**Datasheet**
# RS PRO FL Series Filter Fans



**Product Details**

The RS Pro FL series of filter fan are highly efficient fans providing filtration to G4 standards according to DIN EN 779 with a filtering degree of 94%. All filter fans are manufactured from UL listed materials and include silver rather than copper contacts. These filter fans are environmentally sealed to IP54 and have an operating temperature of -40°C to +70°C. For additional peace of mind all fans are 100% tested when half-finished and again when fully complete ensuring all fans meet the highest standards.

## Features and Benefits

- G4 filter standards acc. to DIN EN 779
- IP54
- Even air flow across surface
- 230V, 115V & 24V variations
- Buckle Lock Door

## Applications

- Control Panels
- Junction Boxes
- Power Distribution
- Automation Equipment
- Welding Machines
- Packing and Labelling Machines
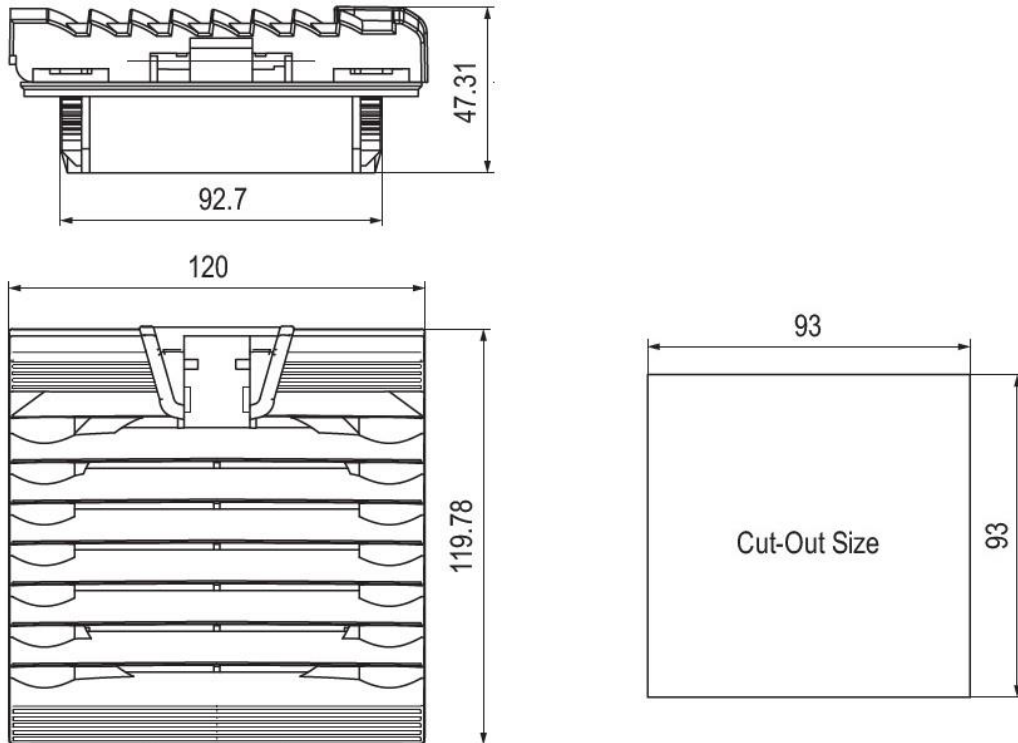
## Quality Standards

UK CA       CE       RoHS Compliant

# Dimensional line drawings

## FL120
## Stock Codes : <mark>2364590 & 2364598</mark>

47.31

92.7

120

119.78

93

Cut-Out Size

93

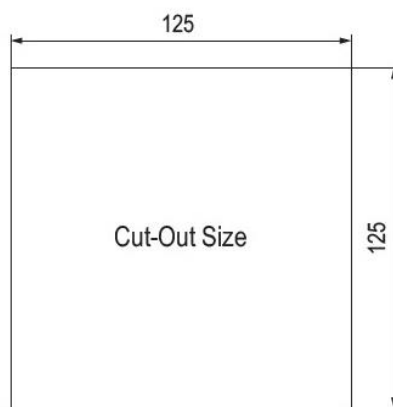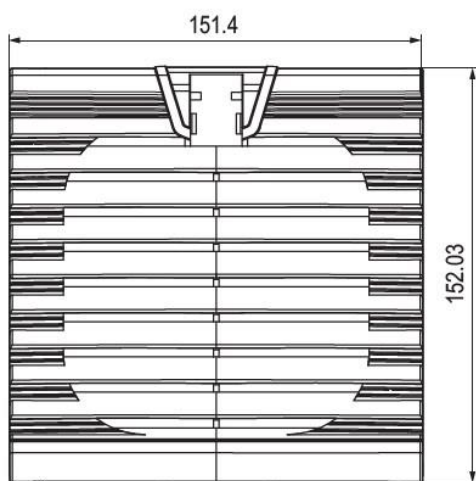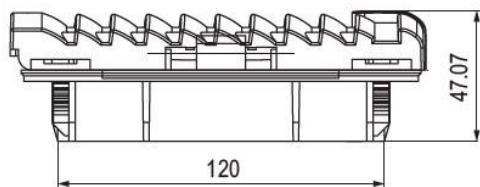## Technical Data

| FL120 | |
|---|---|
| Axial fan, ball bearing | service life L10 at +40°C (+104°F): min. 50,000h fan body aluminium, rotor metal |
| Connection | 2 stranded wires, 300mm |
| Enclosure cut-out | 93 x 93mm$^{+1}$ mm |
| Mounting frame | 4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed. |
| Filter mat | G4 acc. to DIN EN779, filtering degree 94% |
| Filter material | New ABS material confirm to RoHS,Fireproof or not fireproof can be choose |
| Operating/Storage temperature | -40 to +70°C (-40 to +158°F) |
| Operating/Storage humidity | max. 90% RH (non-condensing) |
| Protection type/Protection class | IP54 / I (earthed) |

# Dimensional line drawings

## FL152
## Stock Codes : <mark>2364591 & 2364599</mark>



47.07

120

151.4

152.03

125

Cut-Out Size

125

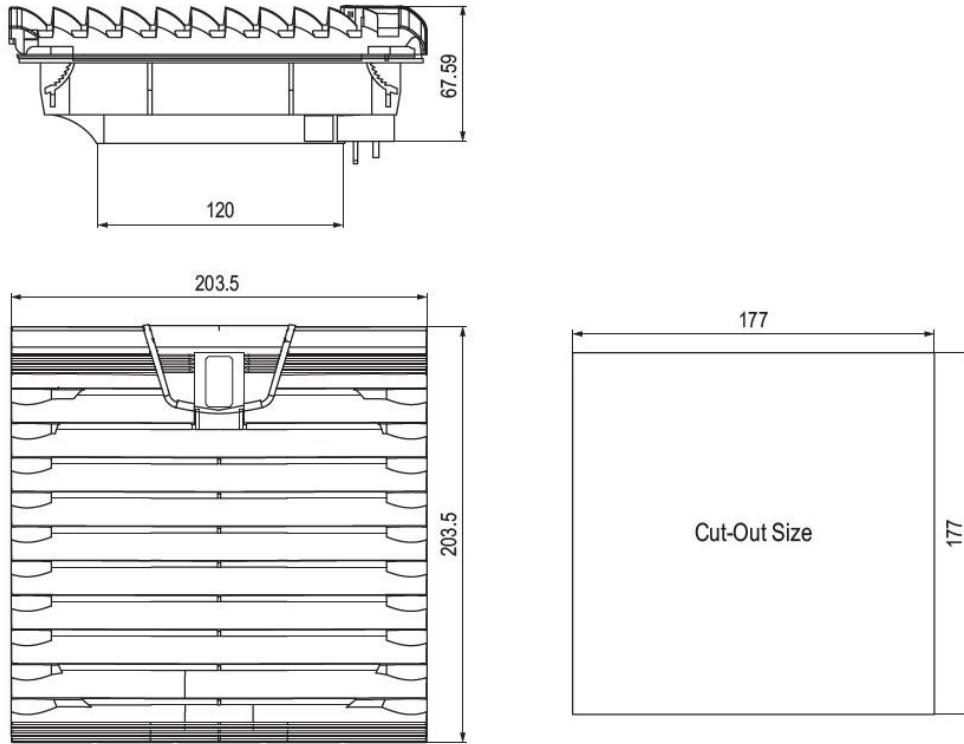## Technical Data

| FL152 | |
|---|---|
| Axial fan, ball bearing | service life L10 at +40 °C (+104 °F): min. 37,000 h fan body aluminium, rotor metal |
| Connection | 2 stranded wires, 160mm |
| Enclosure cut-out | 125 x 125$^{+1}$ mm |
| Mounting frame | 4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed. |
| Filter mat | G4 acc. to DIN EN779, filtering degree 94% |
| Filter material | New ABS material confirm to RoHS, Fireproof or not fireproof can be choose |
| Operating/Storage temperature | -40 to +70°C (-40 to +158°F) |
| Operating/Storage humidity | max. 90% RH (non-condensing) |
| Protection type/Protection class | IP54 / I (earthed) |

# Dimensional line drawings

## FL204
## Stock Codes : <mark>2364593, 2364596 & 2364597</mark>



67.59

120

203.5

203.5

177

Cut-Out Size
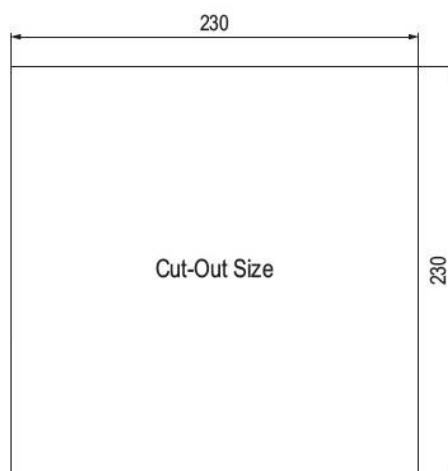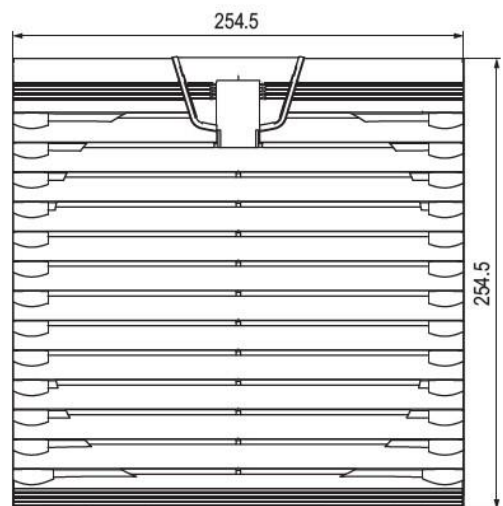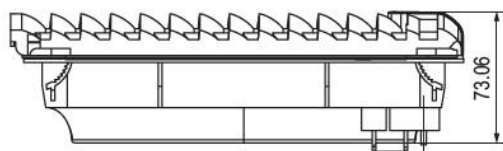
177

## Technical Data

| FL204 | |
|---|---|
| Axial fan, ball bearing | service life L10 at +40°C (+104°F): min. 65,000h fan body aluminium, rotor metal |
| Connection | 3-pole clamp for 2.5mm², clamping torque 0.8Nm max. |
| Enclosure cut-out | 177 x 177[+1] mm |
| Mounting frame | 4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed[1]. |
| Filter mat | G4 acc. to DIN EN779, filtering degree 94% |
| Filter material | New ABS material confirm to RoHS,Fireproof or not fireproof can be choose |
| Operating temperature | 50 Hz:-25 to +50°C (-13 to +122°F), 60 Hz:-25 to +70°C (-13 to +158°F) |
| Storage temperature | -40 to +70°C (-40 to +158°F) |
| Operating/Storage humidity | max. 90% RH (non-condensing) |
| Protection type/Protection class | IP54 / I (earthed) |

# Dimensional line drawings

## FL255
## Stock Codes : <mark>2364594 & 2364600</mark>



73.06

254.5

254.5

230

230

Cut-Out Size

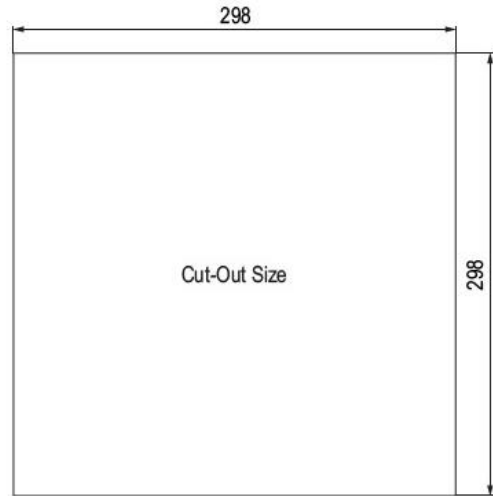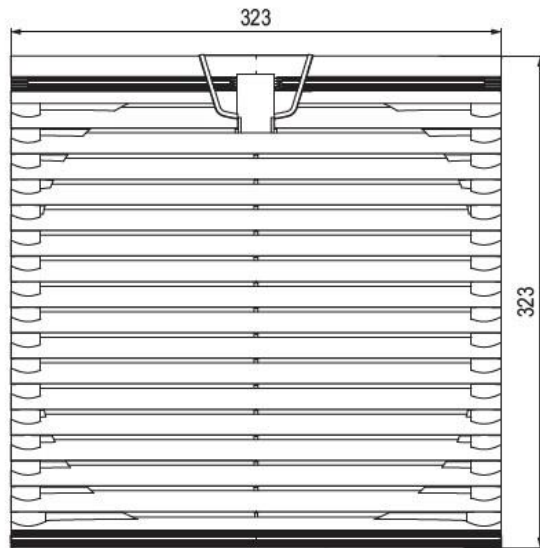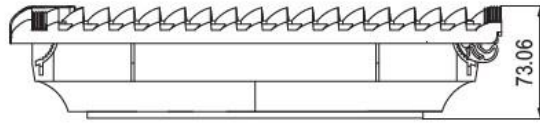## Technical Data

| FL255 | |
|---|---|
| Axial fan, ball bearing | service life L10 at +40 °C (+104°F): min. 56,000h rotor metal |
| Connection | 3-pole clamp for 2.5mm², clamping torque 0.8Nm max. |
| Enclosure cut-out | 230 x 230$^{+1}$ mm |
| Mounting frame | 4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed[1]. |
| Filter mat | G4 acc. to DIN EN779, filtering degree 94% |
| Filter material | New ABS material confirm to RoHS,Fireproof or not fireproof can be choose |
| Operating/Storage temperature | -25 to +65°C (-13 to +149°F) / -40 to +70°C (-40 to +158°F) |
| Operating/Storage humidity | max. 75% RH (non-condensing) |
| Protection type/Protection class | IP54 / I (earthed) |

# Dimensional line drawings

## FL323
## Stock Codes : 2364595

73.06

323

323

298

298

Cut-Out Size

## Technical Data

| FL323 | |
|---|---|
| Axial fan, ball bearing | service life L10 at +40 °C (+104°F): min. 56,000h rotor metal |
| Connection | 3-pole clamp for 2.5mm², clamping torque 0.8Nm max. |
| Enclosure cut-out | 298 x 298*¹ mm |
| Mounting frame | 4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed¹. |
| Filter mat | G4 acc. to DIN EN779, filtering degree 94% |
| Filter material | New ABS material confirm to RoHS,Fireproof or not fireproof can be choose |
| Operating temperature | 50 Hz:-25 to +55°C (-13 to +131°F), 60 Hz:-25 to +35°C (-13 to +95°F) |
| Storage temperature | -40 to +70°C (-40 to +158°F) |
| Operating/Storage humidity | max. 75% RH (non-condensing) |
| Protection type/Protection class | IP54 / I (earthed) |