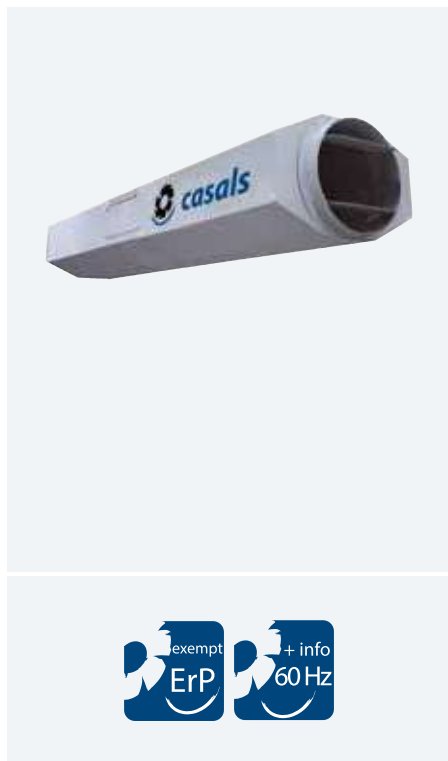


# JF

Jet fan

Ventilador de impulso (jet fan)



### MANUFACTURING FEATURES

JF models are composed of an axial fan and two silencers.

#### FAN:

- Axial fan with galvanised steel casing. Connection box accessible from the side by a removable door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, certified 400°C/2h. Standard voltages 230/400V 50Hz for single speed motors and 400V 50Hz for 2 speed motors.

#### SILENCERS:

- Casing made of galvanised steel. Inner duct made of perforated galvanised steel sheet.
- Silencers filled with mineral wool of high acoustic absorption properties, preventing most of the fan noise to be propagated.
- JF UN (unidirectional) is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs air away from the ceiling or other obstructions such as beams or ducts sweeping the entire volume of air to the nearest extraction point.
- JF RE (reversible) is equipped with protection guards on both sides.

### APPLICATIONS

- Conceived for car park and large spaces where polluted air or smoke from an accidental fire needs to be removed effectively.
- An optimized design minimizes the height needed for their installation and assures a silent operation.
- Maximum continuous working temperature: 60°C.

### CARACTERÍSTICAS CONSTRUCTIVAS

Los JF se componen de un ventilador axial y dos silenciadores.

#### VENTILADOR:

- Ventilador axial con revestimiento de acero galvanizado. La caja de conexiones es accesible lateralmente mediante una puerta extraíble.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, certificado 400°C/2h (disponible también en versión confort). Voltajes estándar 230/400V 50Hz para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

#### SILENCIADORES:

- Revestimiento de acero galvanizado. Tubo interior de chapa de acero galvanizado perforado.
- Tienen en su interior lana mineral con altas propiedades de absorción acústica que previene la propagación de la mayor parte del ruido del ventilador.
- JF UN (unidireccionales): equipados con rejilla de protección en la boca de aspiración y un deflector en la de salida. El deflector aleja el aire del techo u otros obstáculos como vigas o conductos barriendo todo el volumen de aire al punto de extracción más cercano.
- JF RE (reversibles): equipados con rejillas de protección en ambos lados.

### APLICACIONES

- Concebidos para aparcamientos de coches y espacios amplios donde se requiera eliminar de forma efectiva aire contaminado o humo de un fuego fortuito.
- Su diseño optimizado reduce la altura necesaria para su instalación y asegura un funcionamiento silencioso.
- Temperatura máxima de trabajo en continuo: 60°C.

## ACCESSORIES / accesorios



### INT

Interruptor de corte  
Safety switch



### INT 400

Interruptor selector de velocidad  
Speed selector switch



### SFC

Variador de velocidad frecuencial  
Frequency speed controller

## JF CONFORT

### THREE PHASE RANGE / serie trifásica

#### 2 POLE / 2 polos

| Code        | Model                | R.P.M. | Rated I (A) |      | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | Connection diagram |
|-------------|----------------------|--------|-------------|------|---------------|---------------|------------|-------------|-----------|--------------------|
|             |                      |        | 230V        | 400V |               |               |            |             |           |                    |
| 274300196ST | JF 300 T2 UN CONFORT | 2780   | 2,36        | 1,36 | 0,55          | 4.490         | 26         | 17,07       | 60        | 1                  |
| 274400196ST | JF 400 T2 UN CONFORT | 2860   | 4,14        | 2,39 | 1,1           | 8.460         | 52         | 18,42       | 70        | 1                  |

**THREE PHASE 2 SPEEDS RANGE** / serie trifásica de 2 velocidades**2/4 POLE** / 2/4 polos

| Code        | Model                   | R.P.M.    | Rated I (A)<br>400V | Rat. Power<br>kW | Air flow<br>m³/h | Thrust<br>(N) | Speed<br>(m/s) | Weight<br>Kg | Connection<br>diagram |
|-------------|-------------------------|-----------|---------------------|------------------|------------------|---------------|----------------|--------------|-----------------------|
| 274300296ST | JF 300 T2/T4 UN CONFORT | 2850/1430 | 1,47/0,45           | 0,55/0,12        | 4.490/2.245      | 26/13         | 17,07/8,54     | 60           | 2                     |
| 274400296ST | JF 400 T2/T4 UN CONFORT | 2850/1450 | 2,36/0,59           | 1,1/0,18         | 8.460/4.230      | 52/26         | 18,42/9,21     | 70           | 2                     |

**JF F300 300°C/2h****THREE PHASE RANGE** / serie trifásica**2 POLE** / 2 polos

| Code        | Model             | R.P.M. | Rated I (A) |      | Rat. Power<br>kW | Air flow<br>m³/h | Thrust<br>(N) | Speed<br>(m/s) | Weight<br>Kg | Connection<br>diagram |
|-------------|-------------------|--------|-------------|------|------------------|------------------|---------------|----------------|--------------|-----------------------|
|             |                   |        | 230V        | 400V |                  |                  |               |                |              |                       |
| 274300196F3 | JF 300 T2 UN F300 | 2780   | 2,36        | 1,36 | 0,55             | 4.490            | 26            | 17,07          | 60           | 1                     |
| 274301196F3 | JF 300 T2 RE F300 | 2780   | 2,36        | 1,36 | 0,55             | 4.360            | 24            | 16,58          | 60           | 1                     |
| 274400196F3 | JF 400 T2 UN F300 | 2860   | 4,14        | 2,39 | 1,10             | 8.460            | 52            | 18,42          | 70           | 1                     |
| 274401196F3 | JF 400 T2 RE F300 | 2860   | 4,14        | 2,39 | 1,10             | 8.160            | 48            | 17,77          | 70           | 1                     |

**THREE PHASE 2 SPEEDS RANGE** / serie trifásica de 2 velocidades**2/4 POLE** / 2/4 polos

| Code        | Model                | R.P.M.    | Rated I (A)<br>400V | Rat. Power<br>kW | Air flow<br>m³/h | Thrust<br>(N) | Speed<br>(m/s) | Weight<br>Kg | Connection<br>diagram |
|-------------|----------------------|-----------|---------------------|------------------|------------------|---------------|----------------|--------------|-----------------------|
| 274300296F3 | JF 300 T2/T4 UN F300 | 2850/1430 | 1,47/0,45           | 0,55/0,12        | 4.490/2.245      | 26/13         | 17,07/8,54     | 60           | 2                     |
| 274301296F3 | JF 300 T2/T4 RE F300 | 2850/1430 | 1,47/0,45           | 0,55/0,12        | 4.360/2.180      | 24/12         | 16,58/8,29     | 60           | 2                     |
| 274400296F3 | JF 400 T2/T4 UN F300 | 2850/1450 | 2,36/0,59           | 1,1/0,18         | 8.460/4.230      | 52/26         | 18,42/9,21     | 70           | 2                     |
| 274401296F3 | JF 400 T2/T4 RE F300 | 2850/1450 | 2,36/0,59           | 1,1/0,18         | 8.160/4.080      | 48/24         | 17,77/8,89     | 70           | 2                     |

**JF F400 400°C/2h****THREE PHASE RANGE** / serie trifásica**2 POLE** / 2 polos

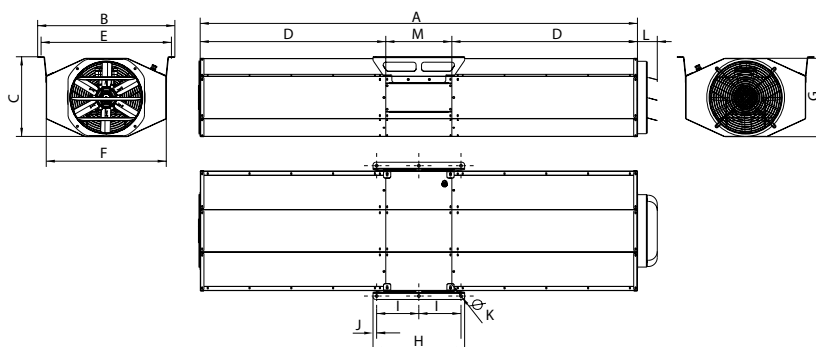
| Code      | Model             | R.P.M. | Rated I (A) |      | Rat. Power<br>kW | Air flow<br>m³/h | Thrust<br>(N) | Speed<br>(m/s) | Weight<br>Kg | Connection<br>diagram |
|-----------|-------------------|--------|-------------|------|------------------|------------------|---------------|----------------|--------------|-----------------------|
|           |                   |        | 230V        | 400V |                  |                  |               |                |              |                       |
| 274300196 | JF 300 T2 UN F400 | 2780   | 2,36        | 1,36 | 0,55             | 4.280            | 23            | 16,27          | 60           | 1                     |
| 274301196 | JF 300 T2 RE F400 | 2780   | 2,36        | 1,36 | 0,55             | 4.140            | 22            | 15,74          | 60           | 1                     |
| 274400196 | JF 400 T2 UN F400 | 2860   | 4,14        | 2,39 | 1,10             | 8.050            | 47            | 17,53          | 70           | 1                     |
| 274401196 | JF 400 T2 RE F400 | 2860   | 4,14        | 2,39 | 1,10             | 7.740            | 43            | 16,86          | 70           | 1                     |

**THREE PHASE 2 SPEEDS RANGE** / serie trifásica de 2 velocidades**2/4 POLE** / 2/4 polos

| Code      | Model                | R.P.M.    | Rated I (A)<br>400V | Rat. Power<br>kW | Air flow<br>m³/h | Thrust<br>(N) | Speed<br>(m/s) | Weight<br>Kg | Connection<br>diagram |
|-----------|----------------------|-----------|---------------------|------------------|------------------|---------------|----------------|--------------|-----------------------|
| 274300296 | JF 300 T2/T4 UN F400 | 2850/1430 | 1,47/0,45           | 0,55/0,12        | 4.280/2.140      | 23/11,5       | 16,27/8,14     | 60           | 2                     |
| 274301296 | JF 300 T2/T4 RE F400 | 2850/1430 | 1,47/0,45           | 0,55/0,12        | 4.140/2.070      | 22/11         | 15,74/7,87     | 60           | 2                     |
| 274400296 | JF 400 T2/T4 UN F400 | 2850/1450 | 2,36/0,59           | 1,1/0,18         | 8.050/4.025      | 47/23,5       | 17,53/8,77     | 70           | 2                     |
| 274401296 | JF 400 T2/T4 RE F400 | 2850/1450 | 2,36/0,59           | 1,1/0,18         | 7.740/3.870      | 43/21,5       | 16,86/8,43     | 70           | 2                     |



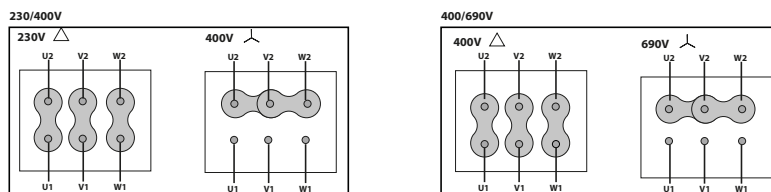
### DIMENSIONS / dimensiones



| Model  | A    | B   | C     | D    | E   | F   | G   | H   | I   | J  | L   | M   | ØK |
|--------|------|-----|-------|------|-----|-----|-----|-----|-----|----|-----|-----|----|
| JF 300 | 2415 | 590 | 340,5 | 1025 | 550 | 464 | 334 | 506 | 233 | 20 | 122 | 365 | 15 |
| JF 400 | 2415 | 758 | 440,5 | 1025 | 720 | 664 | 434 | 506 | 233 | 20 | 122 | 365 | 15 |

### CONNECTION DIAGRAMS / esquema de conexiones

#### 1 THREE PHASE MOTORS / motores trifásicos



#### 2 2 SPEEDS / 2 velocidades 400V DAHLANDER (Y,YY)

