



VENTILATION AND ACCESSORIES FOR ELECTRIC ENCLOSURES

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.

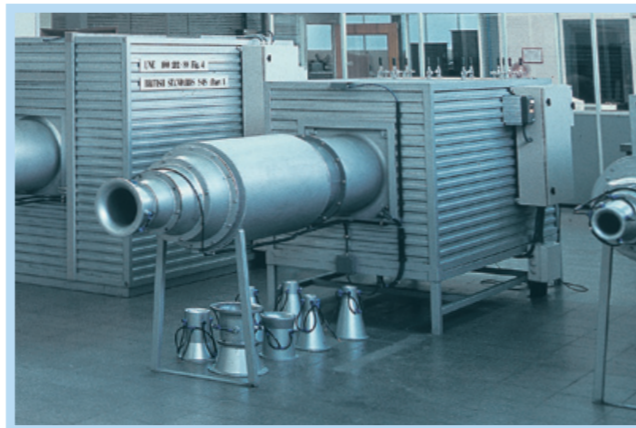
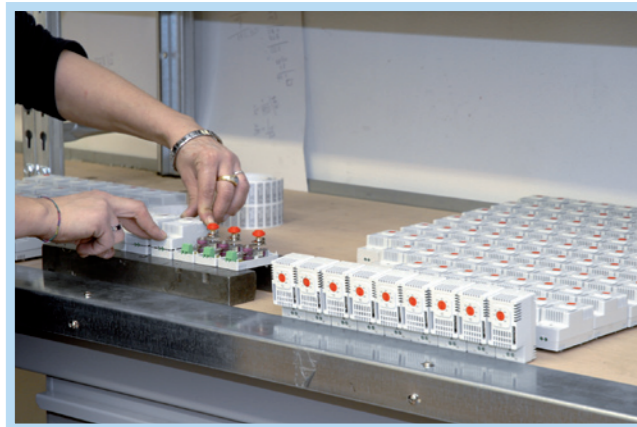


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Filter Fans

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

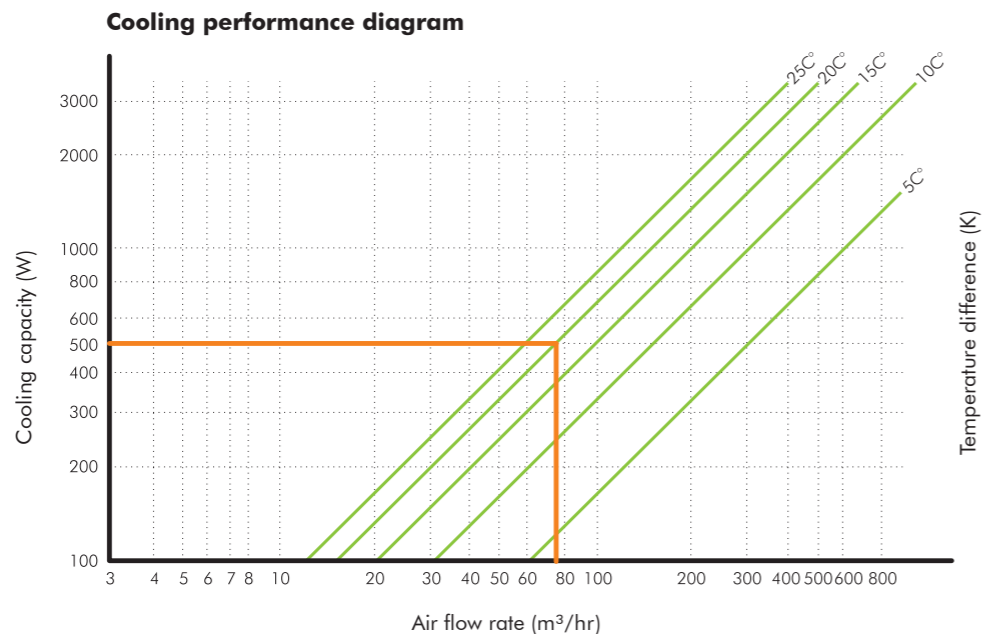
The special configuration of the grill, the self-adhesive gasket and the filter mat ensure an IP54 protection degree towards the enclosure.

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.

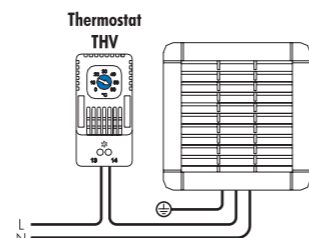


Example:

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



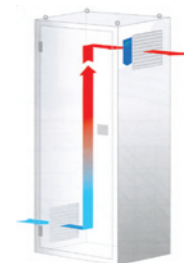
| Features | Unit | ALFAA000BP | ALFAA500BP | ALFAA510BP | ALFAA512BP | ALFAA524BP |
|----------------------------|-------------------|---------------------------|-------------------|-------------------------------------|------------|------------|
| Air flow rate (free blow) | m ³ /h | - | 24(28) | | | 24 |
| Flow rate with exit filter | m ³ /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 mm ² | | |
| 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 File n. E301228 | ALFAA000BPU | ALFAA500BPU | ALFAA510BPU | ALFAA512BPU | ALFAA524BPU |
|----------------------------|-------------|-------------|-------------|-------------|-------------|
| RAL7035 - Code ending | | | B | | |
| EMC - Code ending | | | M | | |
| Reverse flow - Code ending | - | | | PR | |

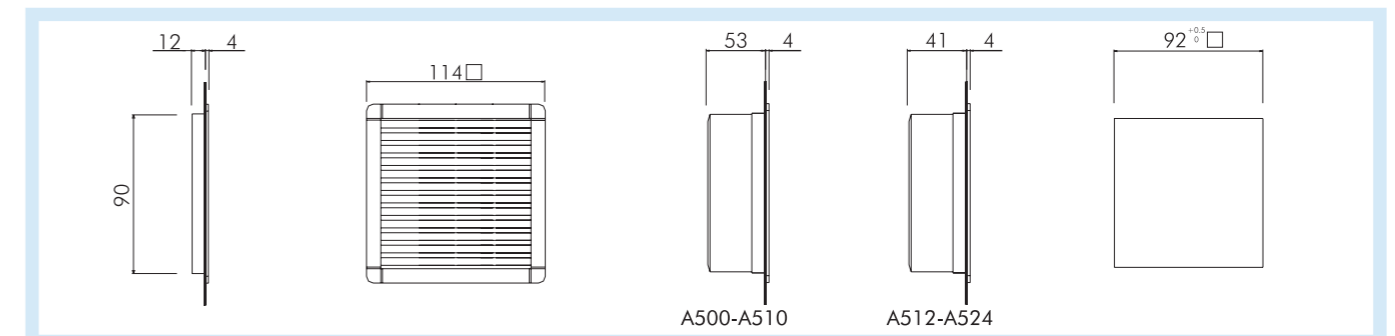
Accessories

| | | |
|-----------------------------|---|-----------|
| Filter mat, standard type | | ALFAPB00 |
| Filter mat, high efficiency | | ALFAPB00X |
| 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.



VENTILATION



Filter fans
55 m³/hr

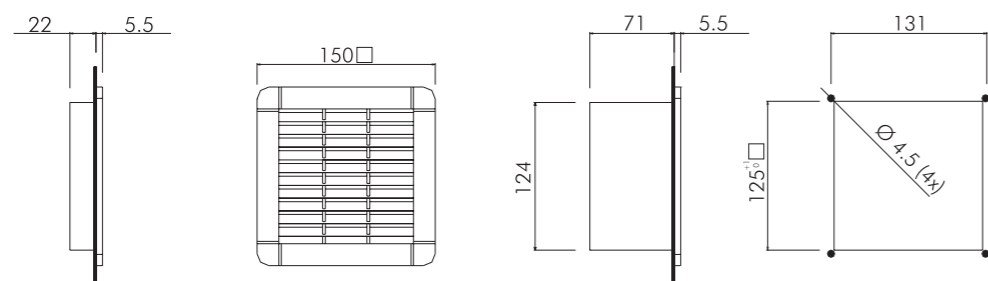
ALFA15 - ALFA16



| Features | Unit | ALFA1000BP | ALFA1600BP | ALFA1610BP | ALFA1524BPT | ALFA1548BPT |
|----------------------------|-------------------|------------|---------------------------|------------|-------------------------------------|-------------|
| Air flow rate (free blow) | m ³ /h | - | 55(60) | | 55 | |
| Flow rate with exit filter | m ³ /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 mm ² | |
| 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 | ALFA1000BPU | ALFA1600BPU | ALFA1610BPU | ALFA1524BPTU | ALFA1548BPTU |
|----------------------------|-------------|-------------|-------------|--------------|--------------|
| UL File n. E301228 | - | - | - | - | - |
| 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 |



VENTILATION



Filter fans
100 m³/hr

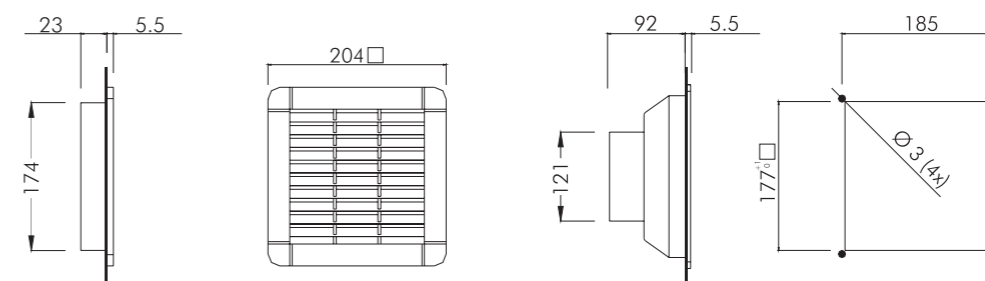
ALFAB5



| Features | Unit | ALFAB000BP | ALFAB500BP | ALFAB510BP | ALFAB524BPT | ALFAB548BPT |
|----------------------------|-------------------|------------|---------------------------|------------|-------------------------------------|-------------|
| Air flow rate (free blow) | m ³ /h | - | 100(110) | | 100 | |
| Flow rate with exit filter | m ³ /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 mm ² | |
| 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 | ALFAB000BPU | ALFAB500BPU | ALFAB510BPU | ALFAB524BPTU | ALFAB548BPTU |
|----------------------------|-------------|-------------|-------------|--------------|--------------|
| UL File n. E301228 | - | - | - | - | - |
| 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 |



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

VENTILATION



Filter fans
110 m³/hr

ALFAB6



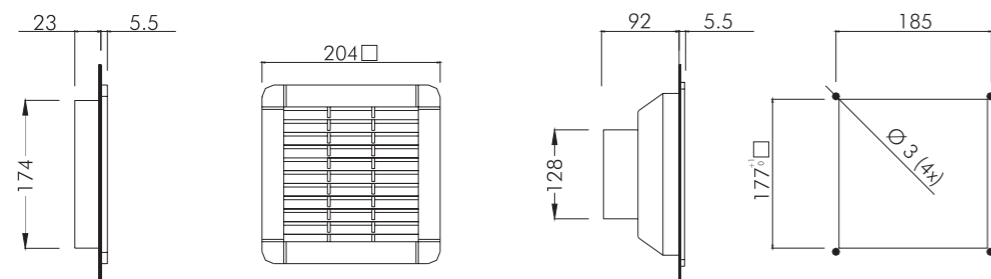
| Features | Unit | ALFAB000BP | ALFAB600BP | ALFAB610BP | ALFAB624BPT | ALFAB648BPT |
|----------------------------|-------------------|------------|---------------------------|------------|-------------------------------------|-------------|
| Air flow rate (free blow) | m ³ /h | - | 110(120) | | 110 | |
| Flow rate with exit filter | m ³ /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 mm ² | |
| 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 File n. E301228 | ALFAB000BPU | ALFAB600BPU | ALFAB610BPU | - | - |
|----------------------------|-------------|-------------|-------------|----|---|
| RAL7035 - Code ending | | | B | | |
| EMC - Code ending | | | M | | |
| Reverse flow - Code ending | - | | | PR | |

Accessories

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



VENTILATION



Filter fans
105 m³/hr

ALFA23



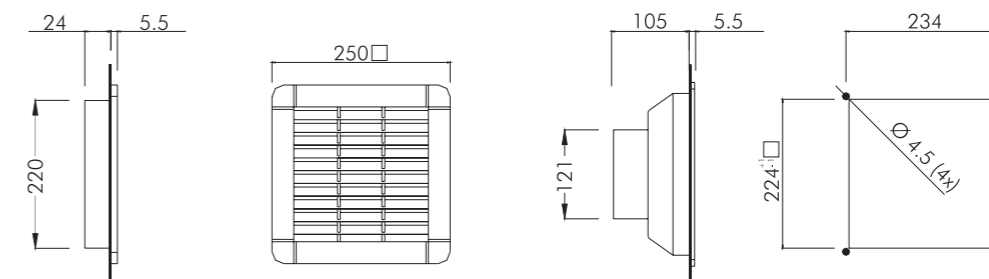
| Features | Unit | ALFA2000BP | ALFA2300BP | ALFA2310BP | ALFA2324BPT | ALFA2348BPT |
|----------------------------|-------------------|------------|---------------------------|------------|-------------------------------------|-------------|
| Air flow rate (free blow) | m ³ /h | - | 105(120) | | 105 | |
| Flow rate with exit filter | m ³ /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 mm ² | |
| 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 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 | | ALFABFP20 |
| Filter mat, high efficiency | | ALFABFP20X |
| 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.

VENTILATION



Filter fans
120 m³/hr

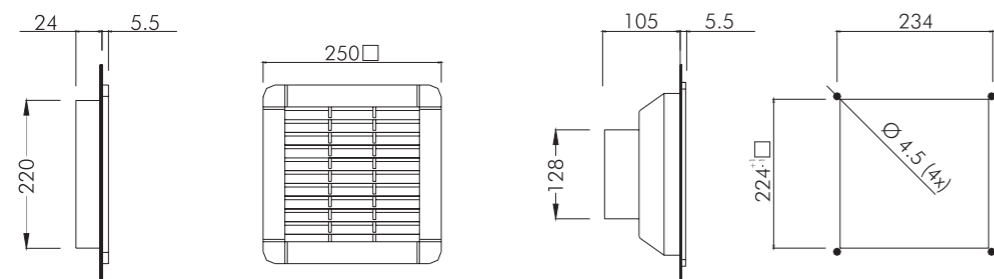
ALFA24



| 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 | ALFA2000BPU | ALFA2400BPU | ALFA2410BPU | - | - |
|----------------------------|-------------|-------------|-------------|----|---|
| UL File n. E301228 | | | | | |
| 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 |



VENTILATION



Filter fans
230-370 m³/hr

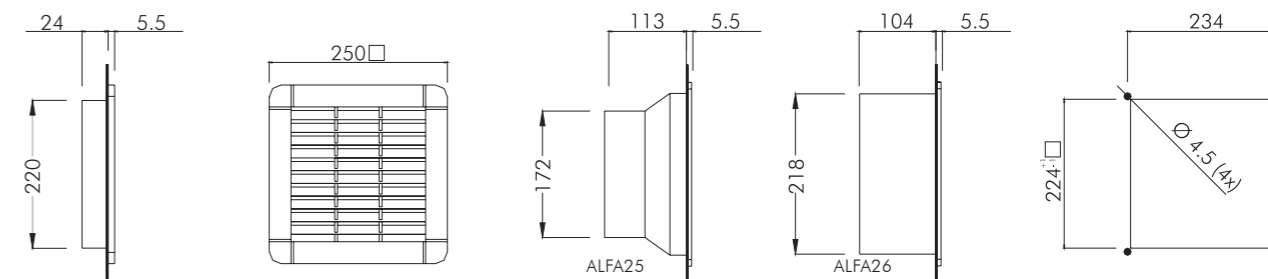
ALFA25 - ALFA26



| 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 | ALFA2000BPU | ALFA2500BPU | ALFA2510BPU | ALFA2524BPTU | ALFA2548BPTU | ALFA2600BPU | ALFA2610BPU | - |
|----------------------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|---|
| UL File n. E301228 | | | | | | | | |
| 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 |



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.

VENTILATION



Filter fans
500-630 m³/hr

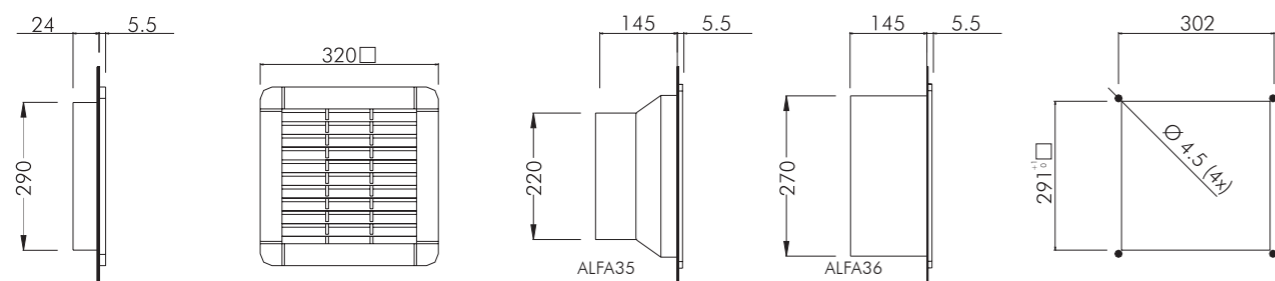
ALFA35 - ALFA36



| Features | Unit | ALFA3000BP | ALFA3500BP | ALFA3510BP | ALFA3540BP | ALFA3600BP | ALFA3610BP |
|----------------------------|-------------------|------------|-------------------------------------|------------|-------------------------------------|------------|------------|
| Air flow rate (free blow) | m ³ /h | - | - | 500(570) | - | 630(700) | - |
| Flow rate with exit filter | m ³ /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 mm ² | | 4-pole terminal 1.5 mm ² | | |
| 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 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 | |

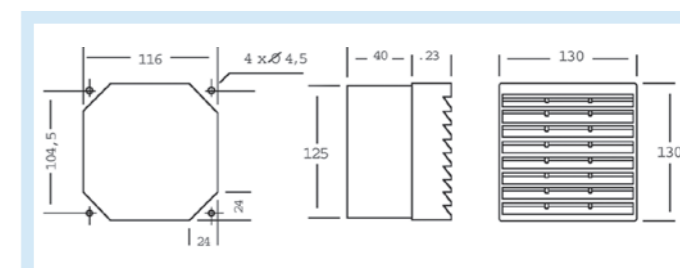


VENTILATION

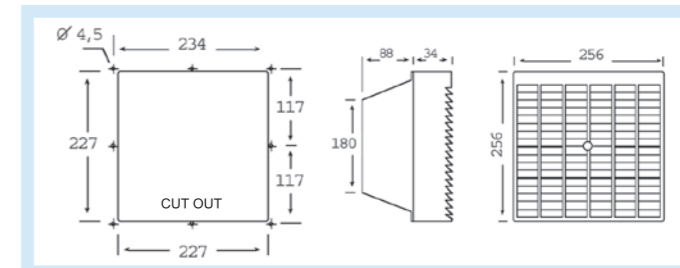
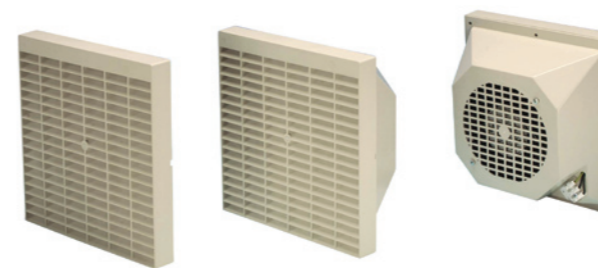


Filter fans
“high-thickness”

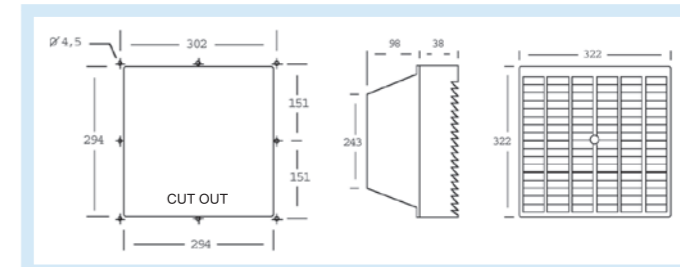
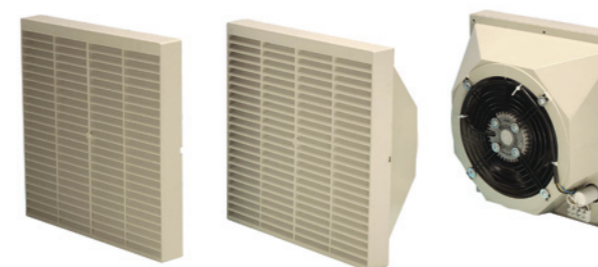
ALFA 1000 series



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 m ³ /h | Filter fan air volume with exit filter **m ³ /h |
|---------------|--------------------|-------------|----------------|-----------|----------------------|--------------------|--|--|
| ALFA 1000 AP | Filter fan 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 fan 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 fan 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

TECHNICALFEATURES: 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.

VENTILATION



Roof fans
600-1000 m³/hr

ALFATORR ROOF FAN AND VENT



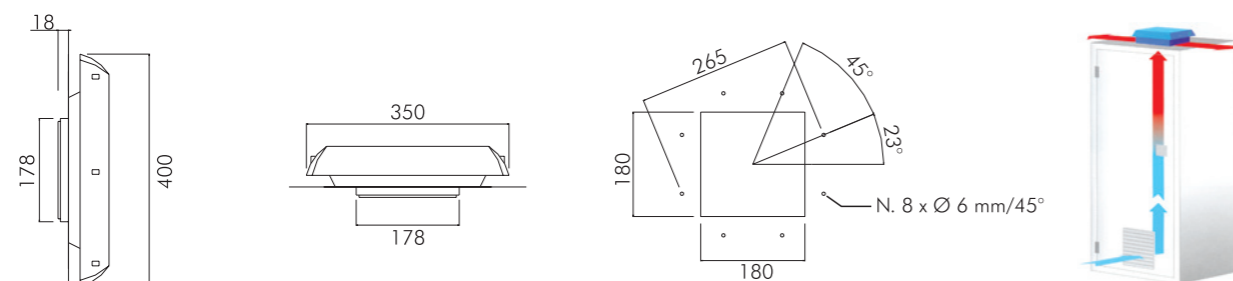
| Features | Unit | ALFATORR | ALFATORR0600 | ALFATORR0610 | ALFATORR0860 | ALFATORR0861 | ALFATORR1000 | ALFATORR1010 |
|----------------------------------|-------------------|-------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Air flow rate (free blow) | m ³ /h | - | 600(625) | | 860(950) | | 1,000(1,050) | |
| Flow rate with inlet filter | m ³ /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 mm ² | | | | | |
| 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 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 | |



VENTILATION



Roof fans
1500-1550 m³/hr

ALFATORR14 ROOF FANS



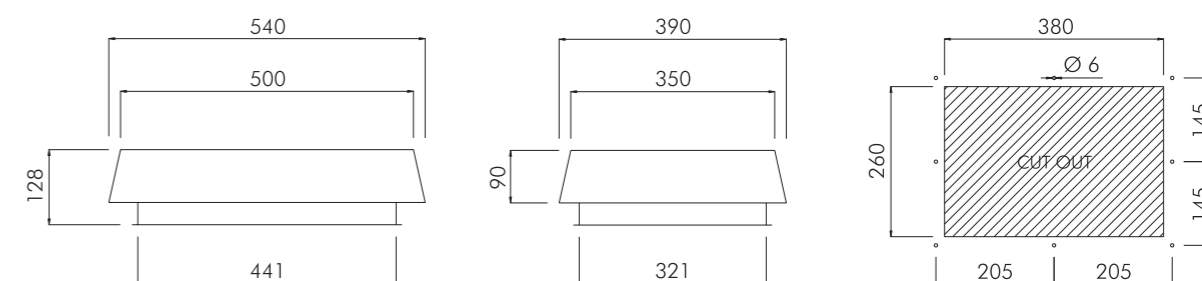
| Features | Unit | ALFATORR1450 | ALFATORR1451 |
|--|-------------------|-----------------|-----------------|
| Air flow rate (free blow) | m ³ /h | 1500/(1550) | 1500/(1550) |
| Flow rate with filter fan | m ³ /h | 900/(950) | 900/(950) |
| Power supply | V/Hz | 230-50/60 | 115-50/60 |
| Dimensions 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 |
|-----------------------|---|---|

Accessories

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



VENTILATION



Fan trays
300-450 m³/hr

RACK

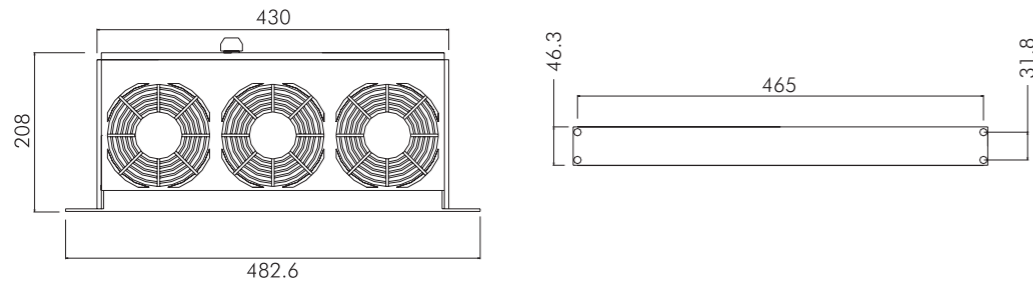
FAN TRAYS FOR 19" ENCLOSURES



| Features | Unit | RACK0222 | RACK0212 | RACK0224 | RACK0248 | RACK0322 | RACK0312 | RACK0324 | RACK0348 |
|---------------------------|-------------------|-------------------------------------|------------|------------|----------|------------|------------|------------|----------|
| Air flow rate (free blow) | m ³ /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 mm ² | | | | | | | |
| 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 |
|----------------------------|-------|



VENTILATION



Fans
m³/hr

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 |
| V108XBT230VAC | 105 | ball | 220-240/50-60 | fast-on | 120x120x25 |
| V108XBT115VAC | 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 |
| V108EXBT230VA | 325 | ball | 220-240/50-60 | fast-on | 172x150x51 |
| V108EXBT115VA | 325 | sleeve | 110-120/50-60 | fast-on | 172x150x51 |
| V108EXST230VA | 325 | sleeve | 220-240/50-60 | fast-on | 172x150x51 |
| V108EXST115VA | 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 per 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.

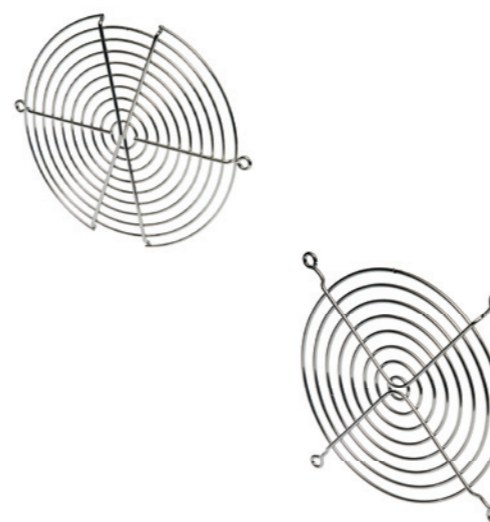
| Code | Description | Pcs in 1 pack |
|-----------|------------------------|---------------|
| ALFAFBPA0 | Filter mat for ABPA000 | 10 |
| ALFAFBP10 | Filter mat for ABP1000 | 10 |
| ALFAFBP80 | Filter mat for ABP8000 | 10 |
| ALFAFBP20 | Filter mat for ABP2000 | 10 |
| ALFAFBP30 | Filter mat for ABP3000 | 10 |

ALFAFBPxOX - 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 |
|------------|---|---------------|
| ALFAFBPAOX | Filter mat for ABPA000, high efficiency | 10 |
| ALFAFBP10X | Filter mat for ABP1000, high efficiency | 10 |
| ALFAFBP80X | Filter mat for ABP8000, high efficiency | 10 |
| ALFAFBP20X | Filter mat for ABP2000, high efficiency | 10 |
| ALFAFBP30X | Filter mat for ABP3000, high efficiency | 10 |

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.

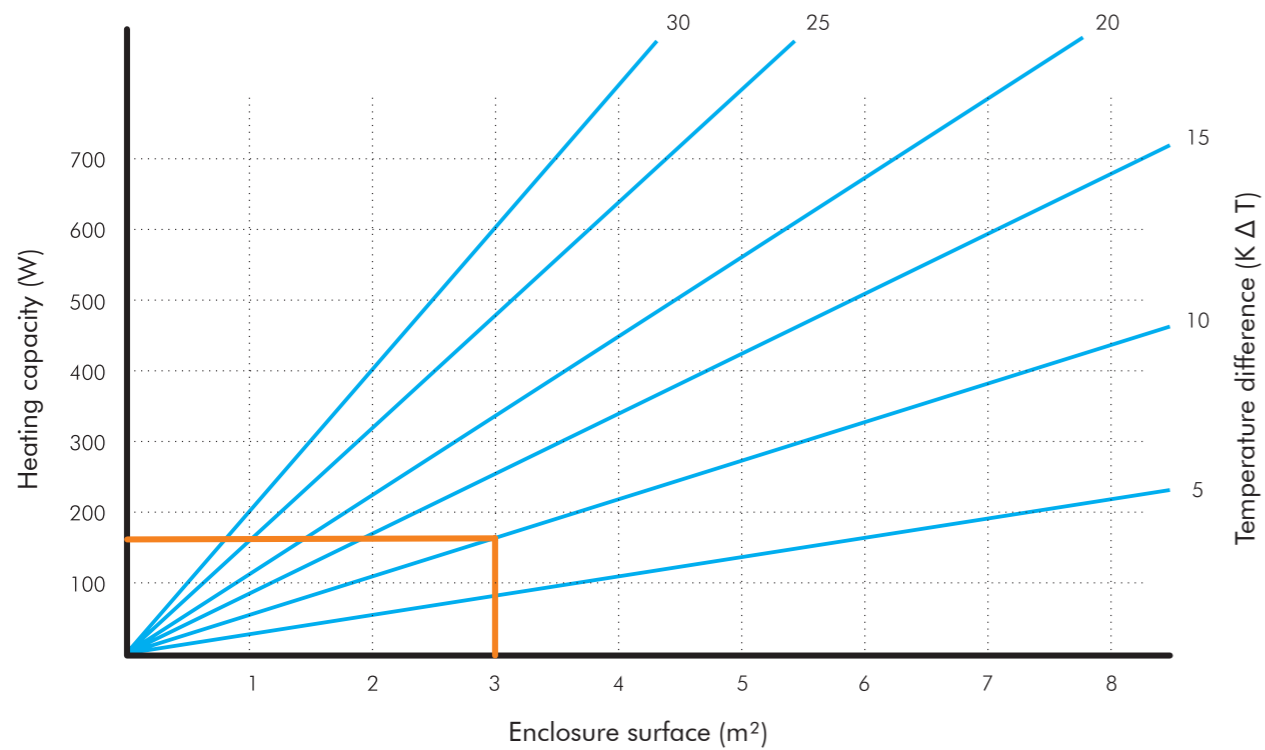
Wide range of solutions

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.

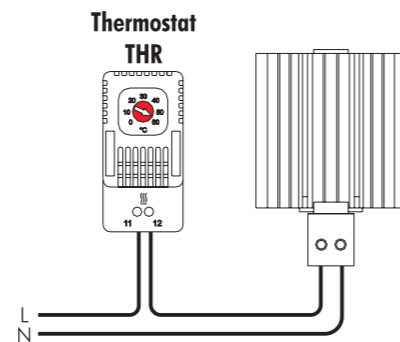
Anticondensation heaters selection diagram



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

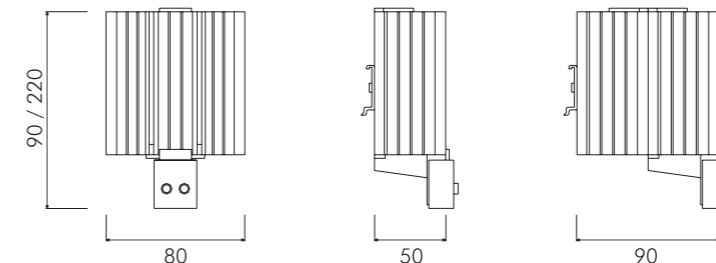


| Features | Unit | SHT25 | SHT50 | SHT75 | SHT100 | SHT125 | SHT150 |
|---------------------------|---------|--|-----------|-----------|-----------|-----------|-----------|
| Heating Capacity* | W | 25 | 50 | 75 | 100 | 125 | 150 |
| Power supply | V | 110-250V AC or DC | | | | | |
| Max. current | 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 mm² | | | | | |
| 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° | THR22 |
| Hygrothermostat 0-60°C 30-90%RH | ETUH22 |



HEATING



Heaters
15-50W

SHT W

PTC HEATERS, WIRE CONNECTION

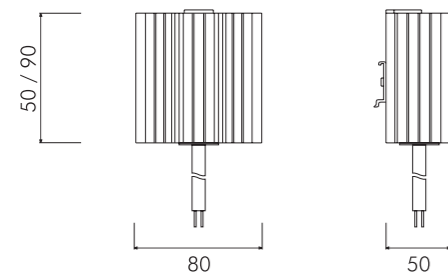


| Features | Unit | SHT15W | SHT25W | SHT50W |
|---------------------------|---------|--|----------|----------|
| Heating Capacity* | W | 15 | 25 | 50 |
| Power supply | V | 110-250V AC or DC | | |
| Max. current | A | 2A | 2A | 2A |
| Heating element type | - | PTC resistor, self regulating | | |
| 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° | THR22 |
| Hygrothermostat 0-60°C 30-90%RH | ETUH22 |



HEATING



Fan heaters
250-500W

FSHT

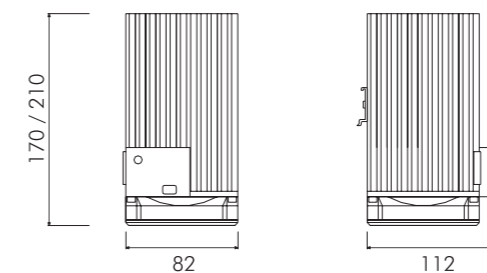
FAN ASSISTED, RESISTOR HEATERS



| Features | Unit | FSHT250 | FSHT251 | FSHT500 | FSHT501 |
|---------------------------|---------|---|------------|------------|------------|
| Heating Capacity | W | 250 | 250 | 500 | 500 |
| Power supply | V/Hz | 230/50-60 | 115/50-60 | 230/50-60 | 115/50-60 |
| Max. current | A | 1.2 | 2.4 | 2.4 | 4.8 |
| 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 m ³ /h, free flow | | | |
| Signalling | - | Green LED power ON | | | |
| Electrical connections | - | 3 screw terminals for stranded or rigid wire 2.5 mm ² | | | |
| 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 | 170x112x82 | 170x112x82 | 210x112x82 | 210x112x82 |
| Weight | kg | 1.4 | 1.4 | 1.6 | 1.6 |
| Conformity | - | CE | | | |

Accessories

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



HEATING



Heaters 5-30W

MHT

COMPACT PTC HEATERS

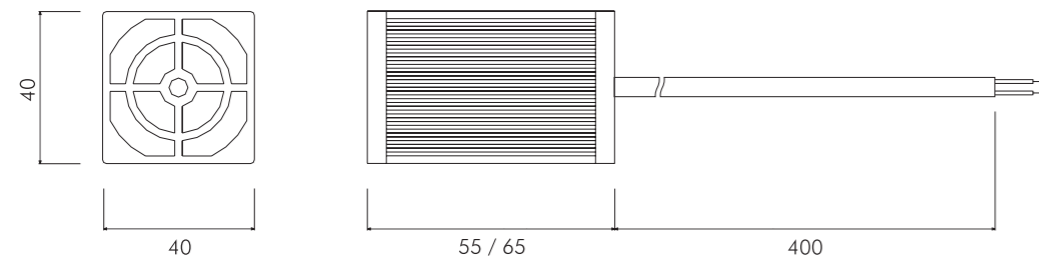


| Features | Unit | MHT5 | MHT15 | MHT30 |
|---------------------------|---------|--|----------|----------|
| Heating Capacity* | W | 5 | 15 | 30 |
| Power supply | V | 110-250V AC or DC | | |
| Max. current | A | 1.5 | 2A | 2A |
| Heating element type | - | PTC resistor, self regulating | | |
| Electrical 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 | kg | 0.110 | 0.110 | 0.130 |
| 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° | THR22 |
| Hygrothermostat 0-60°C 30-90%RH | ETUH22 |



HEATING



Fan heaters 75-230W

FMHT

FAN ASSISTED, COMPACT PTC HEATERS

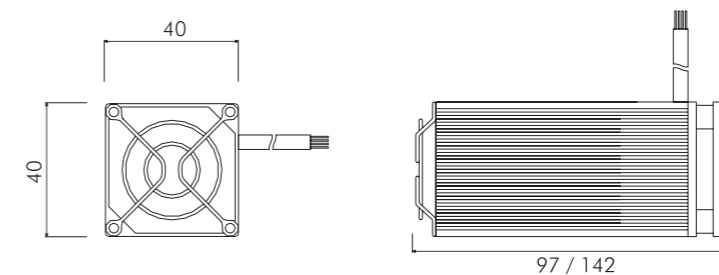


| Features | Unit | FMHT75 | FMHT100 | FMHT150 | FMHT230 |
|---------------------------|---------|---|----------|-----------|-----------|
| Heating Capacity* | W | 75 | 100 | 150 | 230 |
| Power supply | V/Hz | Heater 110-250V AC/DC - Fan 24V AC/DC | | | |
| Max. current | A | 4A | 4A | 6A | 6A |
| Heating 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 m ³ /h, free flow | | | |
| Electrical connections | - | Silicon cable, 4x0.5 mm ² , 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 |
| Cable length | mm | 400 | 400 | 400 | 400 |
| Weight | kg | 0.2 | 0.2 | 0.26 | 0.28 |
| 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° | THR22 |
| Hygrothermostat 0-60°C 30-90%RH | ETUH22 |





THV - THR THERMOSTATS

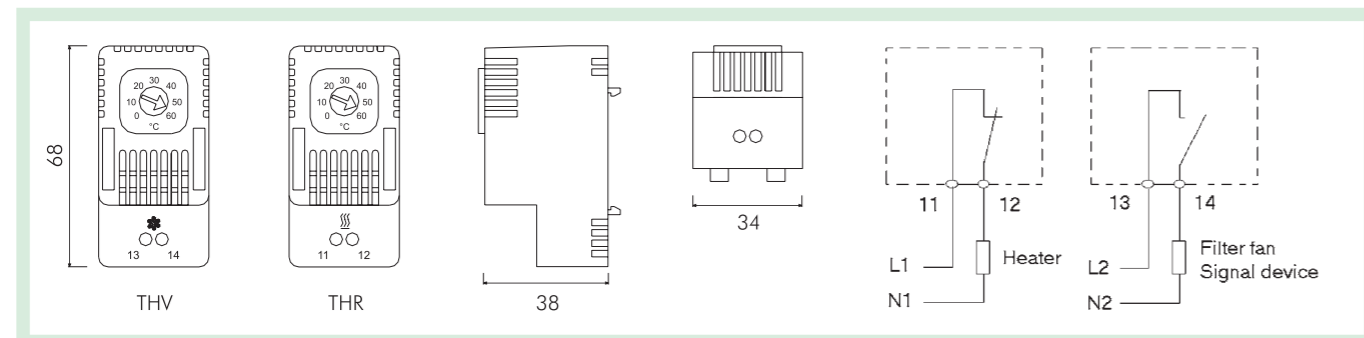
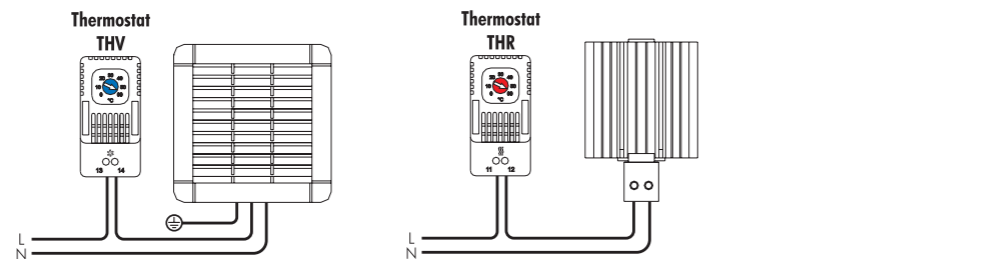
Compact Thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provides high capacity NO or NC contact.
Two versions available:



| | | | |
|-------|------------|---|--|
| 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 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 | 68x34x38 | | | | | |
| Weight | kg | 48 | | | | | |

| Accessories | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL |
|------------------|------------|------------|------------|------------|------------|------------|
| DIN rail bracket | | | | | | |



THRV - THV DOUBLE-THERMOSTATS

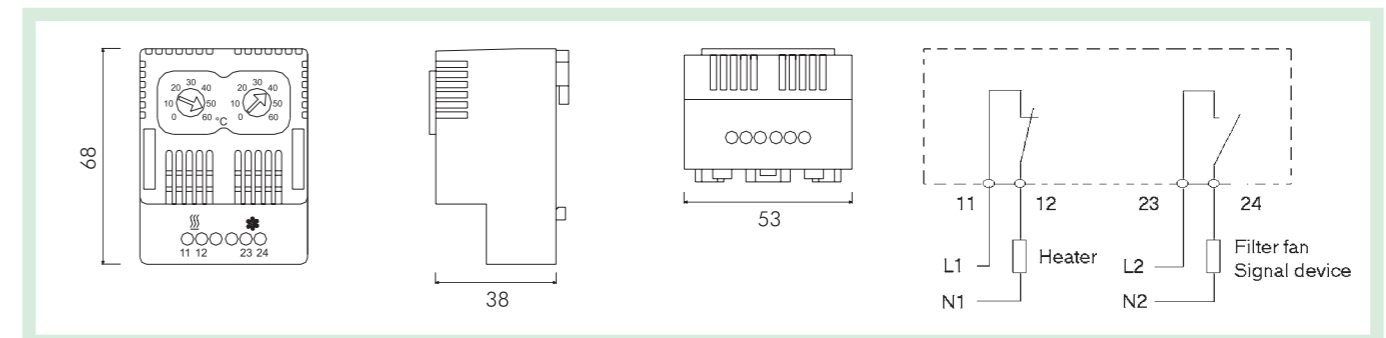
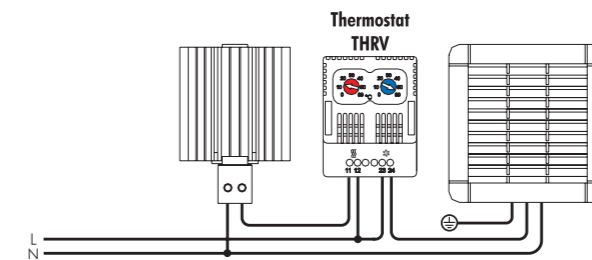
Compact double thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provide high capacity and separated
NO and NC contacts in different combinations.
Three versions available:



| | | | | |
|--------|----|---|----|---|
| THRV13 | NC | ● | NO | ● |
| THRV22 | NC | ● | NO | ● |
| THV22 | NO | ● | NO | ● |

| Features | Unit | THRV13 | | THRV22 | | THV22 | |
|---|---------|--|---------|--------|-------|-------|-------|
| 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 | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL |
|------------------|------------|------------|------------|------------|------------|------------|
| DIN rail bracket | | | | | | |



ETUH

THERMO-HYGROSTAT

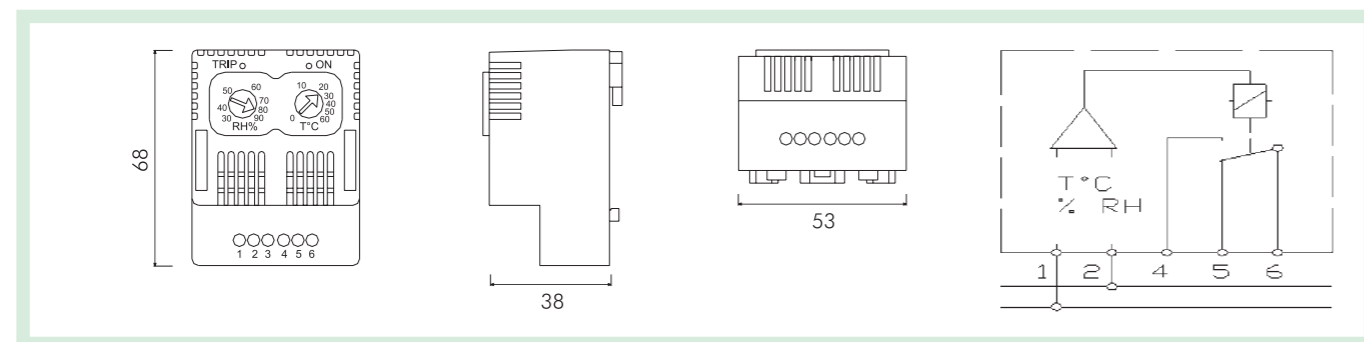
Electronic Hygrothermostat for DIN 35 mm. rail mounting. Typically used to control enclosure heaters. The change over contact triggers either for high humidity or low temperature, independently set adjustable. LED display of power on and status.



| 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

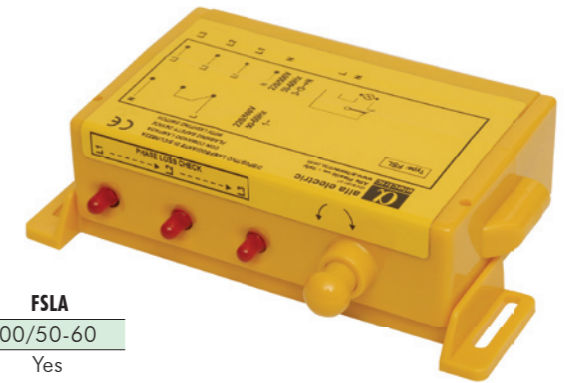
| | | |
|------------------|------------|------------|
| DIN rail bracket | GUIDADINPL | GUIDADINPL |
|------------------|------------|------------|



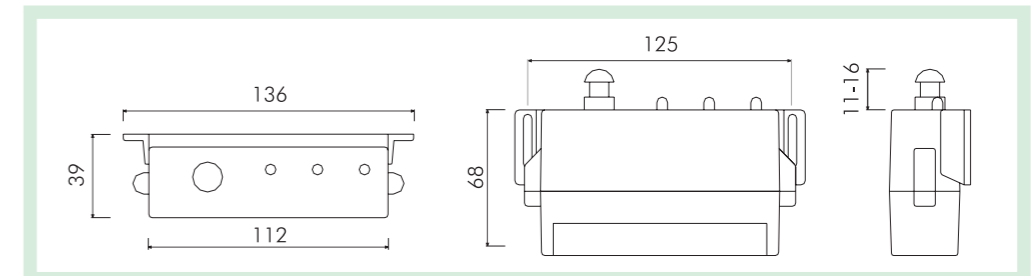
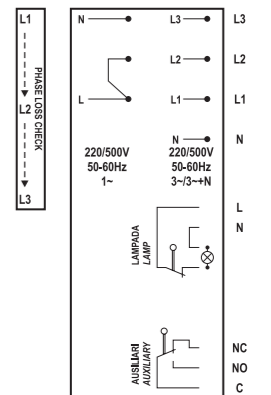
FS

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.)



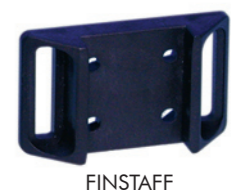
| Features | Unit | FS | FSL | FSLA |
|--------------------------------------|-----------------|--|----------------|----------------|
| Power supply | V/Hz | 1ph 115-230/50-60 or 3ph 400/50-60 | | |
| Power on, Phase sequence, Phase loss | Yes/No | Yes | Yes | Yes |
| Signal | - | n° 3 LEDs, red | n° 3 LEDs, red | n° 3 LEDs, red |
| Contact for lamp | Yes/No | No | Yes | Yes |
| Contact type | - | - | NC | NC |
| Max current | A | - | 5 | 5 |
| Service life | Cycles | - | > 25.000 | > 25.000 |
| Auxiliary Contact | Yes/No | 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 | |





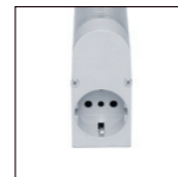
LAMP CP22

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 | LAMP CP22 | LAMP SP22 |
|---------------------------|--------|--|-----------|
| 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 | |

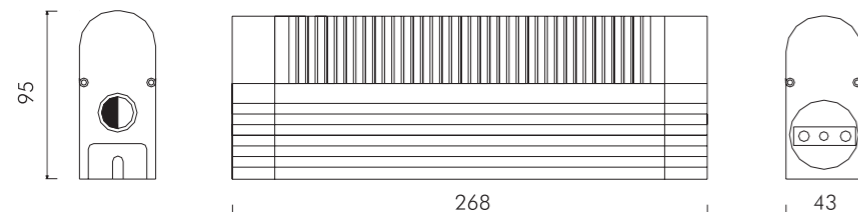


Versions

| | | |
|---------------------------|----------------|----------------|
| Clip mounting on DIN rail | LAMP CP22+CLIP | LAMP SP22+CLIP |
| Magnet mounting | LAMP CP22+MAGN | LAMP SP22+MAGN |
| Bracket mounting | LAMP CP22+STAF | LAMP SP22+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

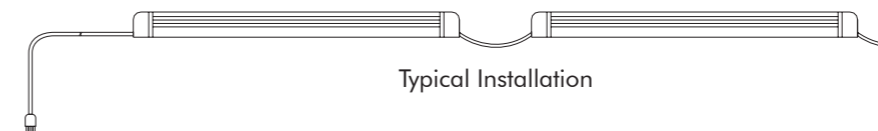
Slim and versatile fluorescent lamp. More units can be connected together in a chain up to a total power of 100W, by using the addition interconnection cable including in the packaging.



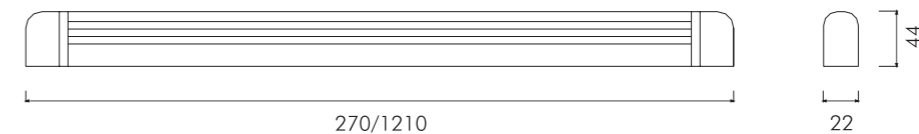
| Features | Unit | LAMP3604 | LAMP3605 | LAMP3606 | LAMP3607 | LAMP3608 |
|-------------------------|--------|--|-----------|-----------|-----------|------------|
| Power supply | V/Hz | 230/50 | | | | |
| Lamp type | - | T5 fluorescent lamp with integrated electronic ballast | | | | |
| Power consumption | 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 |



Typical Installation



LIGHTING



Lamps
10 - 30W

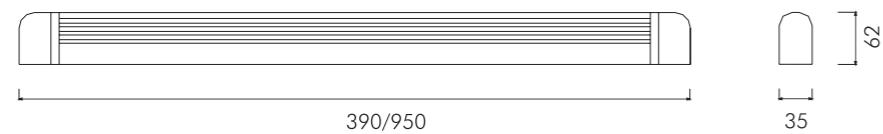
LAMP 3012

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 | 0.7 | 0.85 | 1.25 |
| Conformity | - | CE | | | |

| Accessories | | FINCOR | FINCOR | FINCOR | FINCOR |
|---|--|--------|--------|--------|--------|
| 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 |



LIGHTING



Lamps
8 - 13W

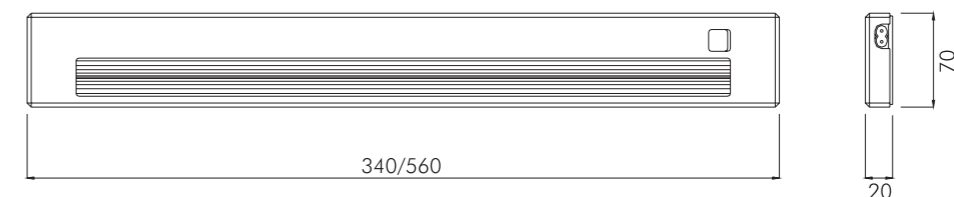
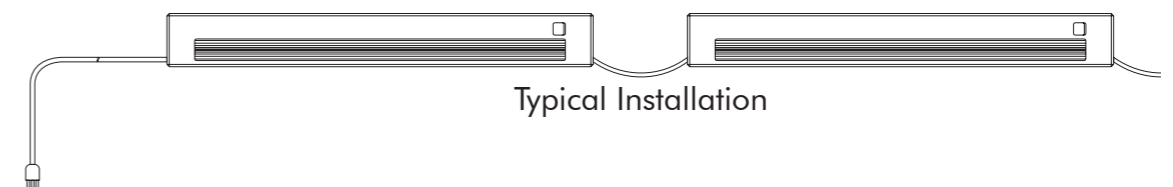
LAMP 2005

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 | | FINCOR | FINCOR |
|---|--|--------|--------|
| 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 |



ACCESSORIES



Sockets

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.



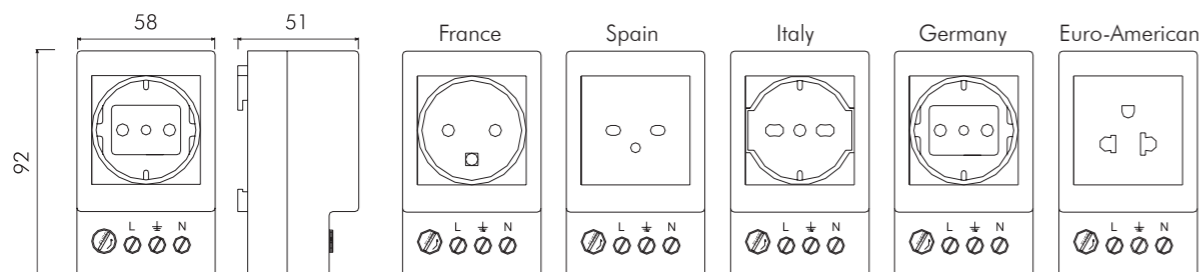
| Features | Unit | ALFASOCKET01 | ALFASOCKET02 | ALFASOCKET03 | ALFASOCKET04 | ALFASOCKET05 |
|------------------------|---------|--|--------------|--------------|---------------|--------------|
| Standard | - | Germany | Italy | France | Euro-American | Spain |
| Voltage | V | 250 | 250 | 250 | 125 | 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 |
|-----------------|---------------|---------------|---------------|---------------|---------------|

Accessories

| | | | | | |
|--|------------|------------|------------|------------|------------|
| | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL | GUIDADINPL |
|--|------------|------------|------------|------------|------------|



ACCESSORIES



ALFAPRSCH



DIN RAIL SOCKET

Cost-effective Schuko socket for DIN rail mounting.

| Features | Unit | |
|--------------------|------|----------|
| Rated voltage, max | V | 250 |
| Maximum current | A | 16 |
| Dimensions HxWxD | mm | 70x53x60 |
| Weight | kg | 0,04 |
| Conformity | - | 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

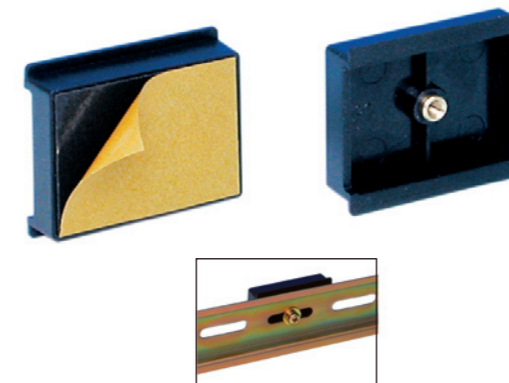


PRESSURE EQUALIZER

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 |

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 |
| Maximum 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 |