gasket	-	PVC	PVC
Weight (with packaging)	kg	11.3(12.3)	11.3(12.3)
Package dimensions	mm	550x400x140	550x400x140
Mounting	-	Screws	Screws
Conformity/Approvals	-	CE	

Versions

RAL7035 - Code ending	B	B
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Accessories

Thermostat 0-60°C, N. Open	THV02	THV02
Grill with filter mat	ALFA3000BP	ALFA3000BP



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RACK

FAN TRAYS FOR 19" ENCLOSURES

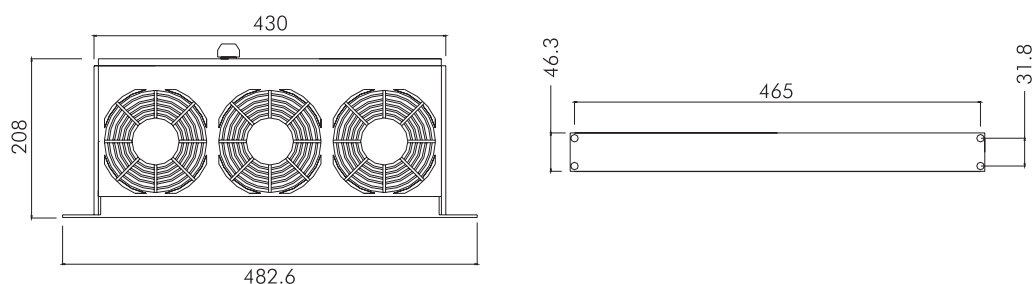


Features	Unit	RACK0222	RACK0212	RACK0224	RACK0248	RACK0322	RACK0312	RACK0324	RACK0348
Air flow rate (free blow)	m³/h	300(360)		300		450(540)		450	
Power supply	V/Hz	230/50-60	115/50-60	24DC	48DC	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	482x44x208							
Power consumption	W	36(34)		18	28	54(51)		27	42
Current consumption	A	0.26(0.22)	0.48(0.36)	0.75	0.58	0.39(0.33)	0.72(1.08)	1.12	0.88
Overcurrent protection	-	impedance							
Electric connection	-	3-pole terminal 2.5 mm²							
Duty cycle	-	100%							
Operating temperature	°C	-10/+70							
Protection degree/class	-	IP30/Class I							
Noise level	dB(A)	51(52)							
Flow direction	-	bottom to top							
Bearing	-	ball							
Service life (at 40°C)	hr	50,000							
Material	-	PC-ABS UL94V-0 Color RAL7035							
Weight (with packaging)	kg	2.10(2.30)		1.60(1.80)		2.60(2.80)		1.85(2.05)	
Package dimensions	mm	510x220x65							
Mounting	-	Screws							
Conformity/Approvals	-	CE							

Accessories

Thermostat 0-60°C, N. Open

THV02





AC fans

DC fans



Code	m ³ /hr	Bearing	Power supply V/Hz	Connection	Dim. mm.
V1081BT230VAC	160	ball	220-240/50-60	fast-on	119x119x38
V1081BT115VAC	160	ball	110-120/50-60	fast-on	119x119x38
V1081BT24VAC	160	ball	24/50-60	fast-on	119x119x38
V1081BT48VAC	160	ball	48/50-60	fast-on	119x119x38
V1081ST230VAC	160	sleeve	220-240/50-60	fast-on	119x119x38
V1081ST115VAC	160	sleeve	110-120/50-60	fast-on	119x119x38
V1081ST24VAC	160	sleeve	24/50-60	fast-on	119x119x38
V1081ST48VAC	160	sleeve	48/50-60	fast-on	119x119x38
V1087BT230VAC	190	ball	220-240/50-60	fast-on	127x127x38
V1087BT115VAC	190	ball	110-120/50-60	fast-on	127x127x38
V108XT230VAC	105	ball	220-240/50-60	fast-on	120x120x25
V108XT115VAC	105	ball	110-120/50-60	fast-on	120x120x25
V108JCSW230VA	65	sleeve	220-240/50-60	wires	92x92x38
V108JCSW115VA	65	sleeve	110-120/50-60	wires	92x92x38
V108JCBT230VA	65	ball	220-240/50-60	fast-on	92x92x38
V108JCBT115VA	65	ball	110-120/50-60	fast-on	92x92x38
V108BBT230VAC	50	ball	220-240/50-60	fast-on	92x92x25
V108BBT115VAC	50	ball	110-120/50-60	fast-on	92x92x25
V108BST230VAC	50	sleeve	220-240/50-60	fast-on	92x92x25
V108BST115VAC	50	sleeve	110-120/50-60	fast-on	92x92x25
V108ABT230VAC	45	ball	220-240/50-60	fast-on	80x80x38
V108ABT115VAC	45	ball	110-120/50-60	fast-on	80x80x38
V108AST230VAC	45	sleeve	220-240/50-60	fast-on	80x80x38
V108AST115VAC	45	sleeve	110-120/50-60	fast-on	80x80x38
V108AXBT230VA	35	ball	220-240/50-60	fast-on	80x80x25
V108AXBT115VA	35	ball	110-120/50-60	fast-on	80x80x25
V108AXST230VA	35	sleeve	220-240/50-60	fast-on	80x80x25
V108AXST115VA	35	sleeve	110-120/50-60	fast-on	80x80x25
V108XBT230VA	325	ball	220-240/50-60	fast-on	172x150x51
V108XBT115VA	325	sleeve	110-120/50-60	fast-on	172x150x51
V108XST230VA	325	sleeve	220-240/50-60	fast-on	172x150x51
V108XST115VA	325	ball	110-120/50-60	fast-on	172x150x51
V108EXMBT230V	340	ball	220-240/50-60	fast-on	172x150x38
V108EXMBT115V	340	ball	110-120/50-60	fast-on	172x150x38
V108CBW230VA	350	ball	220-240/50-60	wires	162x150x55
V108CBW115VA	350	ball	110-120/50-60	wires	162x150x55
V108KBW230VAC	600	ball	220-240/50	wires	220x60
V108KBW115VAC	600	ball	110-120/50	wires	220x60
V108HHBT230VA	800	ball	220-240/50-60	fast-on	254x89
V108HHBT115VA	800	ball	110-120/50-60	fast-on	254x89

Code	m ³ /hr	Bearing	Power supply V/Hz	Connection	Dim. mm.
V108EXBW24VDC	460	ball	24 DC	wires	172x150x51
V108EXBW48VDC	460	ball	48 DC	wires	172x150x51
V1087BW24VDC	240	ball	24 DC	wires	127x127x38
V1087BW48VDC	240	ball	48 DC	wires	127x127x38
V1081BW12VDC	180	ball	12 DC	wires	119x119x38
V1081BW24VDC	180	ball	24 DC	wires	119x119x38
V1081BW48VDC	180	ball	48 DC	wires	119x119x38
V1081SW12VDC	180	sleeve	12 DC	wires	119x119x38
V1081SW24VDC	180	sleeve	24 DC	wires	119x119x38
V1081SW48VDC	180	sleeve	48 DC	wires	119x119x38
V108MBW12VDC	150	ball	12 DC	wires	120x120x25
V108MBW24VDC	150	ball	24 DC	wires	120x120x25
V108MSW12VDC	150	sleeve	12 DC	wires	120x120x25
V108MSW24VDC	150	sleeve	24 DC	wires	120x120x25
V108BBW24VDC	100	ball	24 DC	wires	92x92x25
V108DBW12VDC	65	ball	12 DC	wires	80x80x25
V108DBW24VDC	65	ball	24 DC	wires	80x80x25
V108DSW12VDC	65	sleeve	12 DC	wires	80x80x25
V108DSW24VDC	65	sleeve	24 DC	wires	80x80x25
V108FSW24VDC	35	sleeve	24 DC	wires	60x60x25
V108GBW24VDC	15	ball	24 DC	wires	40x40x20

Other articles available on demand

ALFAKF



COMPACT FILTER UNITS

Suitable for direct screw mounting on axial fans. They can also be mounted with the fan inside the enclosure.

The mounting holes have diameter Ø6.0-6.5 mm. The material is black ABS, self-extinguishing, according to UL94 V-O.

Code	Description	Dim. mm.	Pcs in 1 pack
ALFAKF060	Compact filter unit	60x60	1
ALFAKF080	Compact filter unit	80x80	1
ALFAKF092	Compact filter unit	92x92	1
ALFAKF120	Compact filter unit	120x120	1
ALFAKF150	Compact filter unit	150x150	1

ALFAKR120



COMPACT FILTER UNITS - HIGH PERFORMANCE

Compact filter unit with reduced pressure drop. Filter media, steel or acrylic, is easy accessible and cleanable. Available in three versions:

Code	Description	Dim. mm.	Pcs in 1 pack
ALFAKR120	Compact filter unit w/ standard filter mat	125x125x10	20
ALFAKR120R	Compact filter unit w/metallic filter mesh	125x125x10	20
ALFAKR120RF	Compact filter unit w/standard filter mat and metallic filter mesh	125x125x10	20

SPINOTTO



FAN POWER CORDS

Suitable to all fast-on connection fans. Black cable with injection moulded straight plug for 2,8x0,5 mm pins.

Code	Description	Pcs in 1 pack
SPINOTTOA2-06	Straight power cord 600 mm.	1
SPINOTTOA2-10	Straight power cord 1000 mm.	1
SPINOTTOA2-20	Straight power cord 2000 mm.	1

ALFAFBP



ALFAFBPx0 - Spare filter mats for filter fans

Standard filter mats for ALFAxxxxBP filter fans and filter only units. To keep high performance it is necessary to periodically check the level of filter mat clogging and, if necessary, replace it with a new one. These filters are made of self-extinguishing synthetic fibres with a progressive filtering capacity.

Code	Description	Pcs in 1 pack
ALFAFBPA0	Filter mat for ABPA000	10
ALFAFBP10	Filter mat for ABP1000	10
ALFAFBPB0	Filter mat for ABPB000	10
ALFAFBP20	Filter mat for ABP2000	10
ALFAFBP30	Filter mat for ABP3000	10

ALFAFBPx0X - High efficiency spare filter mats for filter fans

High efficiency filter mats are used in is very fine dust environments. However, air flow rates is substantially reduced and should be accounted for when selecting the filter fan.

Code	Description	Pcs in 1 pack
ALFAFBPA0X	Filter mat for ABPA000, high efficiency	10
ALFAFBP10X	Filter mat for ABP1000, high efficiency	10
ALFAFBPB0X	Filter mat for ABPB000, high efficiency	10
ALFAFBP20X	Filter mat for ABP2000, high efficiency	10
ALFAFBP30X	Filter mat for ABP3000, high efficiency	10

GRV190/GRV250

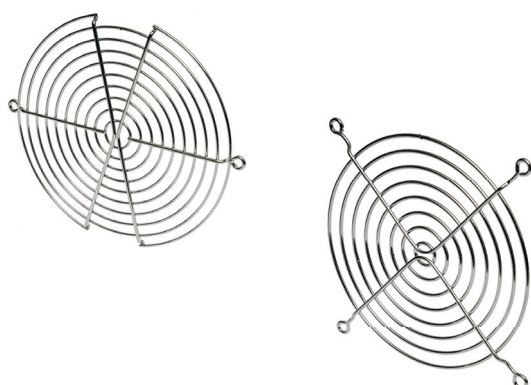


GRV190/GRV250

Grilled shroud for radial fans. They allow safe operation and increased air flow rate on radial fans.

Features	Unit	GRV190	GRV250
a	mm	170	214
b	mm	156	196
c	mm	5.8	5
d	mm	13	15
e	mm	130	166

ALFAGM



METALLIC PROTECTION GRILLS

Finger guard metallic protection grills for axial fans.

Range Ø 40-150 mm

Complying with international safety norms.

Code	Description	Dim. mm.	Pcs in 1 pack
ALFAGM040	Metallic finger protection grill	Ø 40	100
ALFAGM060	Metallic finger protection grill	Ø 60	100
ALFAGM080	Metallic finger protection grill	Ø 80	100
ALFAGM092	Metallic finger protection grill	Ø 92	100
ALFAGM120	Metallic finger protection grill	Ø 120	100
ALFAGM127	Metallic finger protection grill	Ø 127	100
ALFAGM150	Metallic finger protection grill	Ø 150	100
ALFAGM220	Metallic finger protection grill	Ø 220	100
ALFAGM254	Metallic finger protection grill	Ø 254	100

Anticondensation Heaters

Application

Enclosure heaters are often necessary to prevent failures or corrosion caused by low temperatures or high humidity inside the enclosure. Such conditions are likely to occur when ambient temperature is low and the equipment inside the enclosure is not powered or fails to dissipate enough heat to keep enclosure temperature above the minimum threshold. Outdoor enclosures, for instance, are almost always in such conditions.

Safety

According to the type of heater, surface temperature is limited either by a PTC or by an over temperature safety switch. This allows a safe operation and a self-adjusted heating power. All heaters are in Class II, except FSHT and FMHT series in Class I.

Wide range of solutions

Alfa Electric offers a wide range of solutions, all for DIN rail mounting:

SHT – PTC heaters with connection on terminals, 25-150W

SHT/W – PTC heaters with wire connection, 15-50W

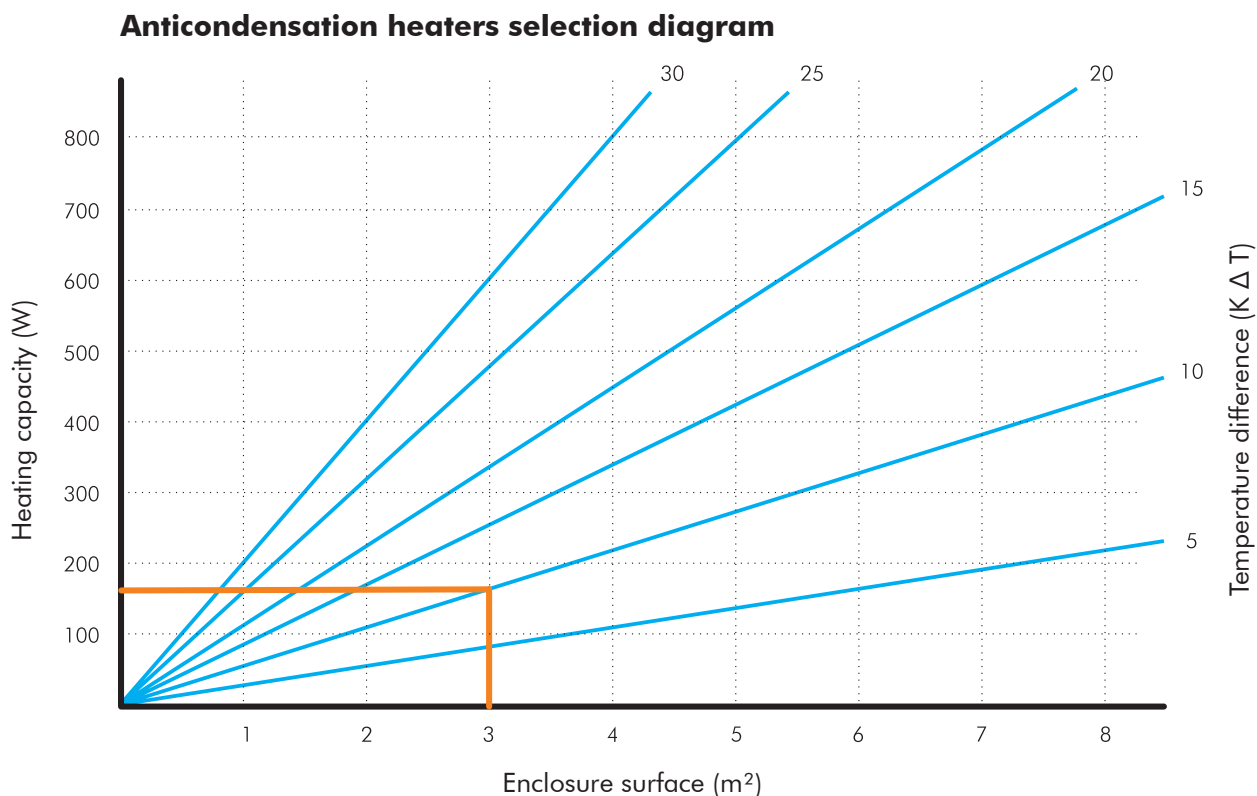
FSHT – Resistor heaters, fan assisted, 250-500W

MHT – PTC mini heaters, 5-30W

FMHT – PTC mini heaters, fan assisted, 75-230W

Fast installation

Installation is fast and simple. All units are designed for fast mounting on 35mm DIN EN 50022 rail.

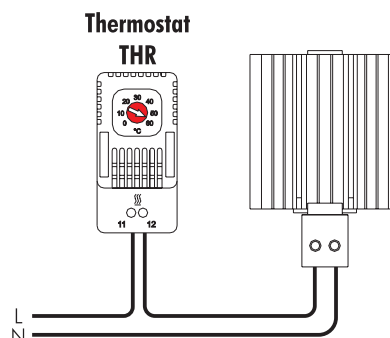


Example:

Enclosure surface 3m²
 Temperature difference 10K
 Heating capacity required 170W

Possible heater solutions:

- n. 2 SHT100
- n. 1 FSHT250
- n. 1 FMHT230





SHT

PTC HEATERS, TERMINAL CONNECTION

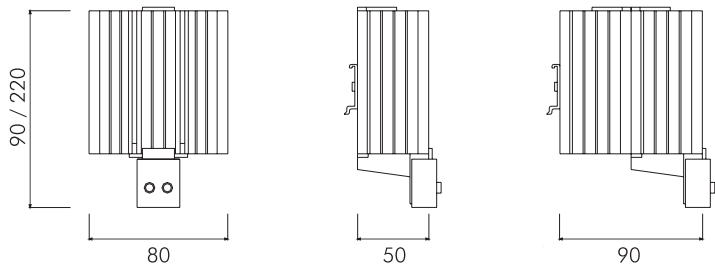


Features	Unit	SHT25	SHT50	SHT75	SHT100	SHT125	SHT150
Heating Capacity*	W	25	50	75	100	125	150
Power supply	V	110-250V AC or DC					
Max. current	A	2A	2A	4A	4A	6A	6A
Heating element type	-	PTC resistor, self regulating					
Electrical connections	-	2 screw terminals for stranded or rigid wire 2.5 mm ²					
Protection class IEC	-	Class II					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-45/+70 (-49/+158)					
Storage temperature	°C (°F)	-45/+70 (-49/+158)					
Radiator	-	Extruded aluminium profile, anodized					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	Best efficiency in vertical position					
Dimensions HxWxD	mm	90x50x80	110x50x80	160x50x80	110x90x80	160x90x80	220x90x80
Weight	kg	0.25	0.30	0.45	0.50	0.85	1.1
Conformity	-	CE					

*at 20°C (68°F) ambient temperature

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THRV22
Hygrothermostat 0-60°C 30-90%RH	ETUH22





SHT W
PTC HEATERS, WIRE CONNECTION

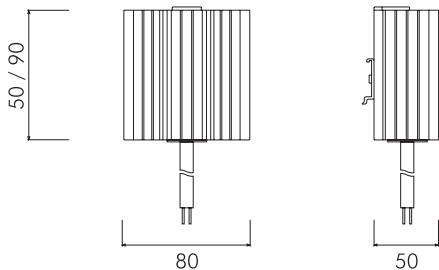


Features	Unit	SHT15W	SHT25W	SHT50W
Heating Capacity*	W	15	25	50
Power supply	V	110-250V AC or DC		
Max. current	A	2A	2A	2A
Heating element type	-	PTC resistor, self regulating		
Electrical connections	-	Silicon cable, 2x0.5 mm ² , length 400 mm		
Protection class IEC	-	Class II		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-45/+ 70 (-49/+ 158)		
Storage temperature	°C (°F)	-45/+ 70 (-49/+ 158)		
Radiator	-	Extruded aluminium profile, anodized		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Best efficiency in vertical position		
Dimensions HxWxD	mm	50x50x80	60x50x80	80x50x80
Cable length	mm	400	400	400
Weight	kg	0.20	0.24	0.29
Conformity	-	CE		

*at 20°C (68°F) ambient temperature

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THRV22
Hygrothermostat 0-60°C 30-90%RH	ETUH22





FSHT

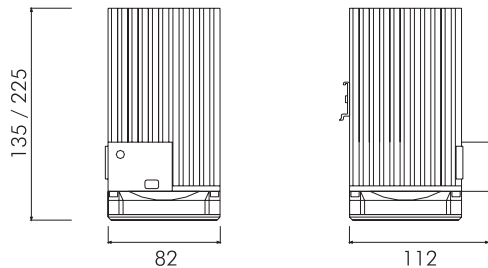
FAN ASSISTED, RESISTOR HEATERS



Features	Unit	FSHT250	FSHT251	FSHT500	FSHT501	FSHT750	FSHT751
Heating Capacity	W	250	250	500	500	750	750
Power supply	V/Hz	230/50-60	115/50-60	230/50-60	115/50-60	230/50-60	115/50-60
Max. current	A	1.2	2.4	2.4	4.8	3.6	7.2
Heating element type	-	Resistor					
Thermal protection	-	Thermal cut out fuse in case of fan failure					
Radiator	-	Extruded aluminium profile, anodized					
Axial fan	-	Ball bearing, service life 50.000 hrs at 25°C (77°F)					
		air flow rate 35 m³/h, free flow				air flow rate 44 m³/h, free flow	
Signalling		Green LED power ON					
Electrical connections	-	3 screw terminals for stranded or rigid wire 2.5 mm²					
Protection class IEC	-	Class I, earthed					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-25/+70 (-13/+158)					
Storage temperature	°C (°F)	-25/+70 (-13/+158)					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	Best performance with vertical installation					
Dimensions HxWxD	mm	135x112x82	135x112x82	165x112x82	165x112x82	225x112x82	225x112x82
Weight (with packaging)	kg	0.88(0.94)	0.88(0.94)	0.97(1.04)	0.97(1.04)	1.35(1.42)	1.35(1.42)
Conformity	-	CE					

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR22
Termoigrostat 0-60°C 30-90%RH	ETUH22





FPH

FAN ASSISTED PTC HEATERS



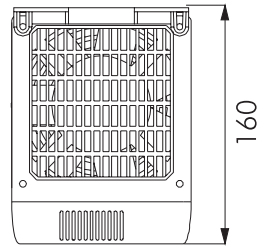
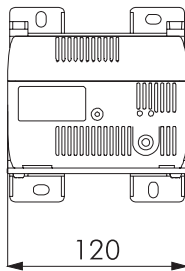
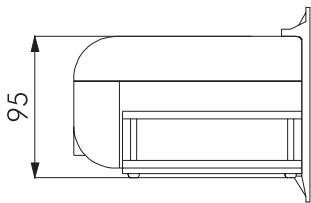
Features	Unit	FPH1200	FPH1201	FPH1500	FPH1501	FPH2000	FPH2001
Heating Capacity	W	1200	1200	1500	1500	2000	2000
Power supply	V/Hz	230/50-60	115/50-60	230/50-60	115/50-60	230/50-60	115/50-60
Heating element type	-	PTC resistor, self regulating					
Thermal protection	-	Thermal cut out in case of fan failure (auto-reset for 100,000 cycles)					
Casing	-	Plastic according to UL94 V-0, black					
Axial fan		Ball bearing, service life 50.000 hrs at 25°C (77°F), air flow rate 160 m3/h, free flow					
Control operation	-	optional					
Electrical connections		3 screw terminals for stranded or rigid wire 2.5 mm2					
Alarm output	-	optional 2 screw terminals for alarm signal 5-30V DC / 0,5A					
Protection class IEC		Class I, earthed					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-40/70 (-13/158)					
Storage temperature	°C (°F)	-40/70 (-13/158)					
Mounting	-	Screw fixing (M4)					
Installation position	-	Best performance with horizontal installation					
Dimensions HxWxD	mm	95x160x120					
Weight (with packaging)	kg	1.20(1.27)					
Conformity	-	CE					

Versions

FPH xxxx .00	without bimetallic thermostat
FPH xxxx .01	with bimetallic thermostat integrated
FPH xxxx .02	with electronic board integrated

Functions of electronic board

1. electronic temperature control
2. green LED on for proper operation, red LED on for malfunction
3. 2 screw terminals for alarm signal 5-30V DC / 0,5A





MHT
COMPACT PTC HEATERS

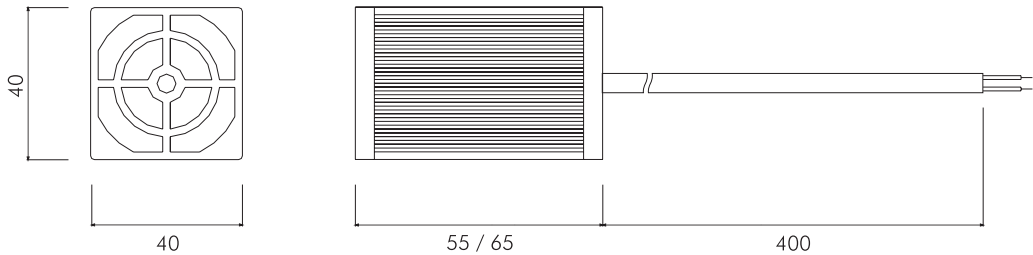


Features	Unit	MHT5	MHT15	MHT30
Heating Capacity*	W	5	15	30
Power supply	V	110-250V AC or DC		
Max. current	A	1.5	2A	2A
Heating element type	-	PTC resistor, self regulating		
Electrical connections	-	Silicon cable, 2x0,5 mm ² , length 400 mm		
Protection class IEC	-	Class II		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-45/+ 70 (-49/+ 158)		
Storage temperature	°C (°F)	-45/+ 70 (-49/+ 158)		
Radiator	-	Extruded aluminium profile, anodized		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Best efficiency in vertical position		
Dimensions HxWxD	mm	55x40x40	55x40x40	65x40x40
Cable length	mm	400	400	400
Weight (with packaging)	kg	0.11(0.12)	0.11(0.12)	0.13(0.14)
Conformity	-	CE		

*at 20°C (68°F) ambient temperature

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THRV22
Hygrothermostat 0-60°C 30-90%RH	ETUH22



FMHT

FAN ASSISTED, COMPACT PTC HEATERS

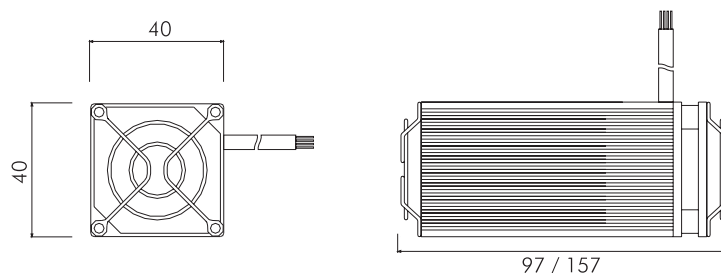


Features	Unit	FMHT75	FMHT100	FMHT150	FMHT230	FMHT300
Heating Capacity*	W	75	100	150	230	300
Power supply	V/Hz	Heater 110-250V AC/DC - Fan 24V AC/DC				
Max. current	A	4	4	6	6	8
Heating element type	-	PTC resistor, self regulating				
Radiator	-	Extruded aluminium profile, anodized				
Axial fan	-	Ball bearing, service life 50.000 hrs at 25°C (77°F), air flow rate 11 m³/h, free flow				
		air flow rate 11 m³/h, free flow				air flow rate 33 m³/h, free flow
Electrical connections	-	Silicon cable, 4x0.5 mm², length 400 mm				
Protection class IEC	-	Class I				
Protection degree EN60529	-	IP20				
Operating temperature	°C (°F)	-20/+70 (-4/+158)				
Storage temperature	°C (°F)	-25/+70 (-13/+158)				
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022				
Installation position	-	Best performance in vertical installation				
Dimensions HxWxD	mm	97x40x40	97x40x40	132x40x40	142x40x40	157x40x40
Cable length	mm	400	400	400	400	400
Weight (with packaging)	kg	0.20(0.21)	0.20(0.21)	0.26(0.28)	0.28(0.30)	0.40(0.42)
Conformity	-	CE				

*at 20°C (68°F) ambient temperature

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR022
Hygrothermostat 0-60°C 30-90%RH	ETUH22



THV - THR

THERMOSTATS

Compact Thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provides high capacity NO or NC contact.
Two versions available:

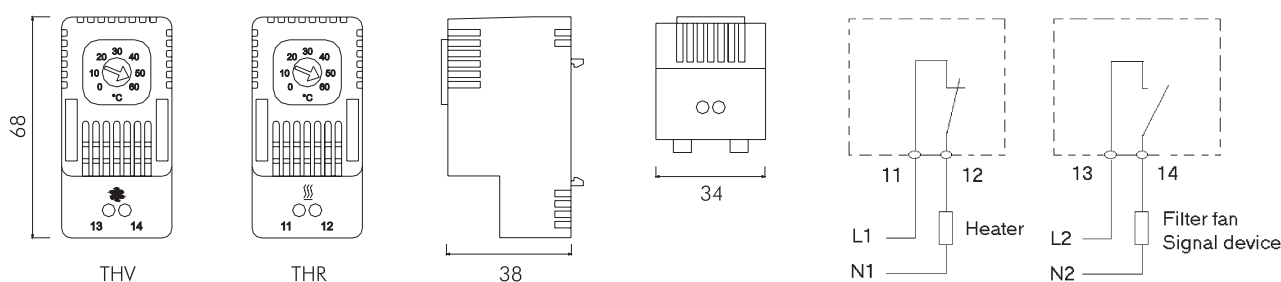
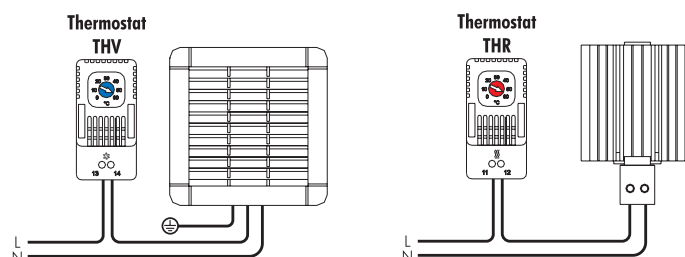


THVxx	NO Contact	Typically used for controlling ventilation devices
THRxx	NC Contact	Typically used for controlling heaters

Features	Unit	THR01	THR02	THR03	THV01	THV02	THV03
Contact function	-	NC	NC	NC	NO	NO	NO
Temperature setting range	°C	-10/+50	0/+60	+20/+80	-10/+50	0/+60	+20/+80
Hysteresis	°C	7 (tolerance +/-4)					
Max. switching current	-						
250Vac resistive load (ind. cos phi 0,6)	A	10 (2)					
120Vac resistive load (ind. cos phi 0,6)	A	15 (2)					
Max. switching power in Vdc	W	30					
Temperature sensor type	-	Thermostatic bimetal					
Contact type	-	Snap action					
Contact resistance	mOhm	< 10					
Service life	cycles	> 100,000					
Electrical connections	-	2-pole terminal for 2.5 mm² wire					
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-25/+80 (-13/+176)					
Storage temperature	°C (°F)	-45/+80 (-49/+176)					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	Variable					
Conformity	-	CE					
Dimensions HxWxD	mm	68x34x38					
Weight	g	48					

Accessories

DIN rail bracket	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL
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THRV - THVV

DOUBLE-THERMOSTATS

Compact double thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provide high capacity and separated
NO and NC contacts in different combinations.
Three versions available:

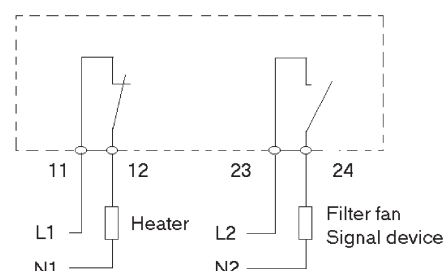
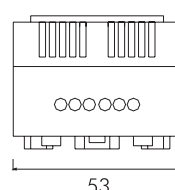
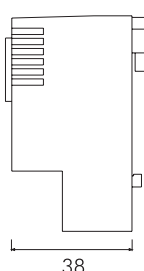
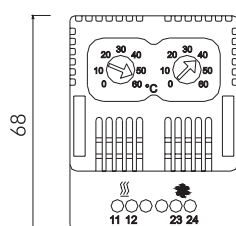
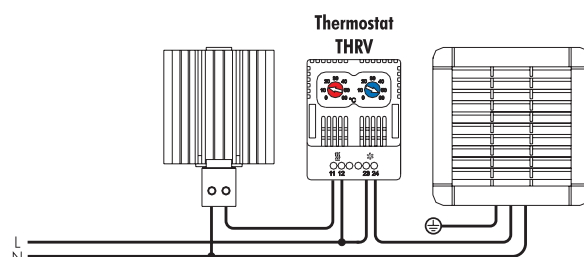
THRV13	NC	NO
THRV22	NC	NO
THVV22	NO	NO



Features	Unit	THRV13		THRV22		THVV22	
Contact function	-	NC	NO	NC	NO	NO	NO
Temperature setting range	°C	-10/+50	+20/+80	0/+60	0/+60	0/+60	0/+60
Hysteresis	°C	7 (tolerance +/-4)					
Max. switching current:							
at 250Vac resistive load (ind. cos phi 0,6)	A	10 (2)					
at 120Vac resistive load (ind. cos phi 0,6)	A	15 (2)					
Max. switching power in Vdc	W	30					
Temperature sensor type	-	Thermostatic bimetal					
Contact type	-	Snap action					
Contact resistance	mOhm	< 10					
Service life	cycles	> 100,000					
Electrical connections	-	2-pole terminal for 2.5 mm ² wire					
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-25/+80 (-13/+176)					
Storage temperature	°C (°F)	-45/+80 (-49/+176)					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	variable					
Conformity	-	CE					
Dimensions HxWxD	mm	68x53x38					
Weight	g	80					

Accessories

DIN rail bracket	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL
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ETUH

THERMO-HYGROSTAT

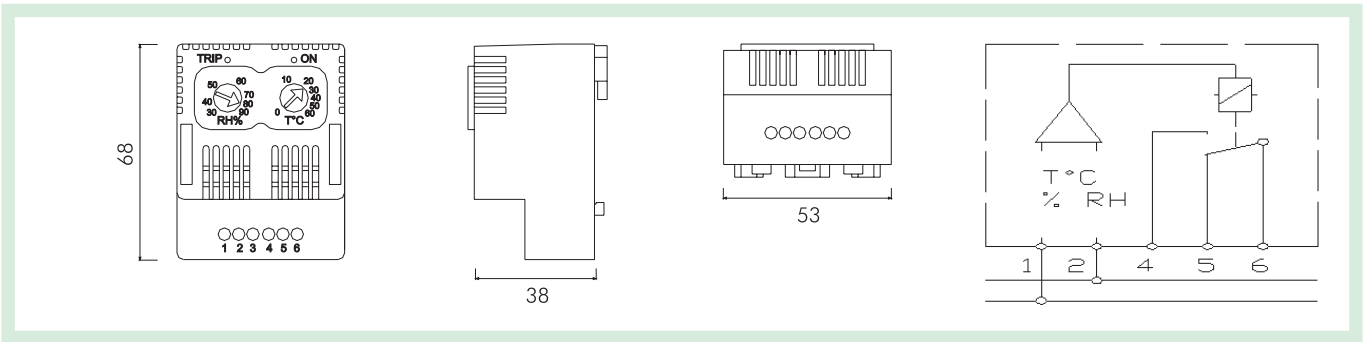
Electronic Hygrothermostat for DIN 35 mm. rail mounting.
Typically used to control enclosure heaters. The change over contact triggers either for high humidity or low temperature, independently set adjustable. LED display of power on and status.



Features	Unit	ETUH11	ETUH22
Power supply	V/Hz	120/50-60	230/50-60
Temperature setting range	°C	0/+60	
Temperature Hysteresis (accuracy)	°C	2 (+/-1)	
Relative Humidity setting range	RH%	30-90	
Relative Humidity Hysteresis	%	5	
Reaction time	sec	60	
Max. switching current			
NO at 250Vac resistive load	A	5	
NO at 120Vac resistive load	A	10	
NC at 250Vac resistive load	A	3	
NC at 120Vac resistive load	A	6	
at 30 Vdc	A	3	
Contact type	-	Change over	
Contact resistance	mOhm	< 10	
Service life, n. cycles	cycles	> 100,000	
Electrical connections	-	5-pole terminal for 2.5 mm ² wire	
Optical signal	-	LED	
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035	
Protection degree EN60529	-	IP20	
Operating/Storage temperature	°C (°F)	-20/+80 (-4/+176)	
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022	
Installation position	-	Vertical	
Conformity	-	CE	
Dimensions HxWxD	mm	68x53x38	
Weight	g	105	

Accessories

DIN rail bracket	GUIDADINPL	GUIDADINPL
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ael-cat-en-03.10

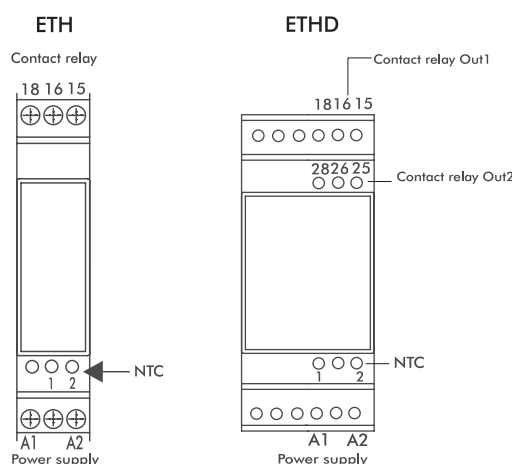
ETH - ETHD

TEMPERATURE CONTROLLERS

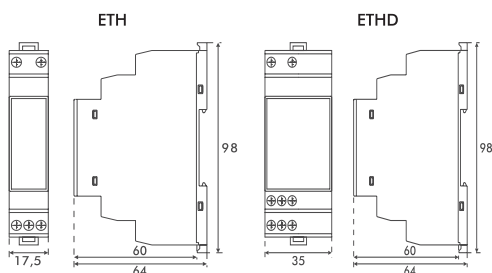
Compact Size - 1 DIN Module (17,5mm) or 2 DIN modules (35mm)
 Supply 24AC/DC or 240VAC
 Din rail mounting
 Digital adjustment of temperature (2 red digit)
 Appropriate for temperature control inside electric panel (fan and resistor control)
 NTC probe input
 1 or 2 relay outputs



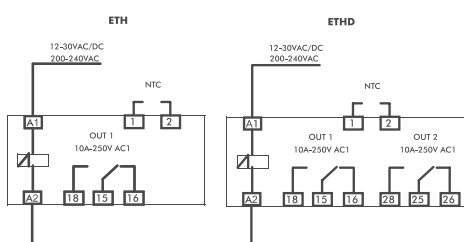
Features	Unit	ETH10	ETH14	ETHD10	ETHD14
Power supply	V	200-240 VAC	10-30 VAC/DC	200-240 VAC	10-30 VAC/DC
Input	-	NTC (10k α 25°C)			
Relay	-	1 SPDT output (10A-AC1)		2 SPDT outputs (10A-AC1)	
Control	-	ON/OFF			
Overall accuracy	%	+/- 0.5 full scale			
Display resolution	-	1			
Measurement range	°C	NTC -20 ~ +65°C probe on the controller / NTC -35 ~ +99°C external probe			
Sampling rate	Hz	12			
Display	-	2 red digit			
Parameters programming	-	by keyboard			
Operating temperature	°C	-20 ~ +65			
Operating humidity (no condensate)	RH%	30 ~ 95			
Housing	-	self-extinguishing plastic			
Dimensions HxWxD	mm	17.5x64x98mm(BxHxL) 1 Din rail module		35x64x98mm(BxHxL) 2 Din rail module	
Connections	-	2.5 mm ² screw terminal block			
Mounting	-	DIN rail			
Conformity	-	CE			
Weight	g	45		70	



DIMENSIONS (mm)



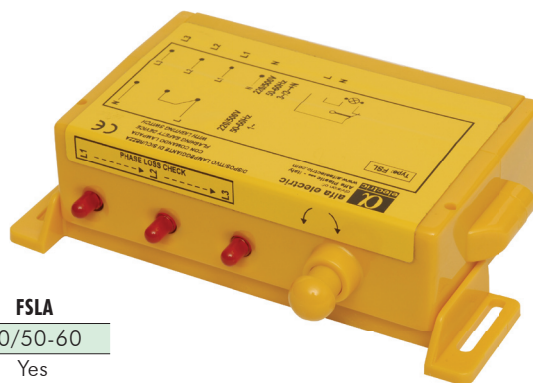
WIRING DIAGRAM



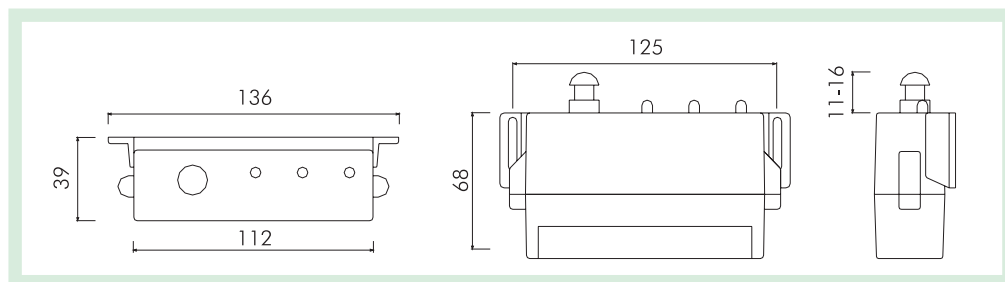
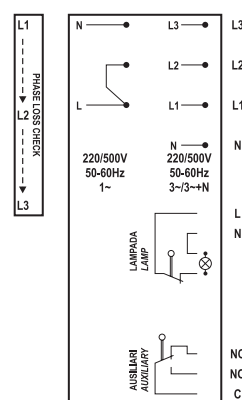
FS

FLASHING SAFETY DEVICE

The flashing safety devices series FS prevents accidents, alerting the operator that the electrical system is live. The FS devices are suitable for connection to three or single-phase lines. FS is also a phase-loss and phase-sequence control device: in case of failure, it points out the missing phase. The device functions can be increased with auxiliary contacts that allow to switch-on the lamp when opening the cabinet door or to control other equipment inside the cabinet (air conditioner, etc.)



Features	Unit	FS	FSL	FSLA
Power supply	V/Hz	1ph 115-230/50-60 or 3ph 400/50-60		
FUNCTIONS	Power on, Phase sequence, Phase loss	Yes	Yes	Yes
	Signal	-	n° 3 LEDs, red	n° 3 LEDs, red
	Contact for lamp	Yes/No	No	Yes
	Contact type	-	-	NC
	Max current	A	-	5
	Service life	Cycles	-	> 25.000
	Auxiliary Contact	Yes/No	No	Yes
	Contact type	-	-	Change over
	Max current	A	-	5
	Service life	Cycles	-	> 25.000
Probe extension	mm	Adjustable 11-16		
Casing	-	Poly-carbonate, Yellow		
Connection on terminals	mm ²	n. 6x4	n. 8x4	n. 11x4
Mounting	-	Adjustable fixing bracket 125 mm interlock		
Protection degree EN60529	-	IP20		
Protection class	-	I		
Operating/Storage temperature	°C(°F)	-10 +70 (+14 +158)/-20 +80(-4 +176)		
Installation position	-	Variable		
Dimensions HxWxD	mm	34x112x68 (+16)		
Weight	kg	0.15		
Package dimensions HxWxD	mm	46x145x88		
Conformity	-	CE		



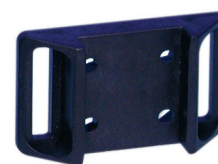
FIN - DOOR LIMIT SWITCH

Required on most enclosures for safety and operation of auxiliary circuits, such as switching on lamps or switching off ventilation/air conditioning when the door is open. FIN Limit switches can be equipped with the optional bracket FINSTAFF for fixing and positioning.

Features	Unit	FINCOR	FINRIP
Contacts type	-	Zb type snap action (1NO+1NC)	
Rated current at 230V(400V) AC15	A	3.1(1.9)	
Protection degree EN60529	-	IP65	
Protection Class	-	II	
Operating temperature	°C	-25 +70	
Rated insulation voltage Ui	V	690	
Service life	Cycles	> 25.000	
Cable inlet	-	PG13,5 cable gland	
Mechanical lock	Yes/No	No	Yes
Dimensions HxWxD	mm	75x31x31	91x31x39
Weight	kg	0.04	0.05
Conformity	-	CE EN60947-5-1, IEC 947-5-1	



FINRIP



FINSTAFF

ALFA DT01S1

DIGITAL THERMOSTATS

Universal single-sensor temperature controller, with refrigeration, defrosting exceeding temperature limit alarm functions.
Compressor delay time adjustable, limit alarm delay adjustable.
Defrost cycle and defrost time programmable.

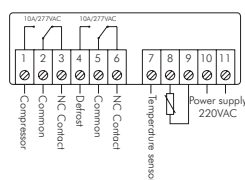
ALFA DT01S2

Universal double-sensor temperature controller, with refrigeration, defrosting exceeding temperature limit alarm functions.
Defrosting cycle calculated by the compressor accumulative working.
Compressor delay time adjustable, limit alarm delay adjustable.
Defrost cycle and defrost time programmable.

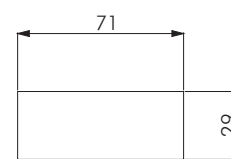
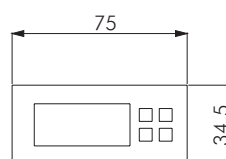
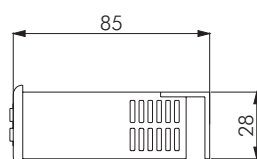
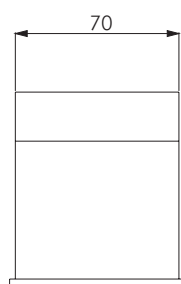
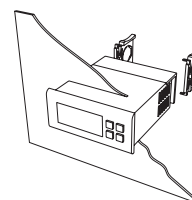
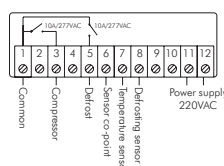


Features	Unit	ALFA DT01S1	ALFA DT01S2
Temperature controlling range	°C	- 40 ~ 50	
Temperature measuring range	°C	- 50 ~ 99	- 40 ~ 50
Refrigeration output contact capacity	A-VAC	10/277	
Defrost output contact capacity	A-VAC	10/277	
Sensor	-	NTC with 2 meters cable (included)	2 NTC with 2 meters cable (included)
Resolution	°C	1	0.1
Accuracy	°C	± 1°C, -50 ~ 70°C; ± 2°C at others	
Sensor error delay time	min	1	
Power consumption	W	<3	
Power supply	V/Hz	220 AC / 50-60Hz	
Electrical connexion	-	screw terminals for stranded or rigid wire 2.5 mm ²	
Safe level	-	IP65	
Operating temperature	°C	- 0 ~ 60	
Storage temperature	°C	- 30 ~ 75	
Operation umidity	RH%	20% ~ 85% (no condensate)	
Compressor delay time	min	0 - 9	
Temperature calibration	°C	- 5 ~ + 5	
Defrosting cycle	hr	0 - 99 hours adjustable	
Defrosting time	hr	0 - 99 hours adjustable	
Defrosting end temperature	°C	0 ~ 35	
Exceeding temperature limit alarm adjustable range	°C	0 ~ 20	
Mounting	-	inside hole	
Installing hole size	mm	71x29	
Front panel size	mm	75x34.5	
Dimensioni HxWxD	mm	34.5x75x85	
Weight (gross /net)	g	265 / 200	330 / 265
Conformity	-	CE, UL	

ALFA DT01S1



ALFA DT01S2



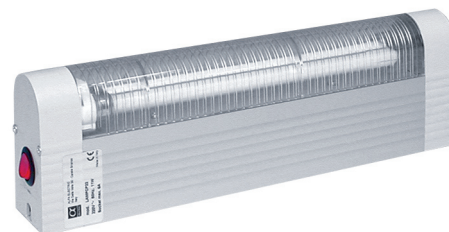
INSTALLING HOLE SIZE

LAMP CP22

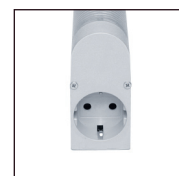
COMPACT, HIGH EFFICIENCY ENCLOSURE LAMP

Fitted with Schuko socket and switch, it can be mounted with clips on DIN rail, on a bracket (ALFASTAFF) with screws or with magnetic fixing.

It fits exactly one 19" height/unit (44 mm).



Features	Unit	LAMPCP22	LAMPSP22
Power supply	V/Hz	230/50	230/50
Schuko socket	-	Yes 6A	No
Luminosity	Lm	900	
Lamp type	-	high efficiency fluorescent lamp	
Power consumption	W	11	
Service life	hrs	5000	
Switch	-	On/Off for the lamp only	
Connection	-	3-pole terminal for 1.5 mm ² wire	
Casing	-	Aluminium profile and ABS, UL94 V0, light grey	
Protection degree EN60529	-	IP20	
Protection class	-	Class I, earthed	
Operating temperature	°C(°F)	-20/+50 (-4/+122)	
Storage temperature	°C(°F)	-45/+80 (-49/+176)	
Mounting	-	Clip on DIN rail, magnet or bracket, see ordering code below	
Installation position	-	variable	
Dimensions HxWxD	mm	95x43x268	
Weight	kg	0.76	
Package dimensions HxWxD	mm	105x58x310	
Conformity	-	CE	

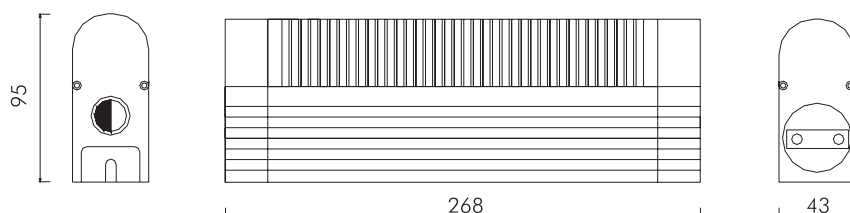


Versions

Clip mounting on DIN rail	LAMPCP22+CLIP	LAMPSP22+CLIP
Magnet mounting	LAMPCP22+MAGN	LAMPSP22+MAGN
Bracket mounting	LAMPCP22+STAF	LAMPSP22+STAF

Accessories

Bracket for lamp	ALFASTAFF	ALFASTAFF
Magnet for lamp	ALFAMAGNETE	ALFAMAGNETE
Door limit switch without block	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA



LAMP 36

SLIM ENCLOSURE LAMP

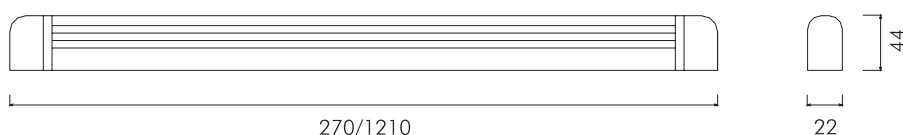
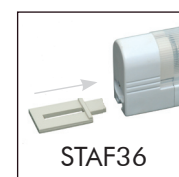
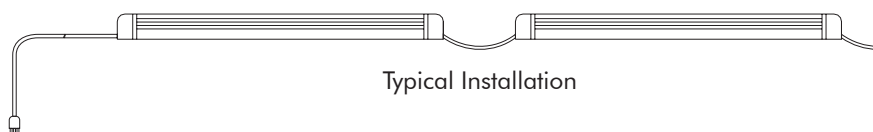
Slim and versatile fluorescent lamp. More units can be connected together in a chain up to a total power of 100W, by using the addition interconnection cable including in the packaging.



Features	Unit	LAMP3604	LAMP3605	LAMP3606	LAMP3607	LAMP3608
Power supply	V/Hz	230/50				
Lamp type	-	T5 fluorescent lamp with integrated electronic ballast				
Power consumption	W	6	8	13	21	28
Service life	hrs	5000				
Connection	-	Plug-in cable 1.8 m long inside the package				
Series of lamps	-	Possible with male/male extension cable, max 100W total series				
Casing	-	Plastic, white				
Protection degree/class	-	IP20/Class II				
Operating temperature	°C(°F)	-20/+50 (-4/+122)				
Storage temperature	°C(°F)	-45/+80 (-49/+176)				
Mounting	-	Screws, hidden behind the lamp				
Dimensions HxWxD	mm	270x44x22	345x44x22	570x44x22	910x44x22	1210x44x22
Weight	kg	0.33	0.36	0.50	0.53	0.60
Conformity	-	CE				

Accessories

Door limit switch without block	FINCOR	FINCOR	FINCOR	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP	FINRIP	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL	FSL	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA	FSLA	FSLA	FSLA
Plastic bracket	STAF36	STAF36	STAF36	STAF36	STAF36



LAMP 3012

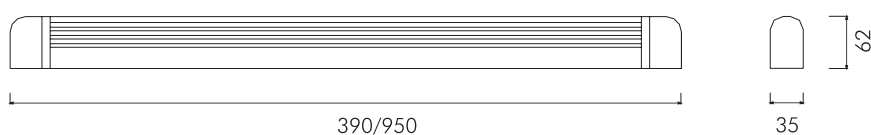
ENCLOSURE LAMP



Features	Unit	LAMP3012-10W	LAMP3012-15W	LAMP3012-18W	LAMP3012-30W
Power supply	V/Hz	230/50			
Lamp type	-	T8 fluorescent lamp with integrated electronic ballast			
Power consumption	W	10	15	18	30
Service life	hrs	5000			
Connection	-	3-pole terminal for 2.5 mm ² wire			
Casing	-	Plastic, white			
Protection degree/class	-	IP20/Class I, earthed			
Operating temperature	°C(°F)	-20/+50 (-4/+122)			
Storage temperature	°C(°F)	-45/+80 (-49/+176)			
Mounting	-	Screws, hidden behind the lamp			
Dimensions HxWxD	mm	390x62x35	490x62x35	645x62x35	950x62x35
Weight	kg	0.45	0.70	0.85	1.25
Conformity	-	CE			

Accessories

Door limit switch without block	FINCOR	FINCOR	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA	FSLA	FSLA



LAMP 2005

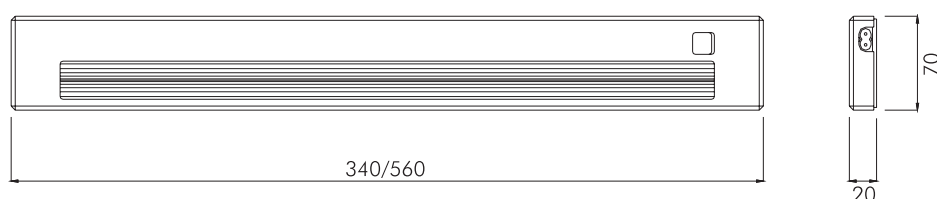
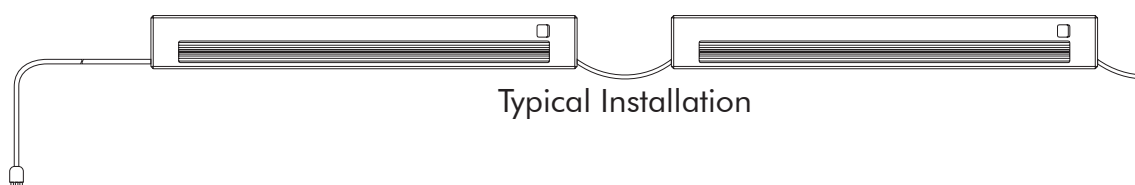
Slim and versatile fluorescent lamp. More units can be connected together in a chain up to a total power of 100W, by using the addition interconnection cable including in the packaging.



Features	Unit	LAMP2005-8W	LAMP2005-13W
Power supply	V/Hz	230/50	
Lamp type	-	T5 fluorescent lamp with integrated electronic ballast	
Power consumption	W	8	13
Service life	hrs	5000	
Connection	-	Plug-in cable 1.8 m long inside the package	
Series of lamps	-	Possible with male/male extension cable, max 100W total series	
Casing	-	Plastic, white	
Protection degree/class	-	IP20/Class II	
Operating temperature	°C(°F)	-20/+50 (-4/+122)	
Storage temperature	°C(°F)	-45/+80 (-49/+176)	
Mounting	-	Screws, hidden behind the lamp	
Dimensions HxWxD	mm	340x70x20	560x70x20
Weight	kg	0.50	0.70
Conformity	-	CE	

Accessories

Door limit switch without block	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA



ALFASOCKET

DIN RAIL SOCKET

For mounting on 35 mm DIN rail. Wire connections on terminals. It provides a power supply for electrical tools or instruments during installation, operation and maintenance. Available in five different national standards and in two basic versions: without and with limiting fuse 6.3A.



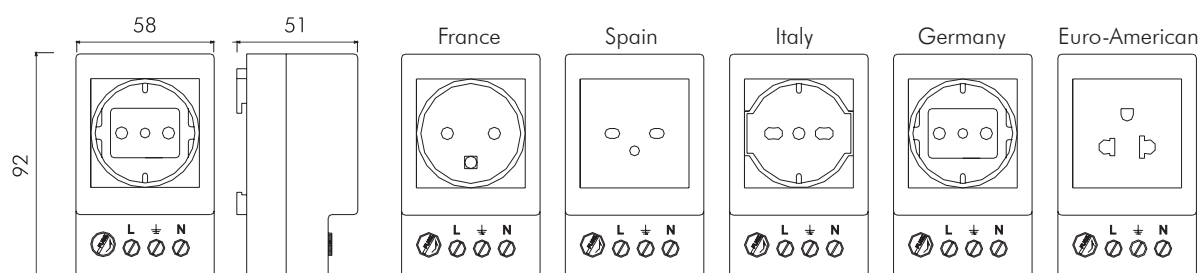
Features	Unit	ALFASOCKET01	ALFASOCKET02	ALFASOCKET03	ALFASOCKET04	ALFASOCKET05
Standard	-	Germany	Italy	France	Euro-American	Spain
Voltage	V	250	250	250	125	250
Max current	A	16	16	16	16	16
Electrical connections	-	3-pole terminal for 2.5 mm ² wire				
Casing	-	ABS, UL94 V0 self-extinguishing, light grey RAL 7035				
Protection degree	-	IP20				
Protection class	-	Class I				
Operating temperature	-	-25/+60 (-13/+140)				
Storage temperature	°C (°F)	-45/+60 (-49/+140)				
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022				
Conformity	-	CE				
Dimensions HxWxD	mm	92x57x51				
Weight	g	105				

Versions

with fuse 6.3 A	ALFASOCKET01F	ALFASOCKET02F	ALFASOCKET03F	ALFASOCKET04F	ALFASOCKET05F
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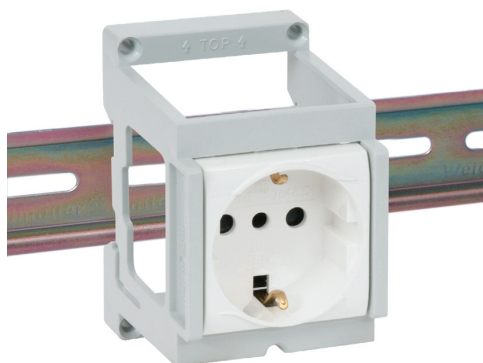
Accessories

	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL	GUIDADINPL
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ALFAPRSCH



DIN RAIL SOCKET

Cost-effective Schuko socket for DIN rail mounting.

Features	Unit	PRSCH01	PRSCH03
Type	-	schuko	two-pin + schuko
Rated voltage, max	V	250	250
Maximum current	A	16	10/16
Dimensions HxWxD	mm	70x53x60	70x53x60
Weight	kg	0.04	0.04
Conformity	-	CE	CE

ALFATASC



WIRING DIAGRAM HOLDER

Suitable for holding documents max. A4 format (297x210 mm).

Clean carefully the mounting surface and wait at least 12 hr. before loading.

Features	Unit	
Material	-	ABS
Color	-	RAL 7032 or 7035
Fixing	-	bi-adhesive tape
Dimensions HxWxD	mm	264x235x35
Weight	kg	0.185
Conformity	-	CE

PRESSCOMP



PRESSURE EQUALIZER

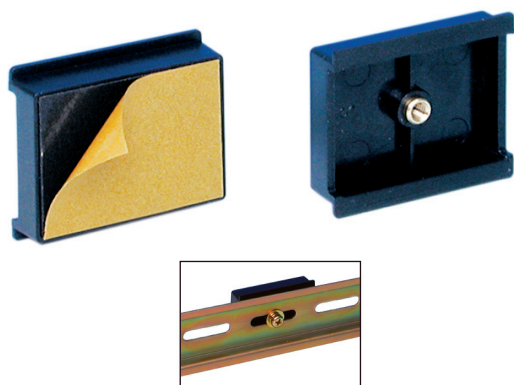
Sealed enclosures when subject to external temperature fluctuations develop pressure differential toward the ambient. As a consequence entrance of dust and/or humidity is likely to happen through leakage points. Installing a PRESSCOMP prevents this risk while preserving a high protection degree for the enclosure.

Features	Unit	
Material	-	ABS self-extinguishing RAL 7035
Protection degree	-	IP45
Fixing	-	screws with rubber gasket
Dimensions HxWxD	mm	70x50x21
Weight	kg	0.022
Conformity	-	CE

ACCESSORIES



GUIDADINPL



FIXING DEVICE

A practical solution for mounting small devices or DIN 35 mm rail without the necessity of drilling holes on the cabinet. The double-sided adhesive band can bear a continuous load of 0,5 kg. Before fixing, clean carefully the mounting surface and wait at least 24hr before loading.

Features	Unit	
Material	-	ABS self-extinguishing Black
Maximun load	kg	0.5
Application temperature	°C	+ 10 min.
Operating temperature	°C	-30 +70
Mounting surfaces	-	all, except poly-ethylene, poly-propylene and rubber
Dimensions HxWxD	mm	42x36x11
Weight	kg	0.015
Conformity	-	CE

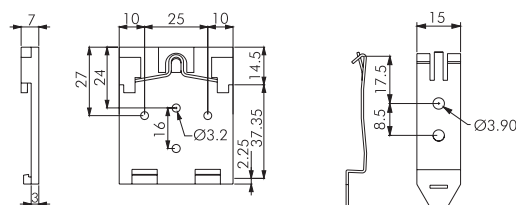
CLIP



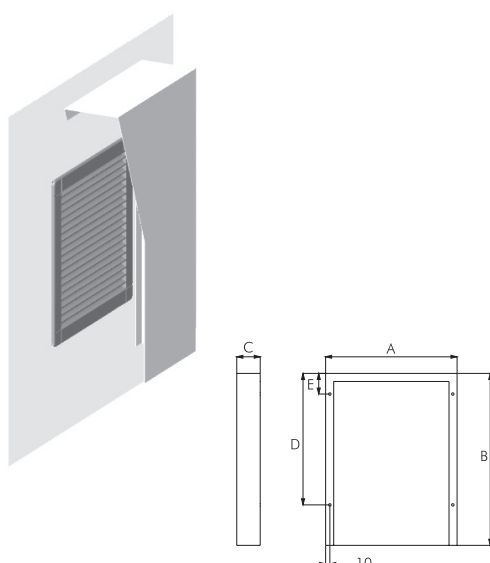
CLIP

Practical solution to mount devices on 35mm DIN rail. CLIP can be joined to the device by screw or rivet.

Features	Unit	CLIPP	CLIPM
Material	-	Polycarbonate	Steel
Mounting (on device)	-	Rivet or screw	
Operating temperature	°C	100°	200°
Conformity	-	CE	



CUFF



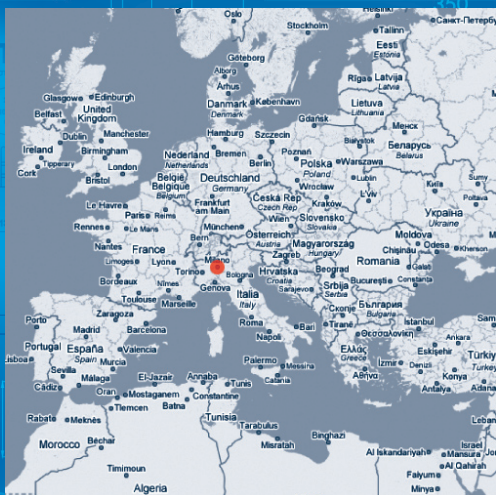
CUFF

Hoods for increased protection degree on filter fans and air filters.

They allow to achieve IP55 according to EN60529/10.91

Features		Unit	CUFF10	CUFF20	CUFF30
Dimensions	A	mm	195	325	410
	B	mm	255	425	540
	C	mm	55	60	110
	D	mm	50	100	100
	E	mm	30	50	50
Material		-	Painted steel sheet		
Color		-	RAL 7035		
Mounting		-	4 screws M6		
Weight		Kg	0.8	1.9	3.3
Conformity/Certifications		-	CE		
For use on		-	ALFAA, ALFA1000	ALFAB, ALFA2000	ALFA 3000

alfa electric



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