# ATV 43 - ATV 44



| IP54 | | ATV4000 | ATV4300 | ATV4301 | ATV4324 | ATV4348 | ATV4400 | ATV4401 | ATV4440 |
|---|---|---|---|---|---|---|---|---|---|
| NEMA Type12 cULus File n. E301228 | | ATV4000U | ATV4300U | ATV4301U | ATV4324U | ATV4348U | ATV4400UPR | ATV4401UPR | - |
| Air flow rate, free blow | m³/h | - | 255 / 290 | 255 / 290 | 255 | 255 | 410 / 445 | 410 / 445 | 410 / 445 |
| Air flow rate with exit filter | m³/h | - | 202 / 235 | 202 / 235 | 202 | 202 | 280 / 302 | 280 / 302 | 280 / 302 |
| Filter mat EN779 | - | G3 | G3 | G3 | G3 | G3 | G3 | G3 | G3 |
| IP55 | | ATV400055 | ATV430055 | ATV430155 | ATV432455 | ATV434855 | ATV440055PR | ATV440155PR | ATV444055PR |
| IP55 UV resistant NEMA Type3 cULus File n. E301228 | | ATV4000V | ATV4300V | ATV4301V | ATV4324V | ATV4348V | ATV4400VPR | ATV4401VPR | ATV4440VPR |
| Air flow rate, free blow | m³/h | - | 210 / 240 | 210 / 240 | 210 | 210 | 340 / 365 | 340 / 365 | 340 / 365 |
| Air flow rate with exit filter | m³/h | - | 166 / 190 | 166 / 190 | 166 | 166 | 230 / 250 | 230 / 250 | 230 / 250 |
| Filter mat EN779 | - | G4 | G4 | G4 | G4 | G4 | G4 | G4 | G4 |
| Power supply | V \| ph \| Hz | - | 230 \| 1 \| 50/60 | 115 \| 1 \| 50/60 | 24 DC | 48 DC | 230 \| 1 \| 50/60 | 115 \| 1 \| 50/60 | 400 \| 3 \| 50/60 |
| Dimensions HxWxD | mm | 250x250x38 | 250x250x128 | 250x250x128 | 250x250x128 | 250x250x128 | 250x250x136 | 250x250x136 | 250x250x136 |
| Power consumption | W | - | 40 / 38 | 40 / 38 | 26 | 33 | 70 / 90 | 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 | thermal | impedance | impedance | thermal | thermal | thermal |
| Electrical connection | - | - | 3-poles spring terminals * | 3-poles spring terminals * | 2-poles spring terminals * | 2-poles spring terminals * | 3-poles spring terminals * | 3-poles spring terminals * | 4-p s t* |
| Duty cycle | - | - | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Operating temperature | °C (°F) | -10 / +70 (+14 / +158) | | | | | | | |
| Protection class | - | - | Class I | | | | | | |
| Noise level | dB(A) | - | 53 (58) | 53 (58) | 61 | 61 | 65 (68) | 65 (68) | 65 (68) |
| Flow direction | - | - | reversible, default factory setting outside-in (inside-out for UPR, 55PR and VPR models) | | | | | | |
| Bearing | - | - | ball | | | | | | |
| Service life (at 40°C) | hr | - | 50 000 | | | | | | |
| Material | - | thermoplastic UL94V-0, color RAL7035 (IP55 UV resistant): thermoplastic, color RAL7035 | | | | | | | |
| Wall thickness | mm | 1.2 - 2.4 | | | | | | | |
| Gasket | - | Foam seal gasket | | | | | | | |
| Weight (with packaging) | kg | 0.52 (0.62) | 1.72 (1.92) | 1.72 (1.92) | 1.53 (1.73) | 1.53 (1.73) | 2.74 (2.94) | 2.74 (2.94) | 2.74 (2.94) |
| Package dimensions H x W x D | mm | 270x270x47 | 270x270x165 | | | | | | |
| Mounting | - | Fast clip-on | | | | | | | |
| Conformity/Certifications | - | CE, UL cULus (model with U letter at the end of the code) | | | | | | | |

* 0.5-2.5mm²

**Accessories**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Thermostat 0-60°C, NO contact | - | THV2 | | | | | | | |
| Fan speed controller | - | - | FSC1 | FSC1 | - | - | FSC1 | FSC1 | - |
| Hood for IP56 | | CUFF20B | | | | | | | |



250 · 250 · 38 · 113 · 15 · 121 · 15 · 224⁺¹₋₁ · 224⁺¹₋₁ · CUT OUT

ATV43   ATV44
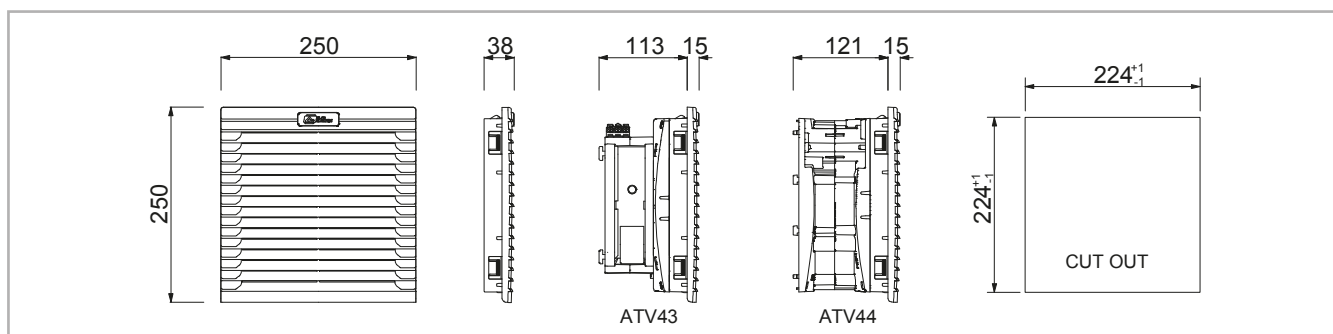
Specifications, values and drawings are subject to change without notice.

# T-FAN | Filter Fans
High performance, fast mounting and easy maintenance

### Modern design

A positive visual impact is given by the up-to-date design of the grills and the minimal external projection. All molded parts are made of highly resistant and self-extinguishing ABS, UL94 V-0 grade. The standard color is RAL 7035.

### Easy maintenance

Easy maintenance thanks to openable front grill. Replacement of soiled filter mat takes only few seconds and doesn't require tools.

### Wide range of air flow ratings

Flow ratings from 26 to 700 m³/h.

### Optimal enclosure protection

The special configuration of the grill, the foam seal gasket and the filter mat ensure an IP54 protection degree towards the enclosure.

### Quick electrical connection

ATV are fitted with spring terminals for a faster and safer wiring. Default terminals position is on the top of the fan but it can easily be changed at the bottom according to wiring needs without tools, thanks to Fan Quick Lock system.

### Fan Quick Lock (FQL)

Default air flow direction is from outside towards inside the enclosure. If needed the user can easily reverse the direction thanks to the Fan Quick Lock system, without tools.

### Fast installation

Installation is fast thanks to the simple square cutout on the enclosure and to the snap-in fixing system. No screws are needed.
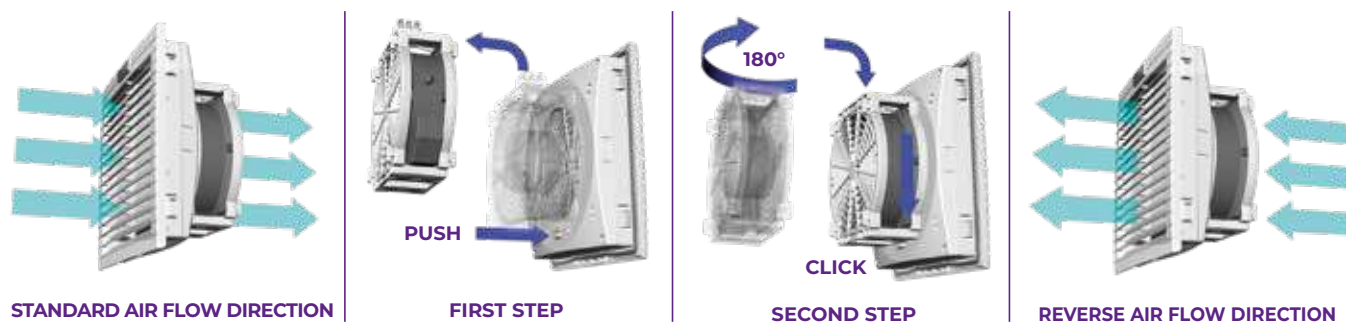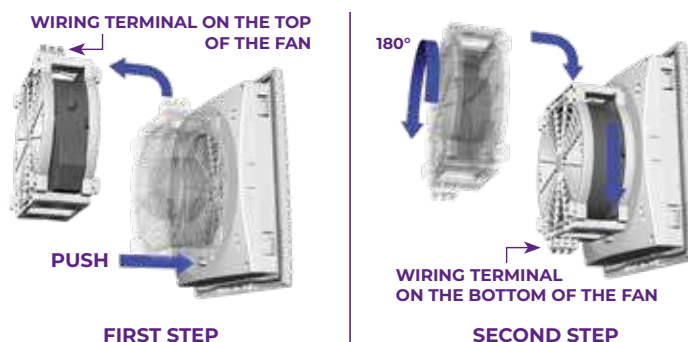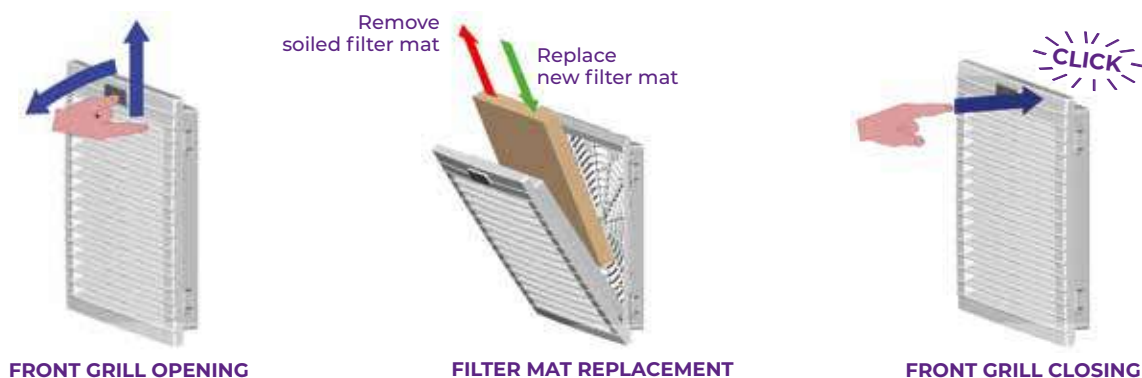
# T-FAN

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# FAN QUICK LOCK (FQL)
## Reverse Air Flow

| STANDARD AIR FLOW DIRECTION | FIRST STEP | SECOND STEP | REVERSE AIR FLOW DIRECTION |

**PUSH**

**180°**

**CLICK**

## Terminal top/bottom inversion

WIRING TERMINAL ON THE TOP OF THE FAN

**180°**

**PUSH**

WIRING TERMINAL ON THE BOTTOM OF THE FAN

| FIRST STEP | SECOND STEP |

# EASY MAINTENANCE Fast filter mat replacement (FMR)

Remove soiled filter mat

Replace new filter mat

CLICK

| FRONT GRILL OPENING | FILTER MAT REPLACEMENT | FRONT GRILL CLOSING |

## COOLING PERFORMANCE DIAGRAM

Cooling capacity (W)

3000
2000
1000
800
600
500
400
300
200
100

25°C 20°C 15°C 10°C

5°C

Cabinet - Ambient temperature difference

Air flow rate (m³/h)

3  4  5  6  7 8  10       20       30  40 50 60 80 100      200   300 400 500 600 800
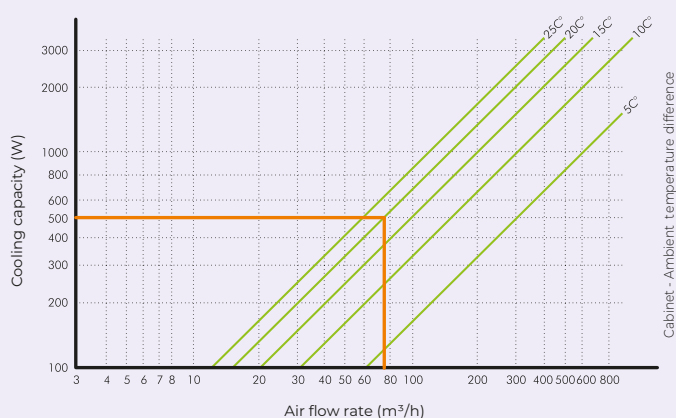
## FILTER FAN SELECTION WITH WATT-A-CALCULATOR

Watt-a-Calculator is a selection software that machtes the best model to the specific customer application. Watt-a-Calculator is available on Alfaelctric web site. Please visit it and follow the easy instructions to find your solutions.
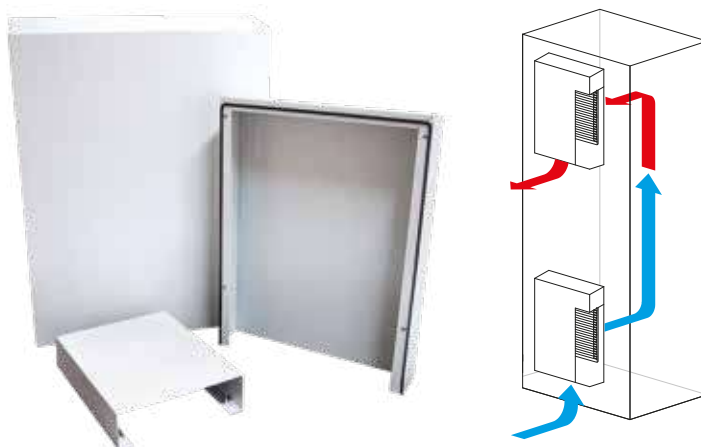**www.alfalectric.com/wattcalc**

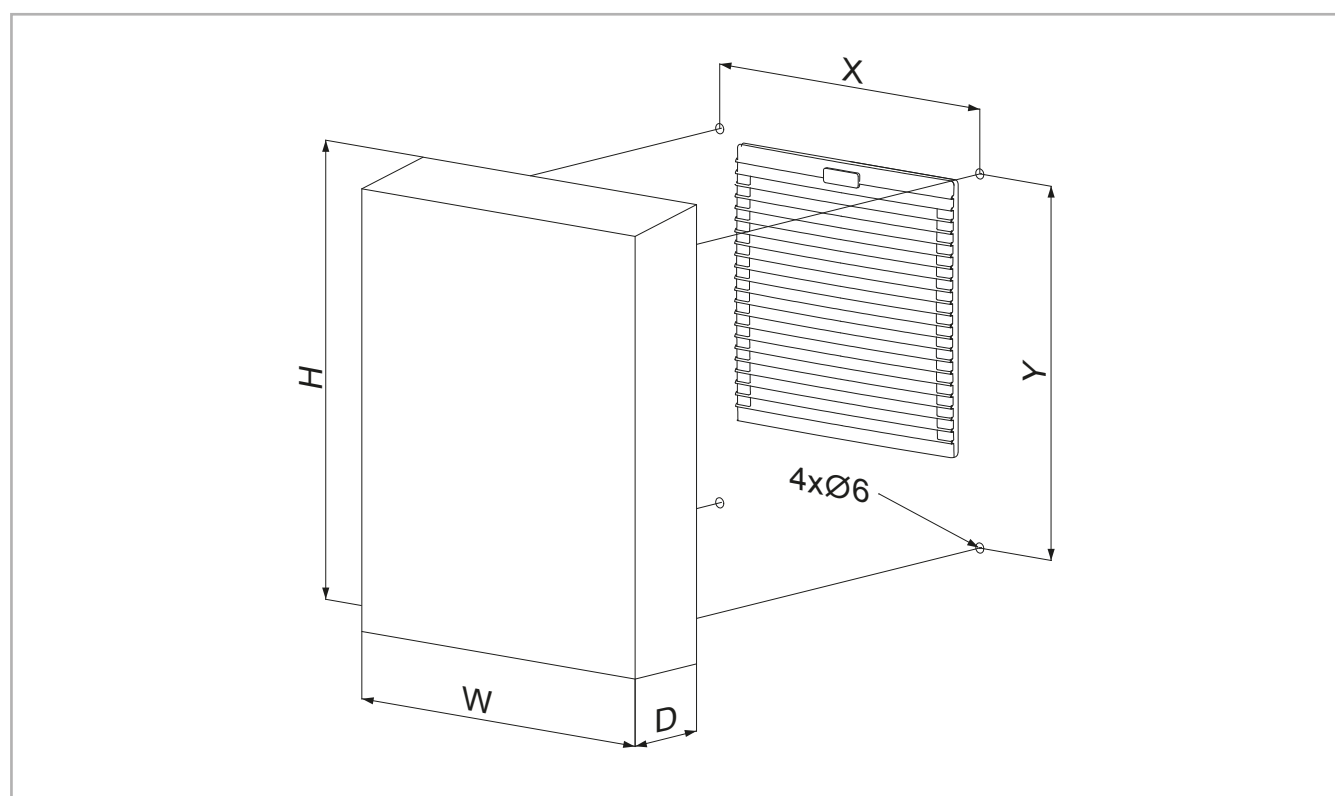Specifications, values and drawings are subject to change without notice.

# CUFF

## PROTECTION HOODS FOR FILTER FANS

Protection hoods allows to achieve IP56
protection degree for filter and
filter fan applications

| FEATURES | | Unit | CUFF10B | CUFF20B | CUFF30B | CUFF10X | CUFF20X | CUFF30X |
|---|---|---|---|---|---|---|---|---|
| Suitable for | | - | ATV1 / ATV2 | ATV3 / ATV4 | ATV5 | ATV1 / ATV2 | ATV3 / ATV4 | ATV5 |
| | | | ALFAA / ALFA1 | ALFAB / ALFA2 | ALFA3 | ALFAA / ALFA1 | ALFAB / ALFA2 | ALFA3 |
| Material | | - | Galvanised sheet steel powder coated RAL7035 | | | Stainless steel AISI304 | | |
| Dimensions | H | mm | 255 | 425 | 540 | 255 | 425 | 540 |
| | W | mm | 195 | 325 | 410 | 195 | 325 | 410 |
| | D | mm | 60 | 60 | 110 | 60 | 60 | 110 |
| | X | mm | 175 | 305 | 390 | 175 | 305 | 390 |
| | Y | mm | 175 | 285 | 440 | 175 | 285 | 440 |
| Mounting | | - | By screws | | | | | |
| Gasket | | - | foam seal gasket | | | | | |
| Weight | | Kg | 0.8 | 1.9 | 3.3 | 0.8 | 1.9 | 3.3 |
| Conformity | | - | CE | | | | | |

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# ATVF - ALFAF

**SPARE FILTER MATS FOR FILTER FANS**

Standard filter mats for 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.
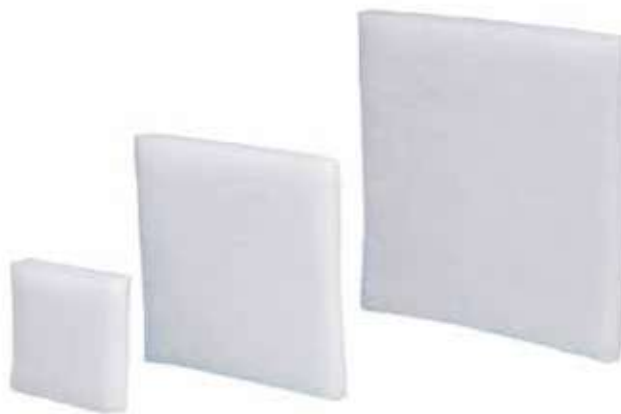
| FEATURES | ATVF1 | ATVF2 | ATVF3 | ATVF4 | ATVF5 |
|---|---|---|---|---|---|
| Supported products | ATV1 series | ATV2 series | ATV3 series | ATV4 series | ATV5 series |
| Filter class | G2 | G3 | | | |
| Pcs in 1 pack | 10 | | | | |

| FEATURES | ALFAFBPA0 | ALFAFBP10 | ALFAFBPB0 | ALFAFBP20 | ALFAFBP30 |
|---|---|---|---|---|---|
| Supported products | ALFAA series | ALFA1 series | ALFAB series | ALFA2 series | ALFA3 series |
| Filter class | G2 | G3 | | | |
| Pcs in 1 pack | 10 | | | | |

| FEATURES | ALFAFT10 | ALFAFT15 |
|---|---|---|
| Supported products | ALFATORR06__BF \| ALFATORR08__BF \| ALFATORR10__BF | ALFATORR1450BF-1451BF |
| Pcs in 1 pack | 10 | |

# ATVFU

**SPARE FILTER MATS FOR UL CERTIFIED FILTER FANS**
UL certified filter mats for filter fans and filter units.
These filters are made of self-extinguishing synthetic fibres with a progressive filtering capacity.

| FEATURES | ATVF1U | ATVF2U | ATVF3U | ATVF4U | ATVF5U |
|---|---|---|---|---|---|
| Supported products | ATV1U series | ATV2U series | ATV3U series | ATV4U series | ATV5U series |
| Filter class | G3 | | | | |
| Pcs in 1 pack | 10 | | | | |

# ATVFX - ALFAFX

**HIGH EFFICIENCY SPARE FILTER MATS FOR FILTER FANS**
High efficiency filter mats are used in is very fine dust environments.
Air flow rates is substantially reduced and this should be take into account when selecting the filter fan.

| FEATURES | ATVF1X | ATVF2X | ATVF3X | ATVF4X | ATVF5X |
|---|---|---|---|---|---|
| Supported products | ATV1 series | ATV2 55 series | ATV3 55 series | ATV4 55 series | ATV5 55 series |
| | ATV1 series | ATV2 V series | ATV3 V series | ATV4 V series | ATV5 V series |
| Filter class | G3 | G4 | | | |
| Pcs in 1 pack | 10 | | | | |

| FEATURES | ALFAFBPA0X | ALFAFBP10X | ALFAFBPB0X | ALFAFBP20X | ALFAFBP30X |
|---|---|---|---|---|---|
| Supported products | ALFAA series | ALFA1 series | ALFAB series | ALFA2 series | ALFA3 series |
| Filter class | G3 | G4 | | | |
| Pcs in 1 pack | 10 | | | | |

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AEL-CAT-EN-24-00

## ALFAKF
### COMPACT FILTER UNITS

Suitable for direct screw mounting on axial fans.
They can also be mounted with the fan inside the enclosure.
Mounting holes diameter Ø6.0-6.5 mm.
Self-estinguishing plastic, black.

| 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 | 150x200 | 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 with standard filter mat | 125x125x10 | 20 |
| ALFAKR120R | Compact filter unit with metallic filter mesh | 125x125x10 | 20 |
| ALFAKR120RF | Compact filter unit with standard filter mat and metallic filter mesh | 125x125x10 | 20 |

## ALFAGM
### METALLIC PROTECTION GRILLS

Finger guard metallic protection grills for axial fans.
Range Ø 40-254 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 |

## 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 |

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