



# CASED AXIAL JM AEROFOIL

## PRODUCT FACTS

- Air flow up to 20.9 m<sup>3</sup>/s
- Static pressures up to 1100 Pa
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection and terminal block IP55
- Larger sizes available please enquire for more information

## ELECTRICAL SUPPLY

220-240V/50Hz/1φ & 380-420V/50Hz/3φ

## TEMPERATURE RANGE

-40°C to 50°C as standard. 50°C to 70°C must be run at full speed only.

## SIZES

315, 355, 400, 450, 500, 560, 630, 710, 800, 900 & 1000 mm

## IMPELLERS

A unique high efficiency aerofoil section blade with a smoothed hub and clamp plate for adjustable pitch angle availability.

Woods impellers are all high pressure die cast to offer thin aerofoil sections for low generation of noise. Every cast aluminium component is X-ray examined using Real Time Radiography inspection prior to assembly. The maximum pitch angles shown allow for speed control by frequency inverter (3ph only).

## MOTORS

All motors are totally enclosed air stream rated class F insulation. Constructed from aluminium or cast iron as standard with special 'T' slot, or pad mounted fixings. Single speed motors are suitable for speed control by voltage regulation where indicated. Three phase motors are suitable for use with frequency inverters, suitable for turn down to 20% of maximum speed. Two speed motors are available on request. Suitable for horizontal or vertical shaft operation. Supplied IP55, with removable drain plugs.

Sealed for life bearings lubricated with wide temperature range grease. The BT and CT frames are fitted with overheat protection thermostat as standard. 80-160 frame motors are fitted with Thermistor OHP. These motors are suitable for inverter/speed control down to 20% of full speed and where within scope incorporate IE2 compliant motors.



## CASING

JM Aerofoil fans are available in either a long cased form, complete with an externally mounted pre-wired electrical terminal box, or short cased for duct or plate installation. Casings are spun from sheet steel with integral pre-drilled and radiused inlet flanges. The galvanised finish gives a high resistance to corrosion and is ideal for external as well as internal use.

## PRODUCT CODE

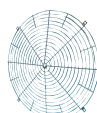
63JM/20/4/6/36

- 63 - denotes the fan impeller diameter in centimetres
- JM - denotes fan type
- 20 - denotes impeller hub diameter in centimetres
- 4 - denotes a nominal 4 pole speed
- 6 - denotes the number of blades
- 36 - denotes the pitch angle for the required duty

## ACCESSORIES (Pages 230-237) - CONTROLLERS (Pages 249-297)



Damper



Guard



Bellmouth



Flange



Mounting Feet



Rubber AV's



Acoustic Jacket



Flexible Connector



Silencer



Controls Transformer



Controls Electronic

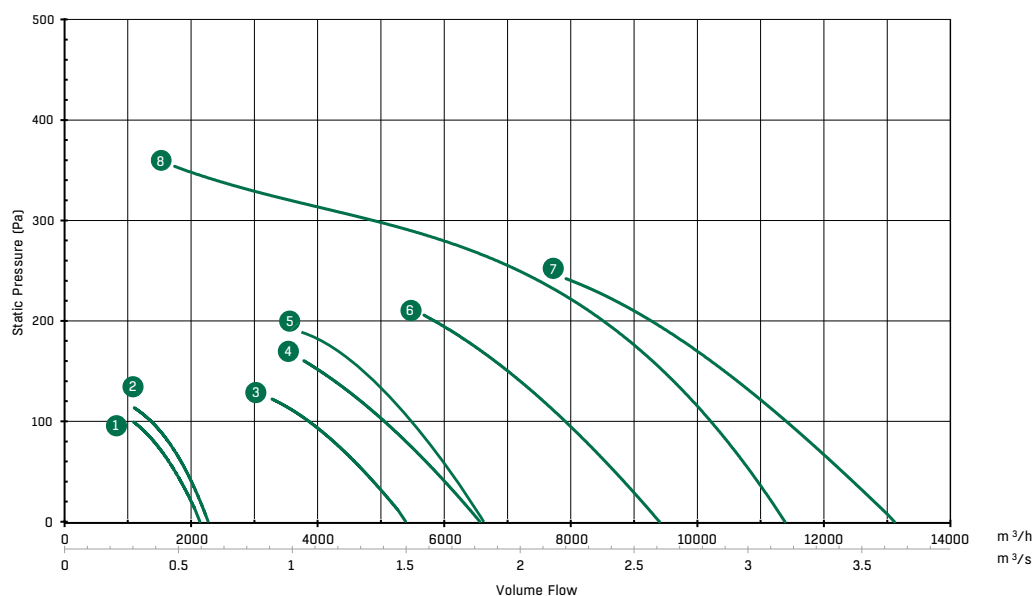


Controls Inverter

## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

220-240V/50HZ/1 $\phi$  - L TYPE

### PERFORMANCE CHART - 315-630MM



### PERFORMANCE TABLE - 315-630MM

| Ref | Ref            | m³/s @ Pa (Static) |      |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  | 200  | 250  | 300  |
| 1   | 31JM/16/4/5/34 | 0.59               | 0.48 |      |      |      |      |      |
| 2   | 35JM/16/4/5/22 | 0.63               | 0.53 | 0.37 |      |      |      |      |
| 3   | 40JM/16/4/5/40 | 1.5                | 1.31 | 1.07 |      |      |      |      |
| 4   | 45JM/16/4/5/30 | 1.82               | 1.62 | 1.4  | 1.12 |      |      |      |
| 5   | 50JM/20/4/6/20 | 1.84               | 1.68 | 1.52 | 1.3  |      |      |      |
| 6   | 50JM/20/4/6/32 | 2.61               | 2.41 | 2.19 | 1.94 | 1.62 |      |      |
| 7   | 56JM/20/4/6/30 | 3.64               | 3.41 | 3.16 | 2.89 | 2.57 |      |      |
| 8   | 63JM/20/4/6/16 | 3.17               | 3.01 | 2.82 | 2.61 | 2.38 | 1.99 | 1.33 |

### PRODUCT AND ELECTRICAL DETAILS - 315-630MM

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |
|-----|----------------|----------------|-----------------|-----|---------------|-------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|
|     |                |                | Min             | Max |               |       |             |                       |                      |                     | Electronic       | Transformer |
| 1   | 31JM/16/4/5/34 | EJ321460       | 28              | 34  | 1420          | BT5   | 0.075       | 0.5                   | 1.45                 | CD3038              | ME1.1            | TEID 1      |
| 2   | 35JM/16/4/5/22 | EJ361460       | 18              | 22  | 1420          | BT5   | 0.075       | 0.5                   | 1.45                 | CD3038              | ME1.1            | TEID 1      |
| 3   | 40JM/16/4/5/40 | EJ411452       | 34              | 40  | 1420          | BT9   | 0.25        | 1.6                   | 3.45                 | CD3038              | ME1.3            | TEID 2.2    |
| 4   | 45JM/16/4/5/30 | EJ461466       | 24              | 30  | 1420          | BT9   | 0.32        | 2.2                   | 5                    | CD3038              | ME1.3            | TEID 2.2    |
| 5   | 50JM/20/4/6/20 | DX511455       | 16              | 20  | 1420          | BT9   | 0.32        | 2.2                   | 5                    | CD3038              | ME1.3            | TEID 2.2    |
| 6   | 50JM/20/4/6/32 | EJ511466       | 32              | 32  | 1420          | CT9   | 0.68        | 4.8                   | 11                   | CD3038              | ME1.6            | TEID 5      |
| 7   | 56JM/20/4/6/30 | DX571459       | 26              | 30  | 1420          | CT9   | 0.97        | 6.9                   | 13.5                 | CD3037              | ME1.6            | TEID 7.5A   |
| 8   | 63JM/20/4/6/16 | DX641453       | 14              | 16  | 1420          | CT9   | 0.97        | 6.9                   | 13.5                 | CD3037              | ME1.6            | TEID 7.5A   |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. For speed controllers please see pages 219-267.

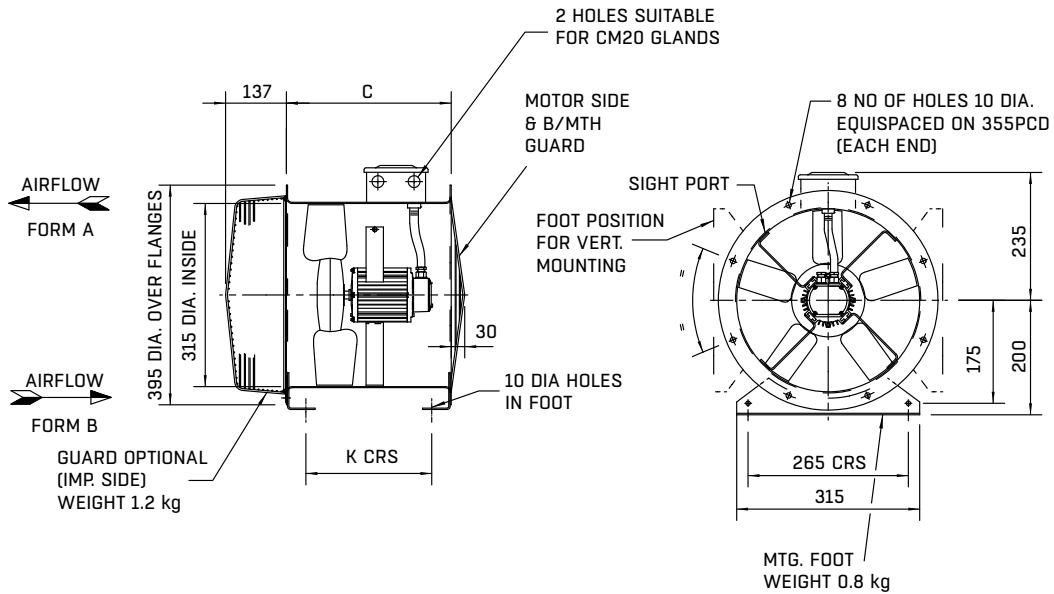
Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.





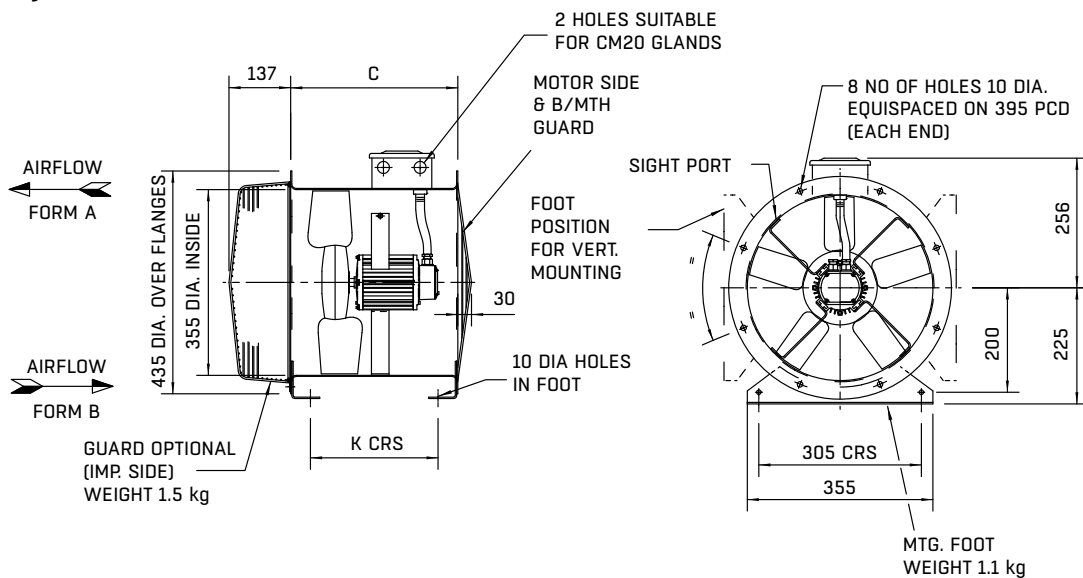
## DRAWINGS - 315-355 MM

### 315 MM (EJ321460)



| Size | Motor Frame | C   | K   | Weight kg Fan |
|------|-------------|-----|-----|---------------|
| 315  | BT5         | 330 | 245 | 21            |

### 355 MM (EJ361460)

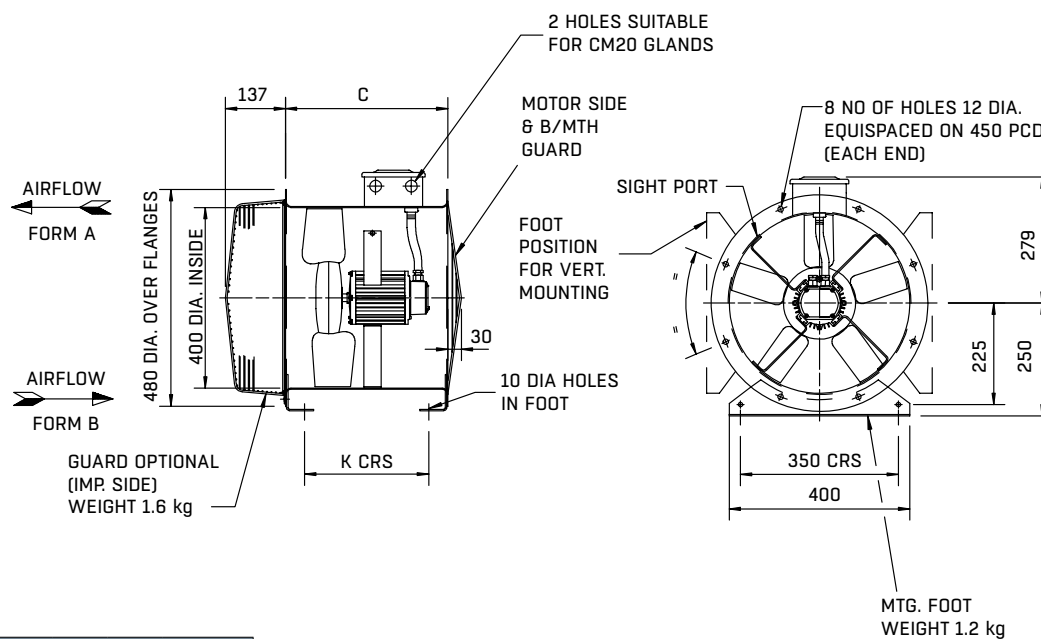


| Size | Motor Frame | C   | K   | Weight kg Fan |
|------|-------------|-----|-----|---------------|
| 355  | BT5         | 330 | 245 | 22            |

All dimensions in mm.

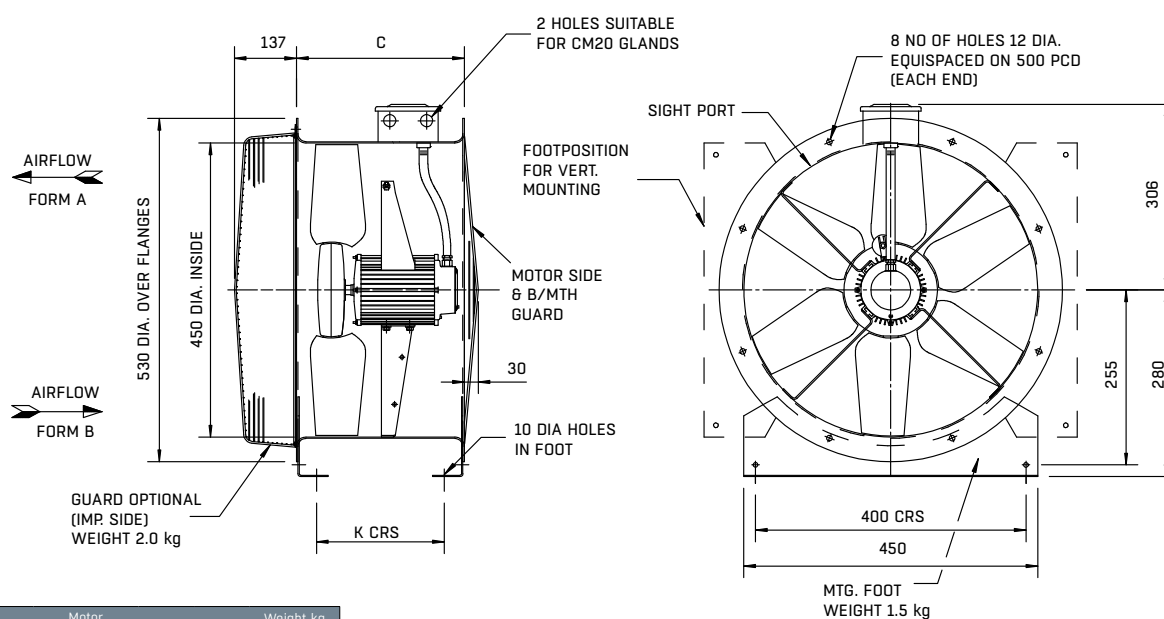
## DRAWINGS - 400-450 MM

### 400 MM (EJ411452)



| Size | Motor Frame | C   | K   | Weight kg Fan |
|------|-------------|-----|-----|---------------|
| 400  | BT9         | 375 | 290 | 25            |

### 450 MM (EJ461466)



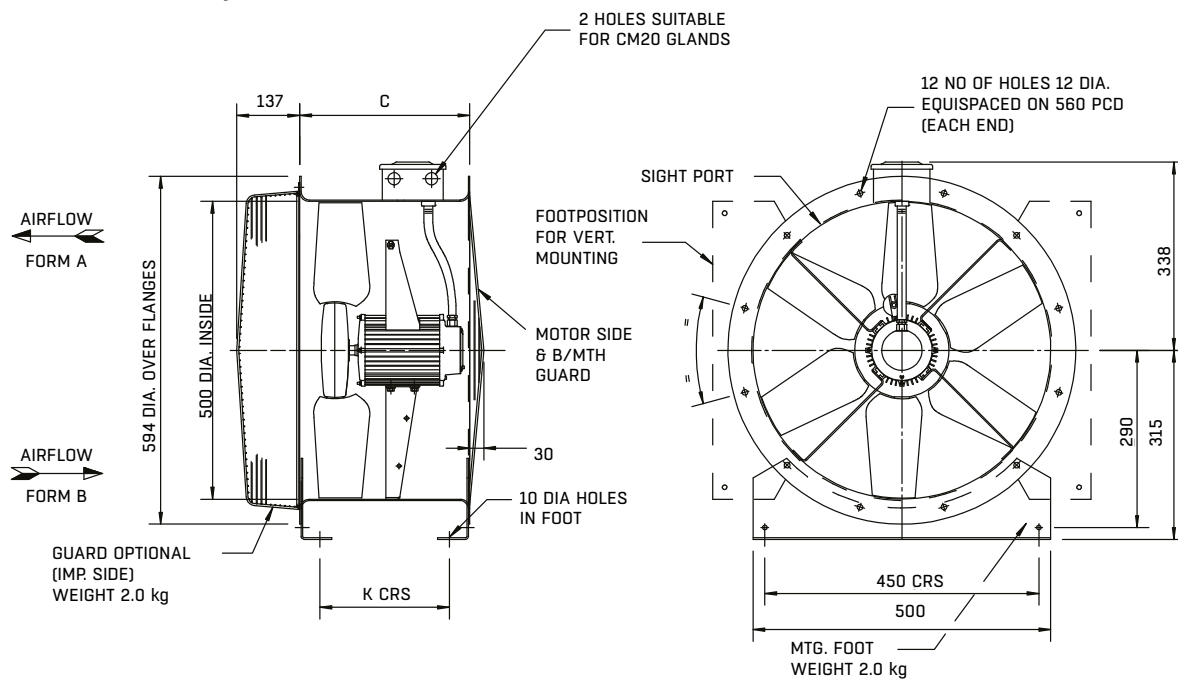
| Size | Motor Frame | C   | K   | Weight kg Fan |
|------|-------------|-----|-----|---------------|
| 450  | BT9         | 330 | 245 | 26            |

All dimensions in mm.



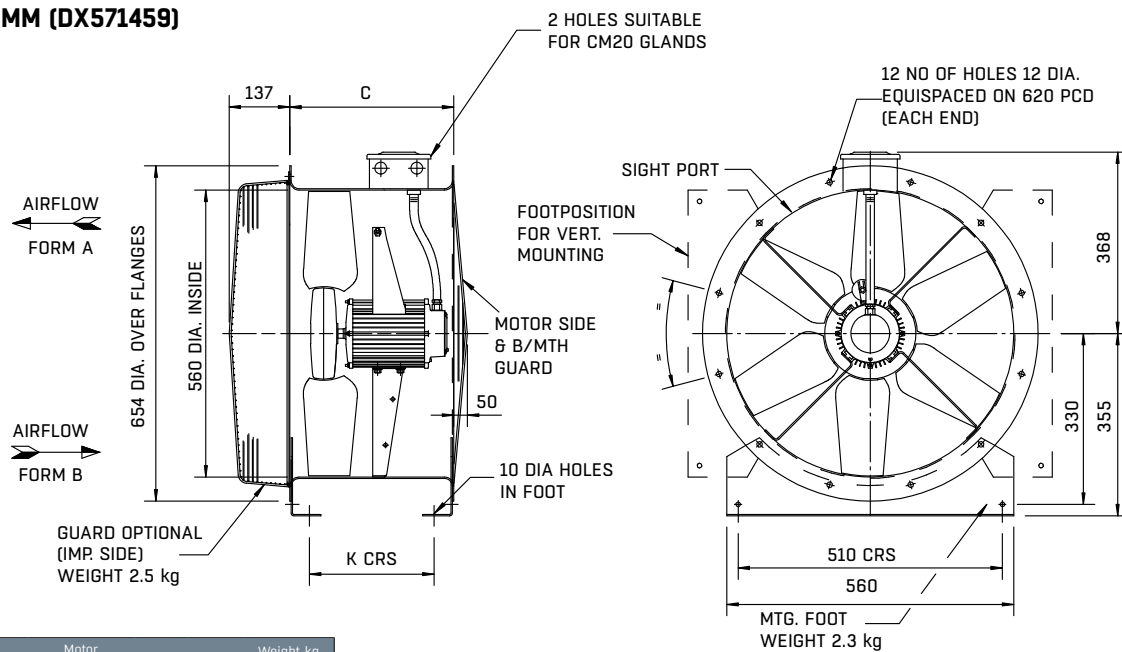
## DRAWINGS - 500-560 MM

### 500 MM (DX511455 & EJ511466)



| Part Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|-------------|------|-------------|-----|-----|---------------|
| DX511455    | 500  | BT9         | 375 | 290 | 34            |
| EJ511466    | 500  | CT9         | 330 | 245 | 34            |

### 560 MM (DX571459)

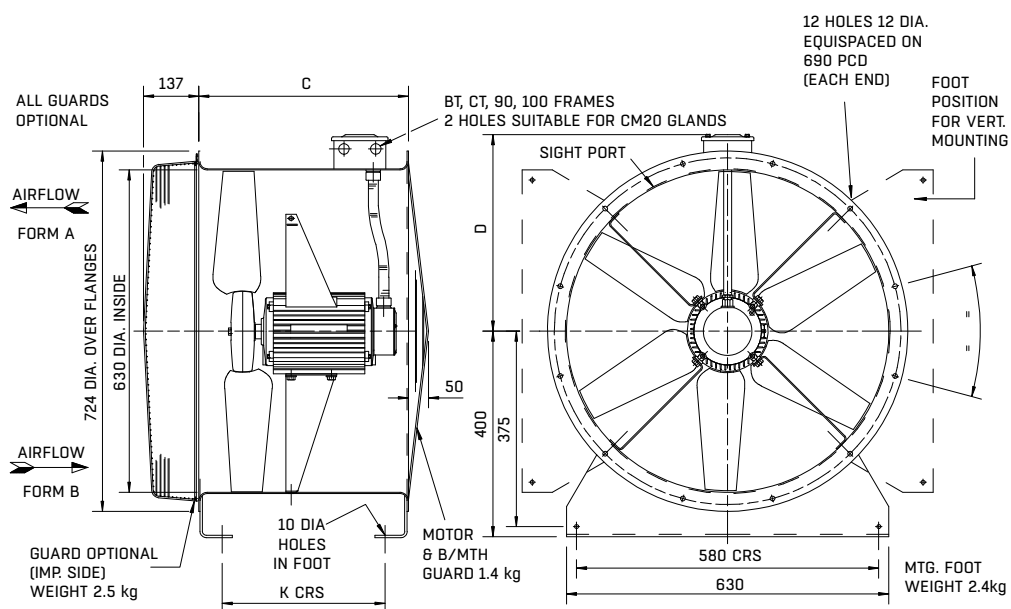


| Size | Motor Frame | C   | K   | Weight kg Fan |
|------|-------------|-----|-----|---------------|
| 560  | CT9         | 375 | 290 | 38            |

All dimensions in mm.

## DRAWING - 630 MM

### 630 MM (DX641453)



| Size | Motor Frame | C   | D   | K   | Weight kg Fan |
|------|-------------|-----|-----|-----|---------------|
| 630  | CT9         | 375 | 403 | 290 | 52            |

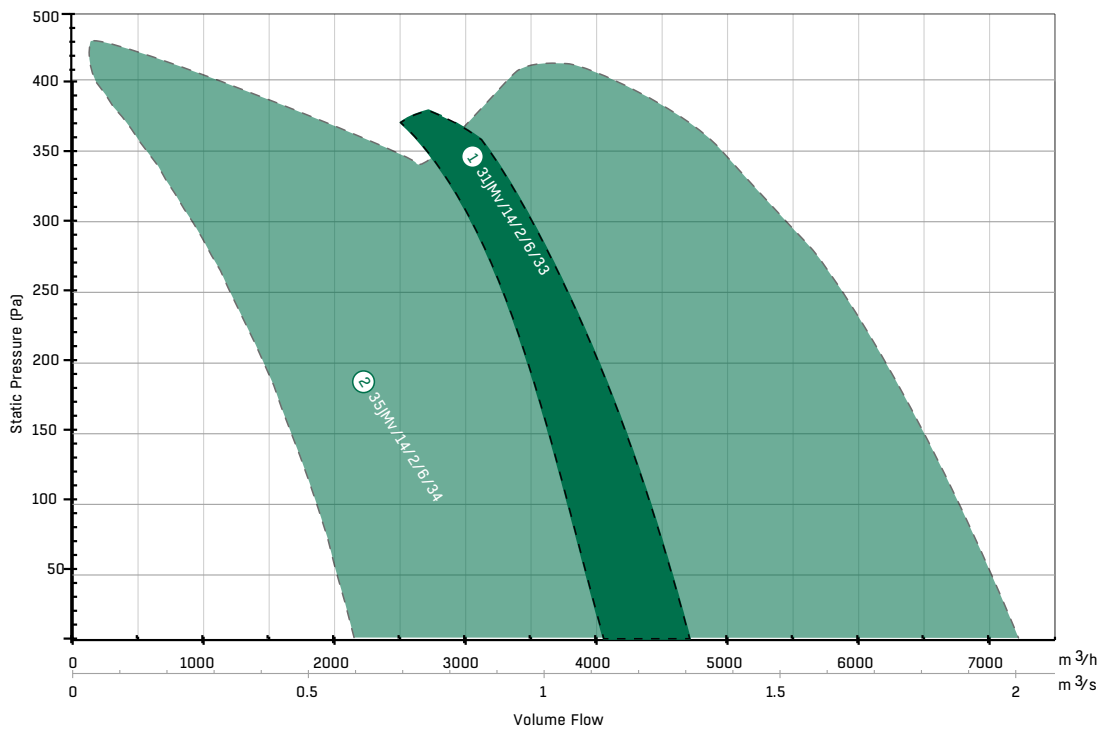
All dimensions in mm.



## JMv AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

PERFORMANCE CHART - 315-355MM, 2 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 315-355 MM, 2 POLE

| Ref | Product Code    | m³/s @ Pa (Static) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|-----------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|     |                 | 0                  | 25   | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375  | 400  |
| 1   | 31JMV/14/2/6/33 | 1.26               | 1.24 | 1.22 | 1.2  | 1.17 | 1.14 | 1.12 | 1.09 | 1.06 | 1.03 | 0.99 | 0.96 | 0.92 |      |      |      |      |
| 2   | 35JMV/14/2/6/34 | 1.88               | 1.85 | 1.82 | 1.79 | 1.75 | 1.72 | 1.68 | 1.65 | 1.61 | 1.57 | 1.53 | 1.49 | 1.45 | 1.41 | 1.36 | 1.32 | 1.27 |

### PRODUCT AND ELECTRICAL DETAILS - 315-355 MM, 2 POLE

| Ref | Product Code    | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|-----------------|----------------|-----------------|-----|---------------|-------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                 |                | Min             | Max |               |       |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 31JMv/14/2/6/33 | JV346202       | 25              | 33  | 2760          | BT9   | 0.58        | 1.45                  | 5.7                  | CD3020              | N/A              | N/A         | IDDXF54 2.2 | 63           |
| 2   | 35JMv/14/2/6/34 | JV386201       | 31              | 34  | 2760          | 80    | 1.32        | 2.79                  | 14.5                 | CD3020              | N/A              | N/A         | IDDXF54 3.7 | 65           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 219-267.

Non stocked JM Aerofoil are available in 10 working weeks, based on the parts availability. If a reduced lead time is required please contact the office.

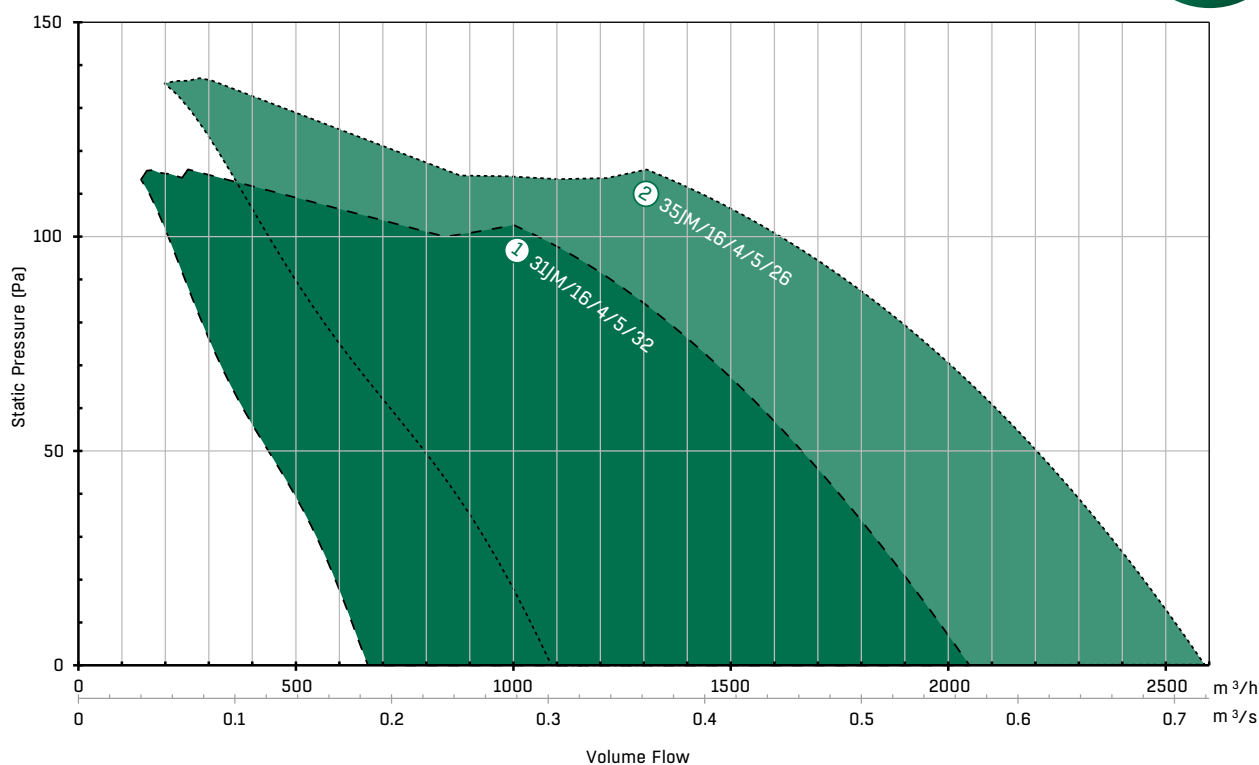
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## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

PERFORMANCE CHART - 315-355 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 315-355 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |
|-----|----------------|--------------------|------|------|
|     |                | 0                  | 50   | 100  |
| 1   | 31JM/16/4/5/32 | 0.56               | 0.46 | 0.29 |
| 2   | 35JM/16/4/5/26 | 0.71               | 0.61 | 0.44 |

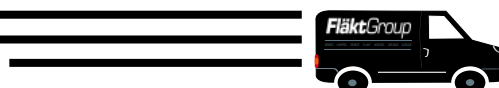
### PRODUCT AND ELECTRICAL DETAILS - 315-355 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor     | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|-----------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                |                | Min             | Max |               |           |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 31JM/16/4/5/32 | EJ341460       | 8               | 32  | 1420          | BT4 (IE1) | 0.087       | 0.35                  | 1.12                 | CD2416              | N/A              | TDID 2.5A   | IDDXF54-2.2 | 42           |
| 2   | 35JM/16/4/5/26 | EJ381460       | 8               | 26  | 1420          | BT4 (IE1) | 0.1         | 0.36                  | 1                    | CD2416              | N/A              | TDID 2.5A   | IDDXF54-2.2 | 43           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

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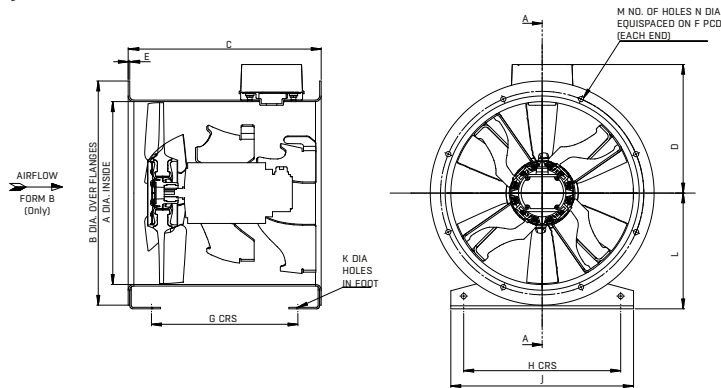






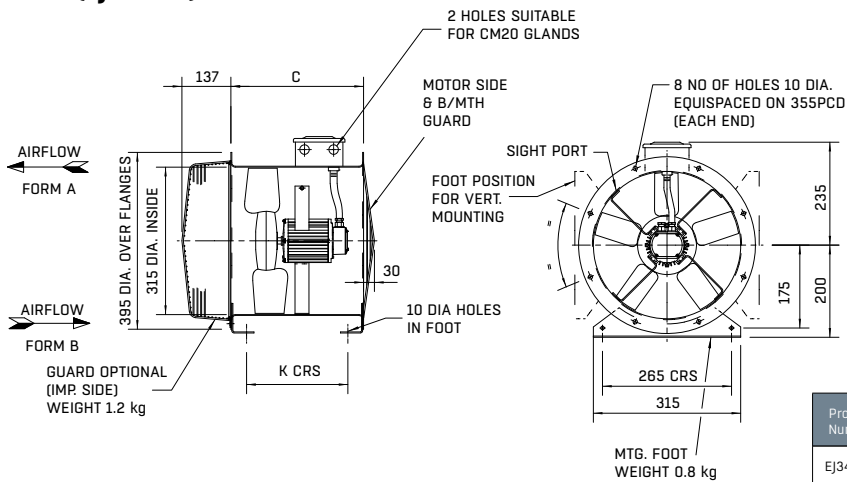
## DRAWINGS - 315-355 MM

### 315 MM (JV346202)



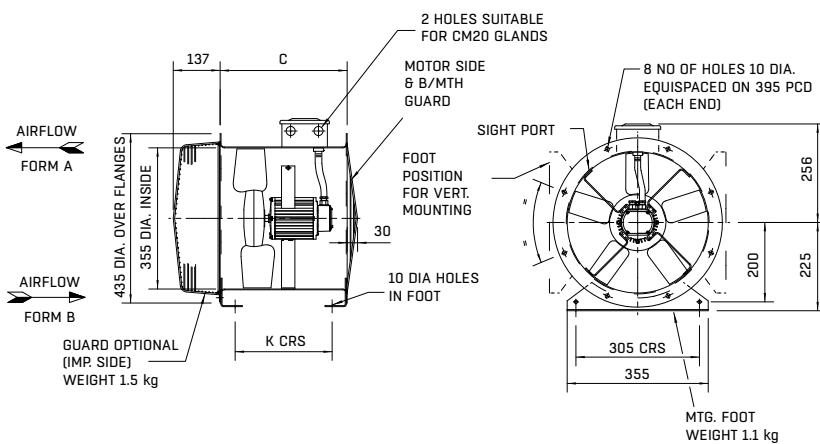
| Product Number | Size | Motor frame | A   | B   | C   | D     | E | F   | G   | H   | J   | K  | L   | M | N  | Weight kg Fan |
|----------------|------|-------------|-----|-----|-----|-------|---|-----|-----|-----|-----|----|-----|---|----|---------------|
| JV346202       | 315  | BT4         | 315 | 395 | 375 | 229.5 | 3 | 355 | 285 | 265 | 315 | 10 | 200 | 8 | 10 | 23            |

### 315 MM (EJ341460)



| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EJ341460       | 315  | BT4         | 330 | 245 | 22            |

### 355 MM (EJ381460)



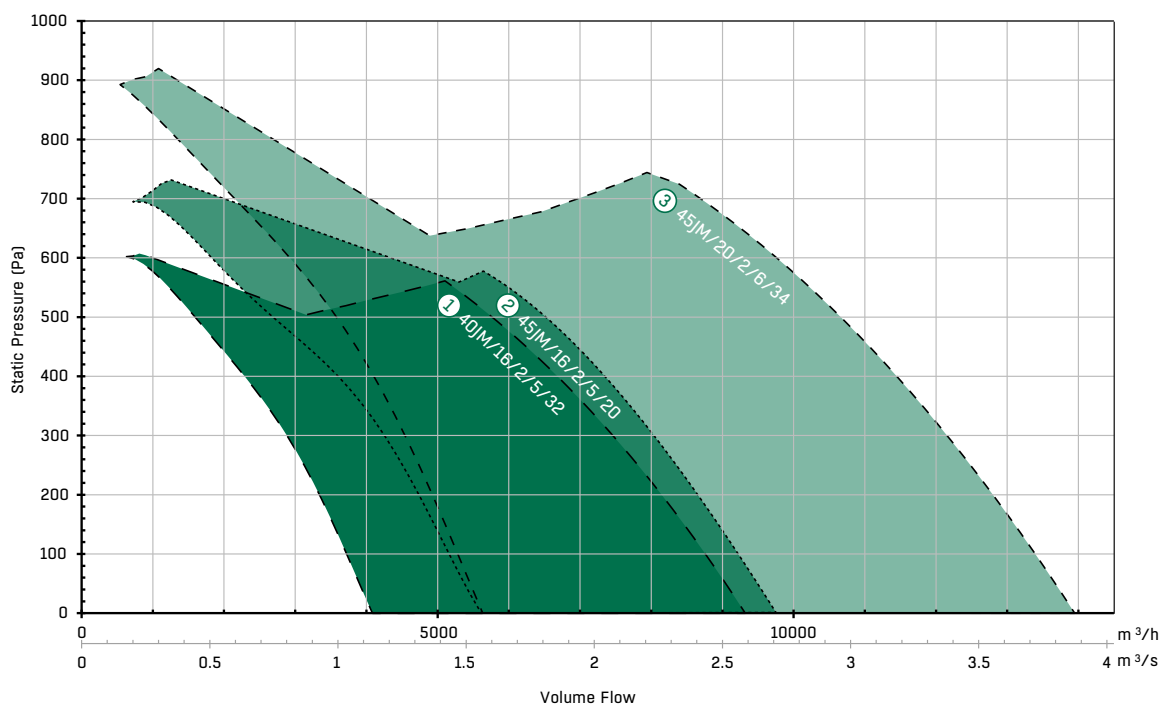
| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EJ381460       | 355  | BT9         | 330 | 245 | 34            |

All dimensions in mm.

## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 400-450 MM, 2 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 400-450 MM, 2 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |      |      |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|------|------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  | 200  | 250  | 300  | 400  | 500  | 600  | 700  |
| 1   | 40JM/16/2/5/32 | 2.58               | 2.51 | 2.43 | 2.35 | 2.26 | 2.17 | 2.07 | 1.85 | 1.6  |      |      |
| 3   | 45JM/16/2/5/20 | 2.7                | 2.63 | 2.56 | 2.48 | 2.4  | 2.32 | 2.23 | 2.04 | 1.81 |      |      |
| 2   | 45JM/20/2/6/34 | 3.87               | 3.79 | 3.72 | 3.63 | 3.55 | 3.46 | 3.37 | 3.18 | 2.96 | 2.71 | 2.41 |

### PRODUCT AND ELECTRICAL DETAILS - 400-450 MM, 2 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 40JM/16/2/5/32 | EJ431273       | 10              | 32  | 2840          | 80 (IE2)   | 1.73        | 3.59                  | 18.3                 | CD2416              | N/A              | N/A         | IDDXF54-3.7 | 61           |
| 2   | 45JM/16/2/5/20 | EE481272       | 8               | 20  | 2840          | 80 (IE2)   | 1.73        | 3.59                  | 18.3                 | CD2416              | N/A              | N/A         | IDDXF54-3.7 | 66           |
| 3   | 45JM/20/2/6/34 | EJ481275       | 10              | 34  | 2910          | 100L (IE2) | 3.6         | 7.1                   | 45.44                | CD2416              | N/A              | N/A         | IDDXF54-7.2 | 72           |

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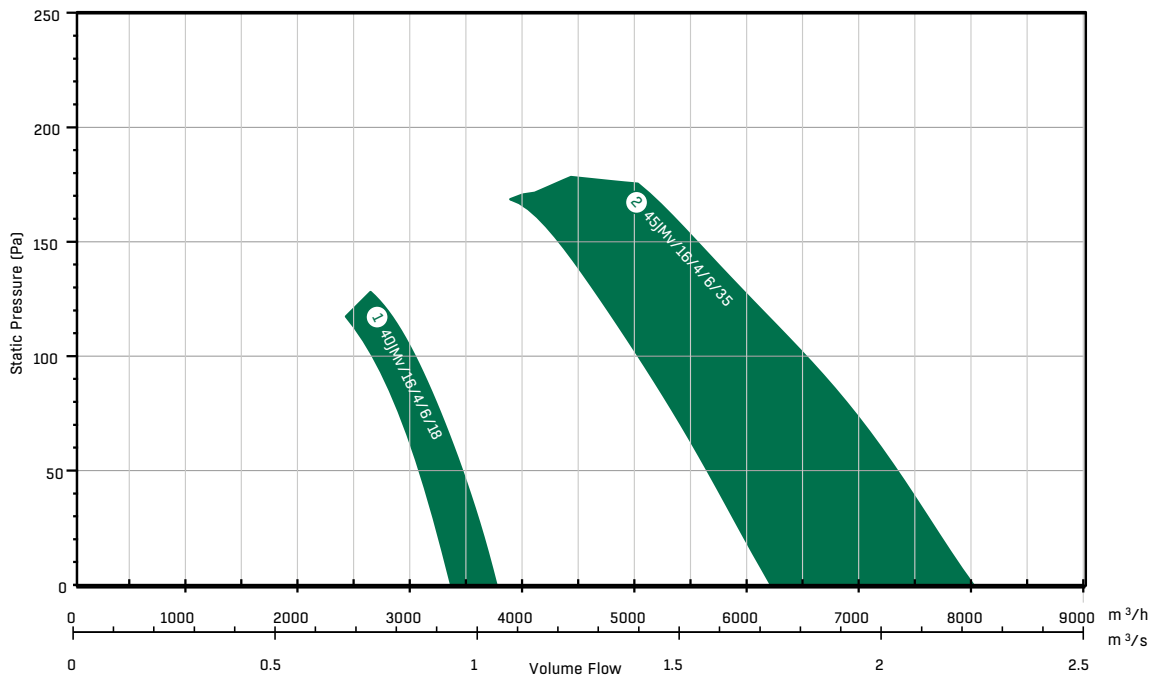




## JMv AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 400-450 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 400-450 MM, 4 POLE

| Ref | Product Code    | m³/s @ Pa (Static) |      |      |      |
|-----|-----------------|--------------------|------|------|------|
|     |                 | 0                  | 50   | 100  | 150  |
| 1   | 40JMv/16/4/6/18 | 0.99               | 0.90 | 0.78 |      |
| 2   | 45JMv/16/4/6/35 | 2.20               | 2.00 | 1.77 | 1.50 |

### PRODUCT AND ELECTRICAL DETAILS - 400-450 MM, 4 POLE

| Ref | Product Code    | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|-----------------|----------------|-----------------|-----|---------------|-------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                 |                | Min             | Max |               |       |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 40JMv/16/4/6/18 | JV436452       | 14              | 18  | 1400          | 80    | 0.14        | 0.40                  | 2.00                 | CD3020              | N/A              | N/A         | IDDXF54-2.2 | 51           |
| 2   | 45JMv/16/4/6/35 | JV486460       | 23              | 35  | 1400          | 80    | 0.66        | 1.49                  | 7.37                 | CD3020              | N/A              | N/A         | IDDXF54-2.2 | 57           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

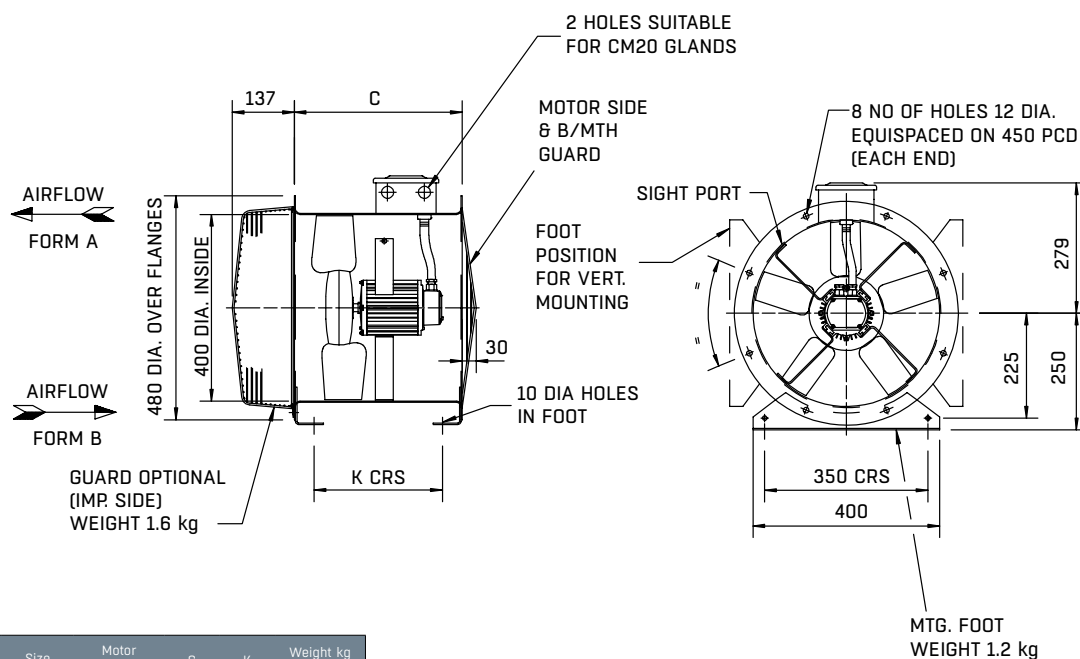
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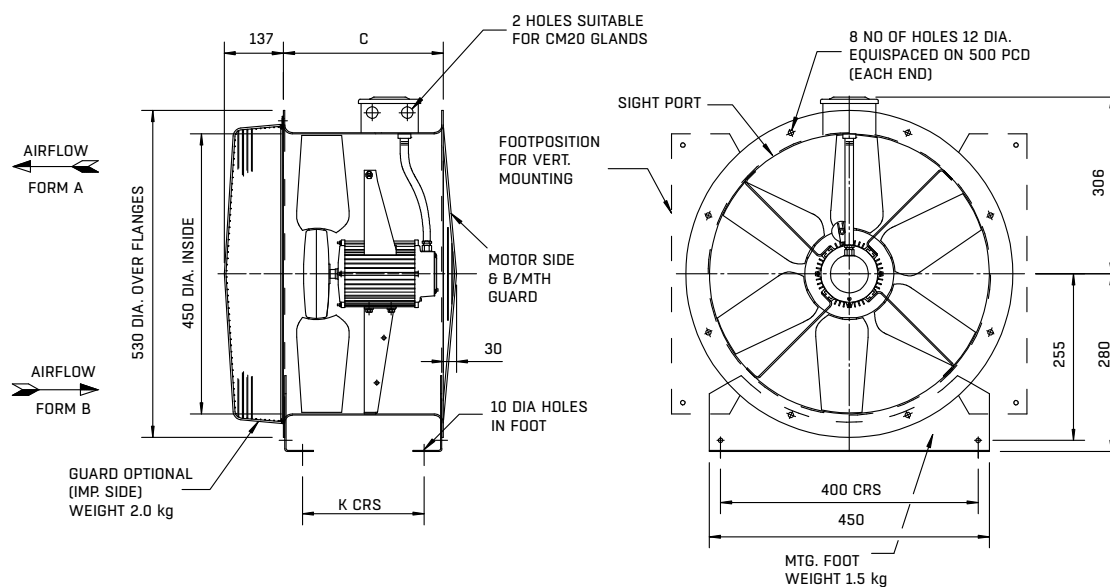
## DRAWINGS - 400-450 MM 2 POLE

### 400 MM (EJ431273)



| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EJ431273       | 400  | 80          | 375 | 290 | 35            |

### 450 MM (EE481272 & EJ481275)

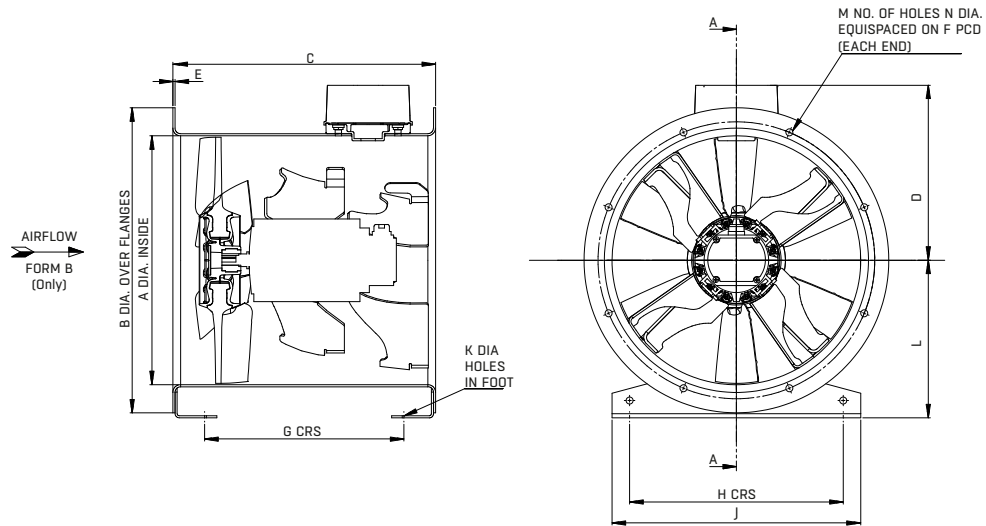


| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EE481272       | 450  | 80          | 375 | 290 | 37            |
| EJ481275       | 450  | 100L        | 520 | 434 | 60            |

All dimensions in mm.

## DRAWINGS - 400-450 MM 4 POLE

### 400 MM (JV436452 & JV486460)



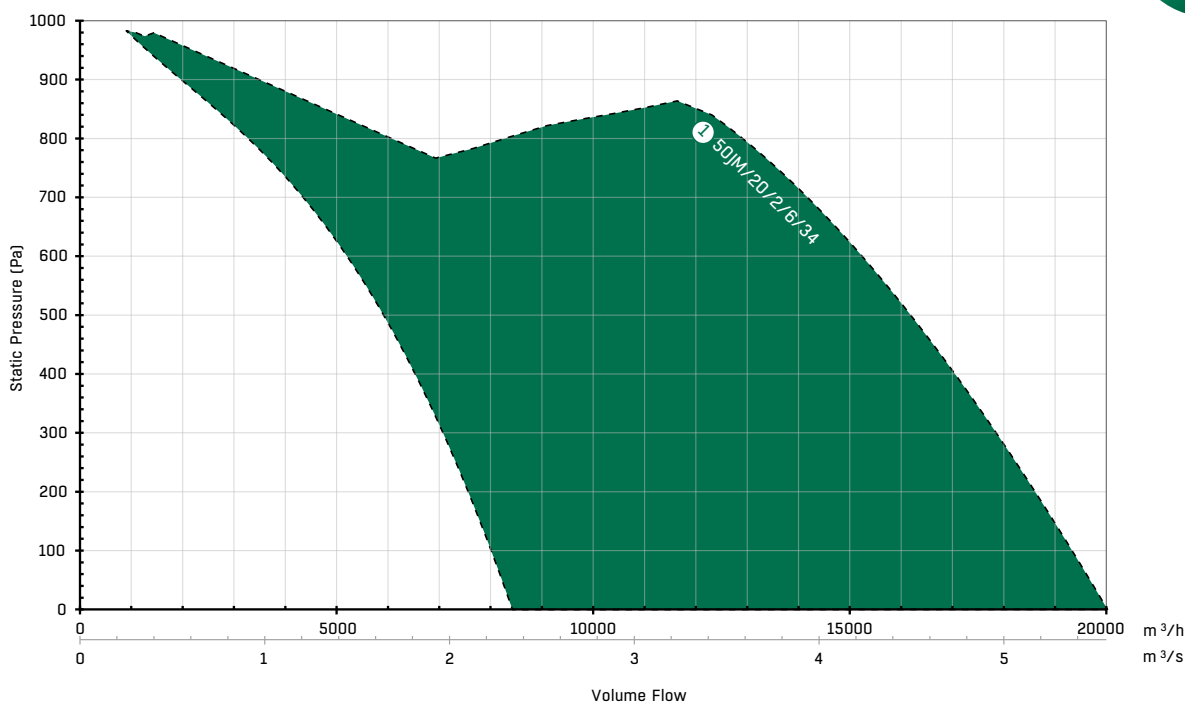
| Product Number | Size | Motor frame | A   | B   | C   | D   | E | F   | G   | H   | J   | K  | L   | M | N  | Weight kg Fan |
|----------------|------|-------------|-----|-----|-----|-----|---|-----|-----|-----|-----|----|-----|---|----|---------------|
| JV436452       | 400  | 80          | 400 | 480 | 375 | 272 | 3 | 450 | 285 | 350 | 400 | 10 | 250 | 8 | 10 | 35            |
| JV486460       | 450  | 80          | 450 | 530 | 375 | 297 | 3 | 500 | 275 | 400 | 450 | 10 | 280 | 8 | 12 | 36            |

All dimensions in mm.

## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 500 MM, 2 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 500 MM, 2 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |      |      |      |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  | 200  | 250  | 300  | 400  | 500  | 600  | 700  | 800  |
| 1   | 50JM/20/2/6/34 | 5.56               | 5.46 | 5.36 | 5.27 | 5.16 | 5.06 | 4.95 | 4.73 | 4.49 | 4.23 | 3.93 | 3.58 |

### PRODUCT AND ELECTRICAL DETAILS - 500 MM, 2 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |            | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter   |              |
| 1   | 50JM/20/2/6/34 | EJ531274       | 10              | 34  | 2910          | 112M (IE2) | 6.2         | 11.7                  | 77.2                 | CD2417              | N/A              | N/A         | IDDXF54-12 | 75           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

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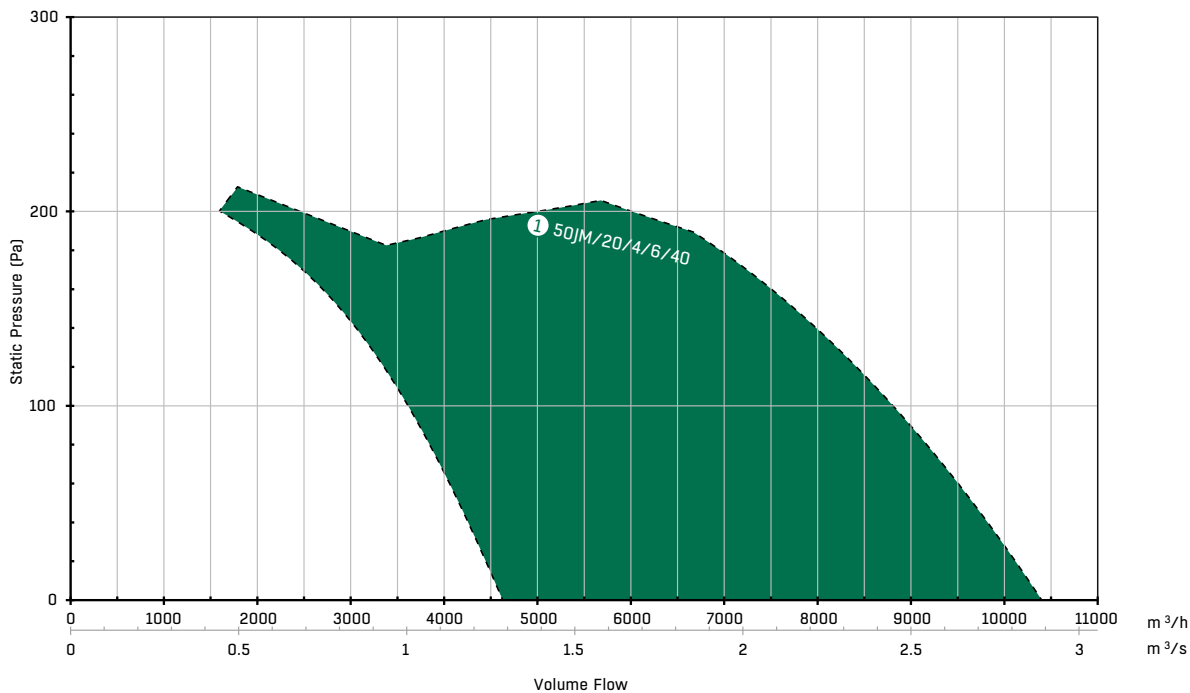




## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

PERFORMANCE CHART - 500 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 500 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |
|-----|----------------|--------------------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  |
| 1   | 50JM/20/4/6/40 | 2.96               | 2.76 | 2.52 | 2.21 |

### PRODUCT AND ELECTRICAL DETAILS - 500 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor    | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|----------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                |                | Min             | Max |               |          |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 50JM/20/4/6/40 | EJ531478       | 12              | 40  | 1420          | 80 (IE2) | 0.9         | 1.92                  | 9.79                 | CD2416              | N/A              | N/A         | IDDXF54-2.2 | 59           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

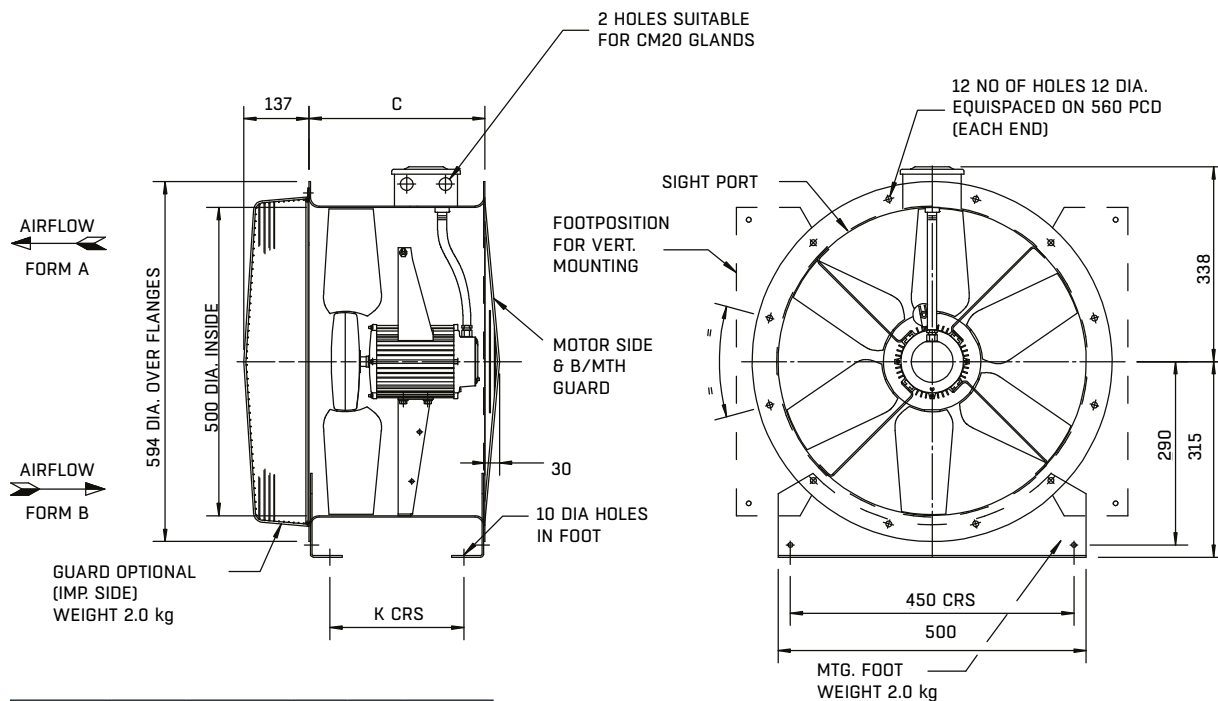
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## DRAWINGS - 500 MM

### 500 MM (EJ531274 & EJ531478)



| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EJ531274       | 500  | 80          | 375 | 290 | 39            |
| EJ531478       | 500  | 112M        | 520 | 434 | 76            |

All dimensions in mm.

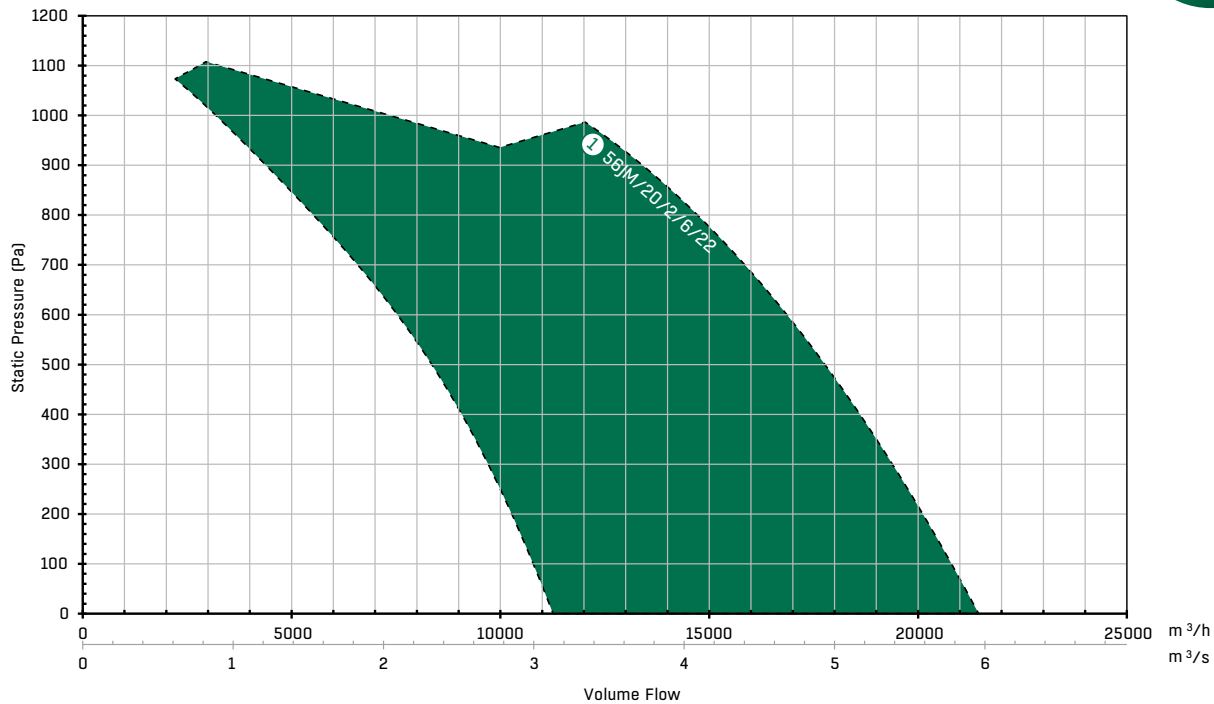




## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 560 MM, 2 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 560 MM, 2 POLE

| Ref | Product Code   | m <sup>3</sup> /s @ Pa (Static) |      |      |      |      |      |      |      |      |      |     |      |      |
|-----|----------------|---------------------------------|------|------|------|------|------|------|------|------|------|-----|------|------|
|     |                | 0                               | 50   | 100  | 150  | 200  | 250  | 300  | 400  | 500  | 600  | 700 | 800  | 900  |
| 1   | 56JM/20/2/6/22 | 5.95                            | 5.86 | 5.77 | 5.68 | 5.58 | 5.48 | 5.38 | 5.16 | 4.93 | 4.68 | 4.4 | 4.08 | 3.72 |

### PRODUCT AND ELECTRICAL DETAILS - 560 MM, 2 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |            | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter   |              |
| 1   | 56JM/20/2/6/22 | EE591271       | 8               | 22  | 2910          | 112M (IE2) | 6.2         | 11.7                  | 77.2                 | CD2417              | N/A              | N/A         | IDDXF54-12 | 72           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

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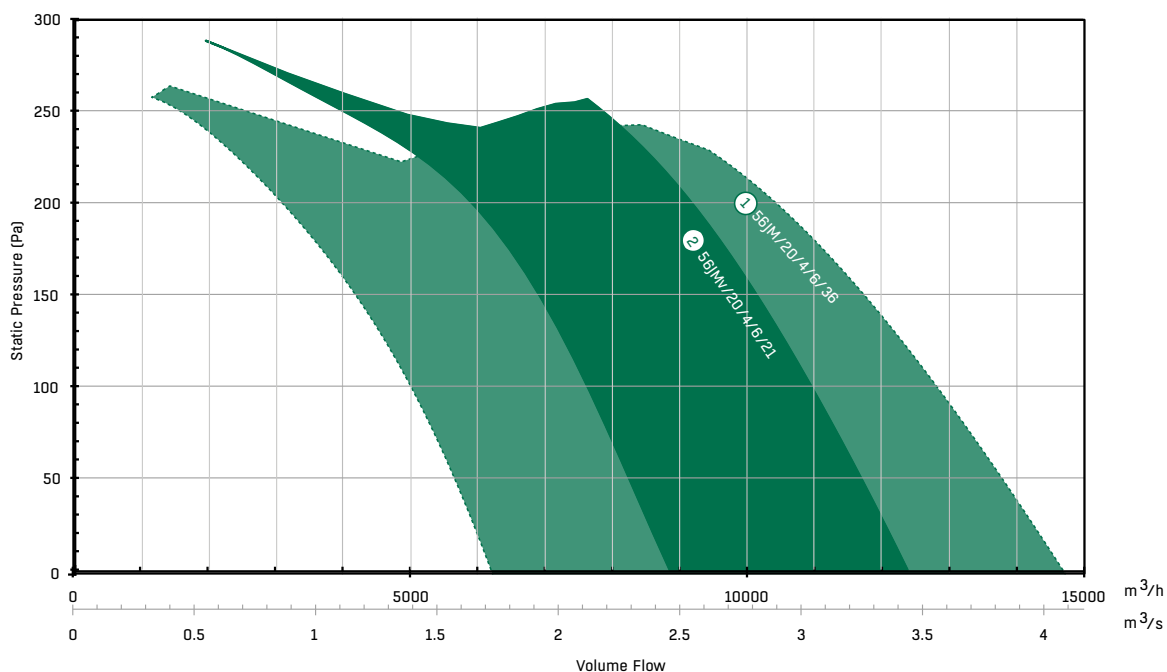
Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.



## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

PERFORMANCE CHART - 560 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 560 MM, 4 POLE

| Ref | Product Code    | m <sup>3</sup> /s @ Pa (Static) |      |      |      |      |      |
|-----|-----------------|---------------------------------|------|------|------|------|------|
|     |                 | 0                               | 50   | 100  | 150  | 200  | 250  |
| 1   | 56JM/20/4/6/36  | 4.08                            | 3.83 | 3.56 | 3.26 | 2.9  |      |
| 2   | 56JMv/20/4/6/21 | 3.44                            | 3.24 | 3.03 | 2.8  | 2.52 | 2.15 |

### PRODUCT AND ELECTRICAL DETAILS - 560 MM, 4 POLE

| Ref | Product Code    | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor     | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|-----------------|----------------|-----------------|-----|---------------|-----------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                 |                | Min             | Max |               |           |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 56JM/20/4/6/36  | EJ591478       | 10              | 36  | 1420          | 90S (IE2) | 1.32        | 2.84                  | 15.6                 | CD2416              | N/A              | N/A         | IDDXF54-3.7 | 62           |
| 2   | 56JMv/20/4/6/21 | JV596458       | 10              | 21  | 1400          | CT9       | 1.15        | 3.2                   | 11                   | CD3020              | N/A              | T01D 4A     | IDDXF54-3.7 | 60           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

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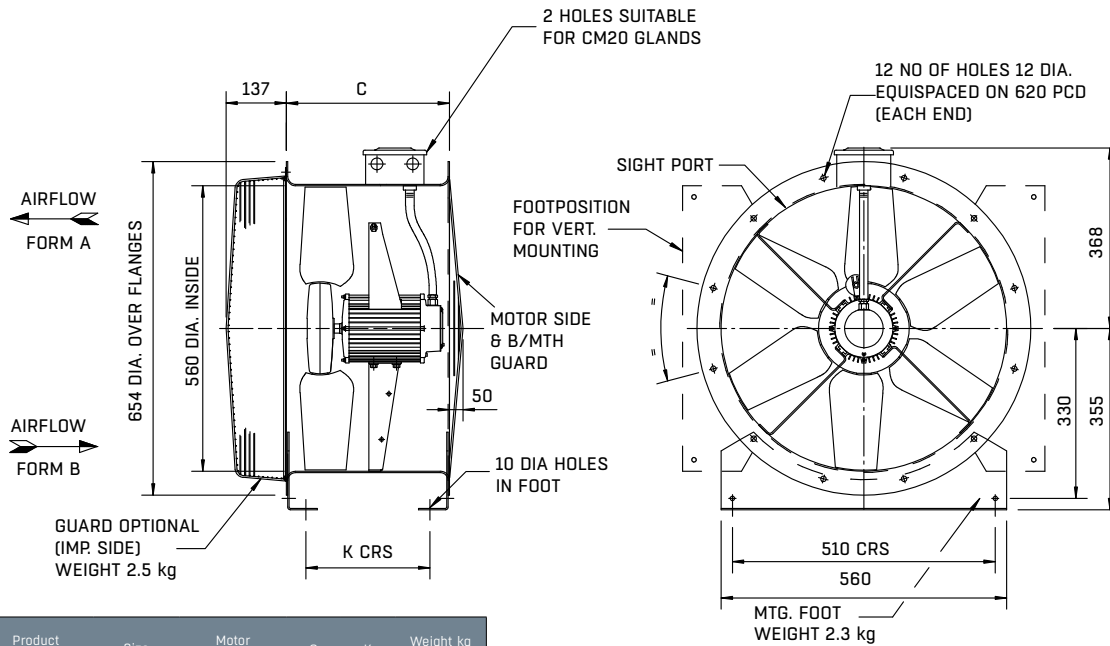
Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.





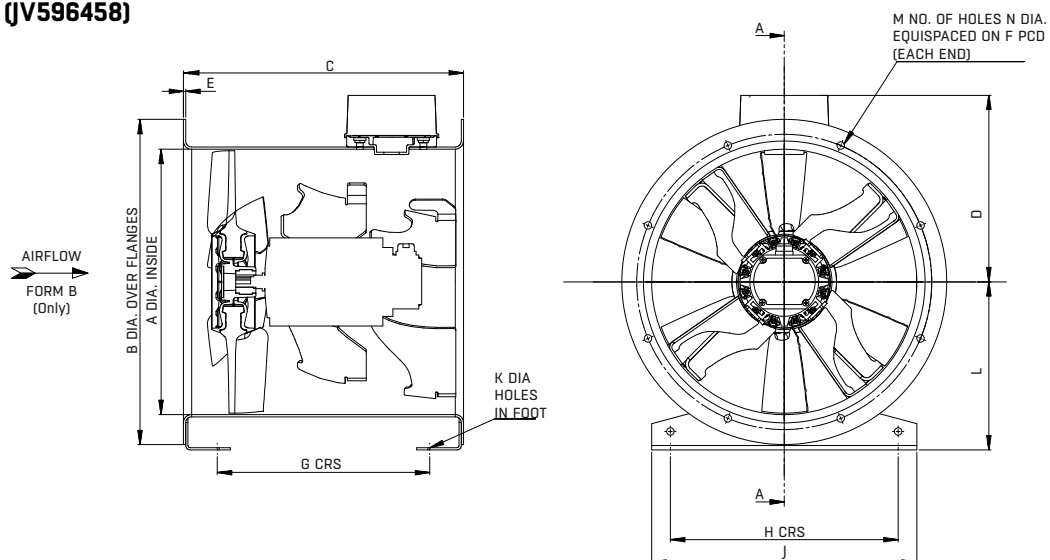
## DRAWINGS - 560 MM

### 560 MM (EE591271 & EJ591478)



| Product Number | Size | Motor Frame | C   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|---------------|
| EJ591478       | 560  | 90S         | 520 | 434 | 55            |
| EE591271       | 560  | 112M        | 520 | 434 | 78            |

### 560 MM (JV596458)



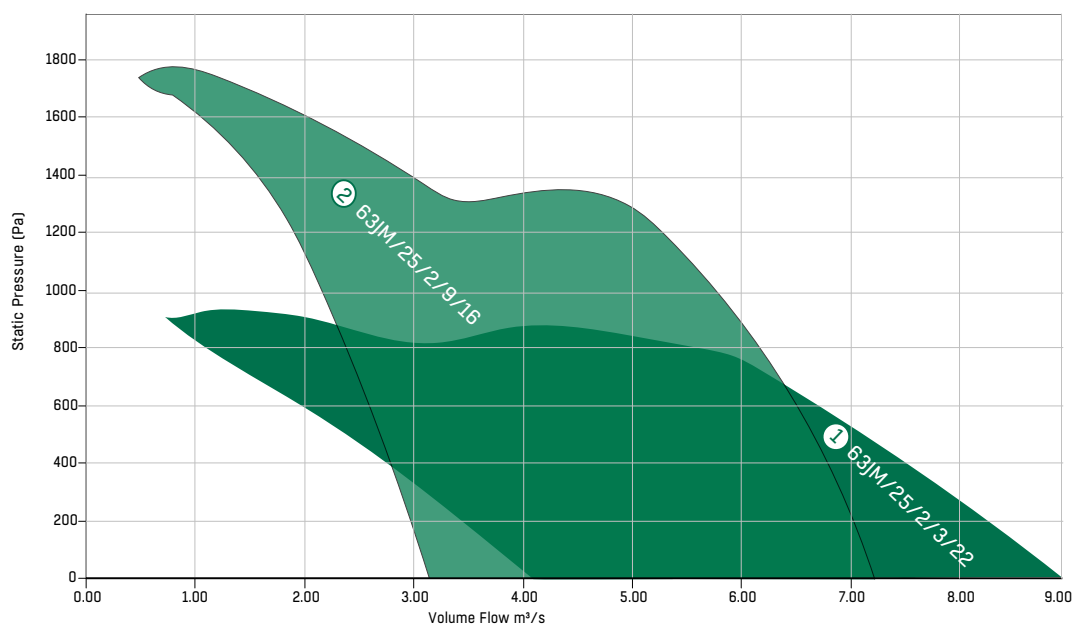
| Product Number | Size | Motor frame | A   | B   | C   | D   | E | F   | G   | H   | J   | K  | L   | M  | N  | Weight (kg) |
|----------------|------|-------------|-----|-----|-----|-----|---|-----|-----|-----|-----|----|-----|----|----|-------------|
| JV596458       | 560  | CT9         | 560 | 654 | 520 | 352 | 3 | 620 | 420 | 510 | 560 | 10 | 355 | 12 | 12 | 54          |

All dimensions in mm.

## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 630 MM, 2 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 630 MM, 2 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|
|     |                | 0                  | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 |
| 1   | 63JM/25/2/3/22 | 7.31               | 6.97 | 6.61 | 6.24 | 5.86 | 5.45 | 5.02 | 4.54 | 3.99 |     |      |      |      |      |      |      |      |      |
| 2   | 63JM/25/2/9/16 | 5.56               | 5.44 | 5.32 | 5.2  | 5.07 | 4.93 | 4.79 | 4.64 | 4.47 | 4.3 | 4.1  | 3.88 | 3.62 | 3.31 | 2.95 | 2.51 | 2.02 | 1.48 |

### PRODUCT AND ELECTRICAL DETAILS - 630 MM, 2 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |          | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|-------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|----------|--------------|
|     |                |                | Min             | Max |               |       |             |                       |                      |                     | Electronic       | Transformer | Inverter |              |
| 1   | 63JM/25/2/3/22 | EJ661232       | 8               | 22  | 2910          | 112M  | 6.2         | 11.7                  | 77.2                 | CD2417              | N/A              | N/A         | EA901022 | 74           |
| 2   | 63JM/25/2/9/16 | EJ669201       | 8               | 22  | 2910          | 160M  | 13.2        | 24.6                  | 142.7                | CD2417              | N/A              | N/A         | EA901024 | 77           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

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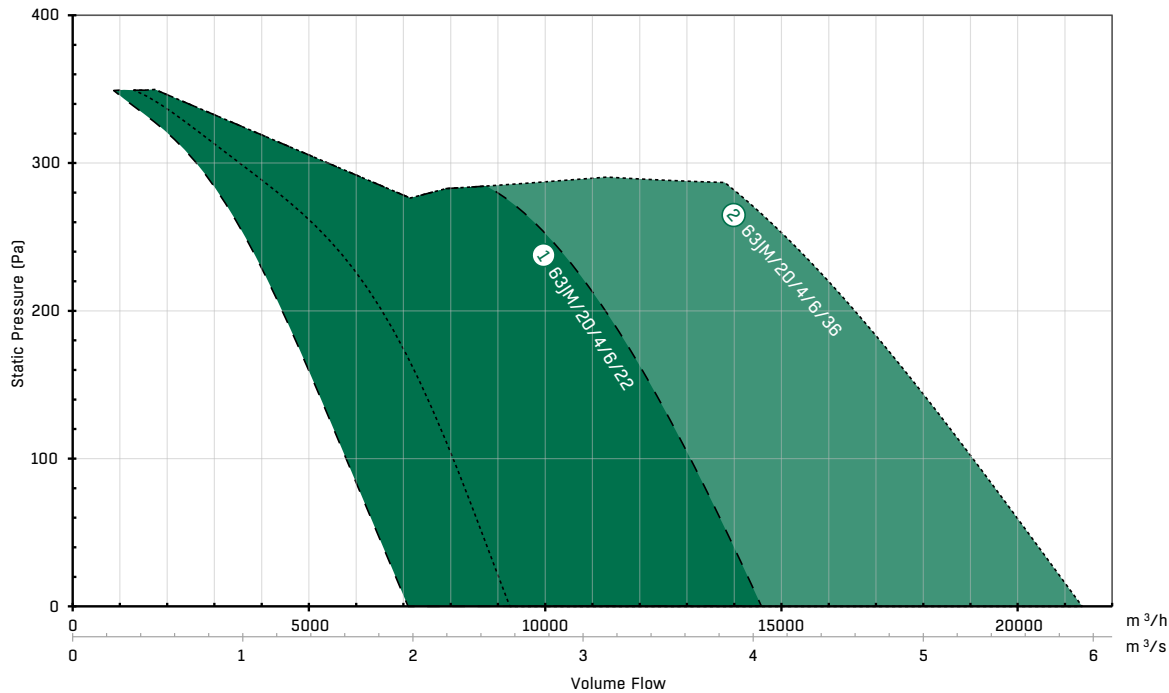




## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 630 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 630 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  | 200  | 250  |
| 1   | 63JM/20/4/6/22 | 4.04               | 3.84 | 3.63 | 3.39 | 3.13 | 2.79 |
| 2   | 63JM/20/4/6/36 | 5.93               | 5.61 | 5.29 | 4.95 | 4.59 | 4.19 |

### PRODUCT AND ELECTRICAL DETAILS - 630 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |             | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter    |              |
| 1   | 63JM/20/4/6/22 | EE661473       | 8               | 22  | 1420          | 90S (IE2)  | 1.32        | 2.84                  | 15.6                 | CD2416              | N/A              | N/A         | IDDXF54-3.7 | 60           |
| 2   | 63JM/20/4/6/36 | EJ661474       | 12              | 36  | 1420          | 100L (IE2) | 2.64        | 5.49                  | 30.74                | CD2416              | N/A              | N/A         | IDDXF54-7.2 | 64           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

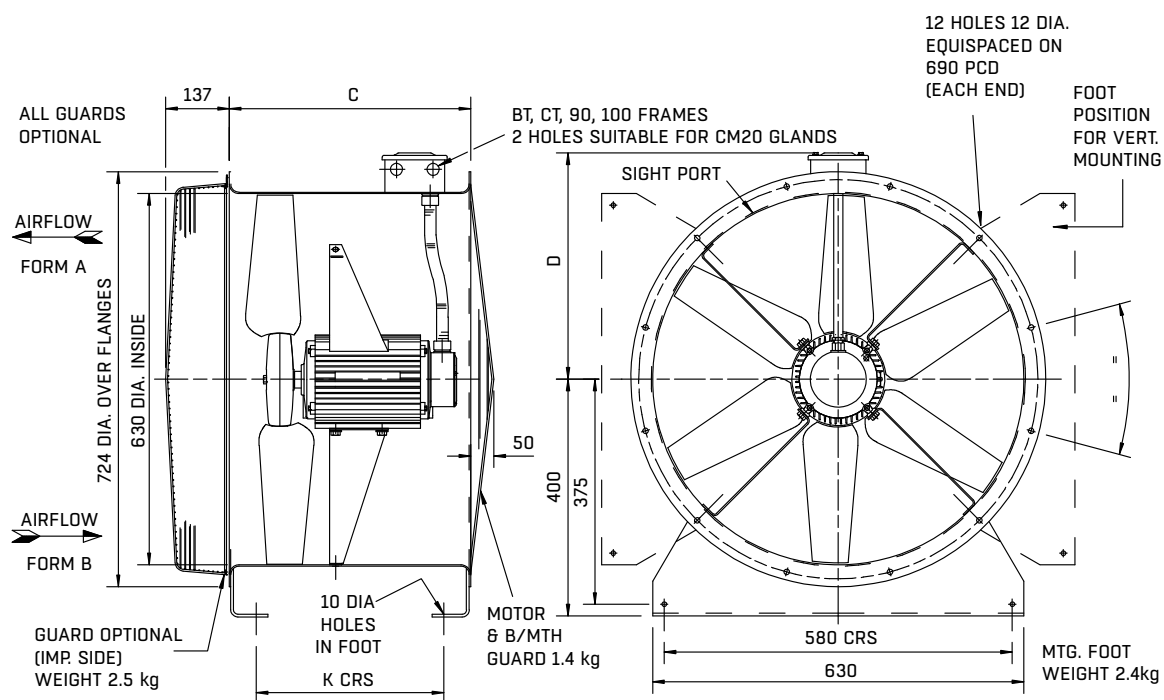
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## DRAWINGS - 630 MM

### 630 MM (EE661473 & EJ661474)



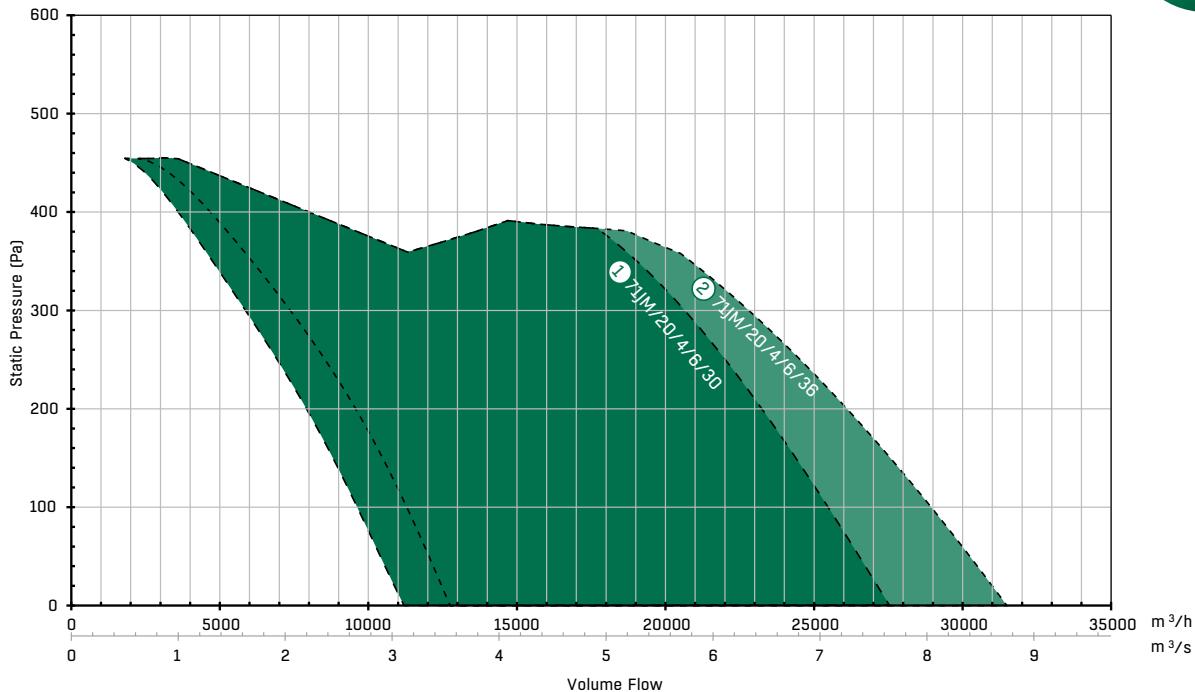
| Product Number | Size | Motor Frame | C   | D   | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|-----|---------------|
| EE661473       | 630  | 90S         | 520 | 403 | 434 | 61            |
| EJ661474       | 630  | 100L        | 520 | 403 | 434 | 80            |
| EJ661232       | 630  | 112M        | 520 | 403 | 434 | 92            |
| EJ669201       | 630  | 160M        | 625 | 440 | 619 | 202           |



## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 710 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 710 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |      |      |      |      |      |      |
|-----|----------------|--------------------|------|------|------|------|------|------|
|     |                | 0                  | 50   | 100  | 150  | 200  | 250  | 300  |
| 1   | 71JM/20/4/6/30 | 7.64               | 7.36 | 7.07 | 6.77 | 6.45 | 6.11 | 5.73 |
| 2   | 71JM/20/4/6/36 | 8.74               | 8.4  | 8.03 | 7.65 | 7.25 | 6.81 | 6.33 |

### PRODUCT AND ELECTRICAL DETAILS - 710 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |           | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|-----------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter  |              |
| 1   | 71JM/20/4/6/30 | EE741471       | 8               | 30  | 1440          | 100L (IE2) | 3.6         | 7.29                  | 40.09                | CD2416              | N/A              | N/A         | IDDXF54-9 | 67           |
| 2   | 71JM/20/4/6/36 | EJ741474       | 10              | 36  | 1440          | 112M (IE2) | 4.8         | 9.7                   | 49.4                 | CD2417              | N/A              | N/A         | IDDXF54-9 | 69           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

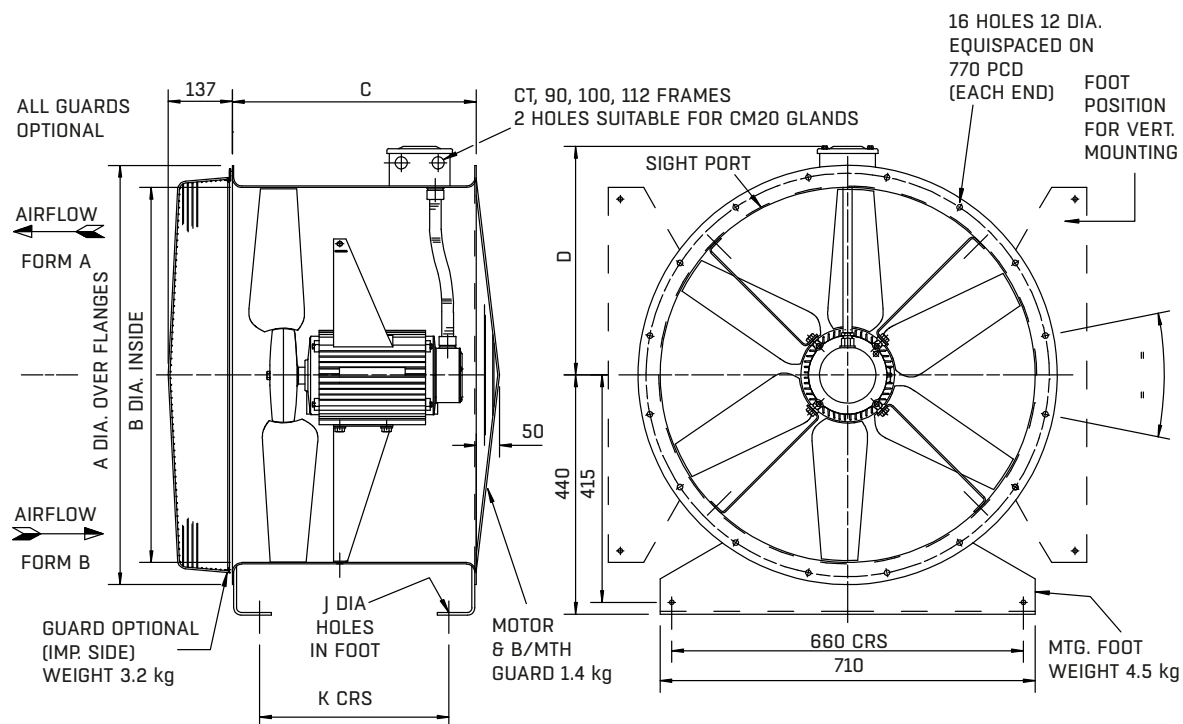
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## DRAWINGS - 710 MM

### 710 MM (EE741471 & EJ741474)



| Product Number | Size | Motor Frame | A   | B   | C   | D   | J  | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|-----|-----|----|-----|---------------|
| EE741471       | 710  | 100L        | 804 | 710 | 520 | 443 | 10 | 434 | 84            |
| EJ741474       | 710  | 112M        | 804 | 710 | 520 | 443 | 10 | 434 | 95            |

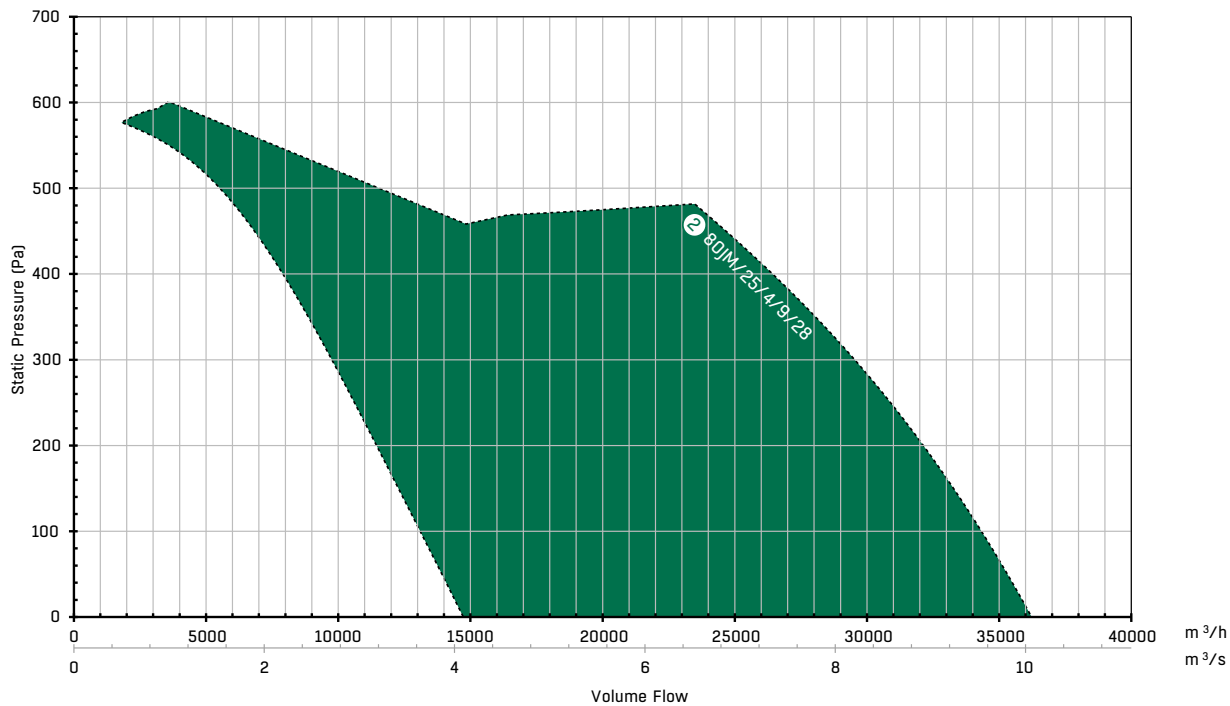




## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 800 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 800 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |     |      |      |      |      |     |      |
|-----|----------------|--------------------|-----|------|------|------|------|-----|------|
|     |                | 0                  | 50  | 100  | 150  | 200  | 250  | 300 | 400  |
| 1   | 80JM/25/4/9/28 | 10.06              | 9.8 | 9.53 | 9.24 | 8.92 | 8.58 | 8.2 | 7.34 |

### PRODUCT AND ELECTRICAL DETAILS - 800 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |              | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|--------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter     |              |
| 1   | 80JM/25/4/9/28 | EE831478       | 8               | 28  | 1455          | 132S (IE2) | 6.33        | 12.6                  | 76.25                | CD2417              | N/A              | N/A         | IDDXF54-15.5 | 71           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

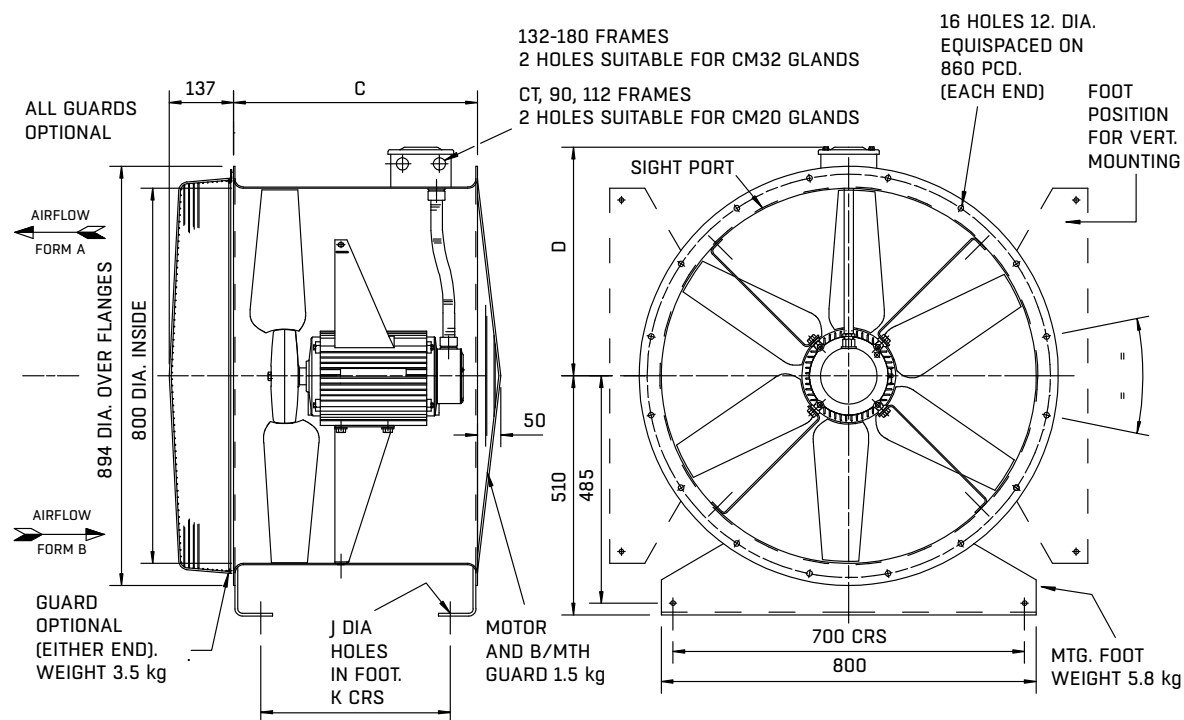
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## DRAWINGS - 800 MM

### 800 MM (EE831478)



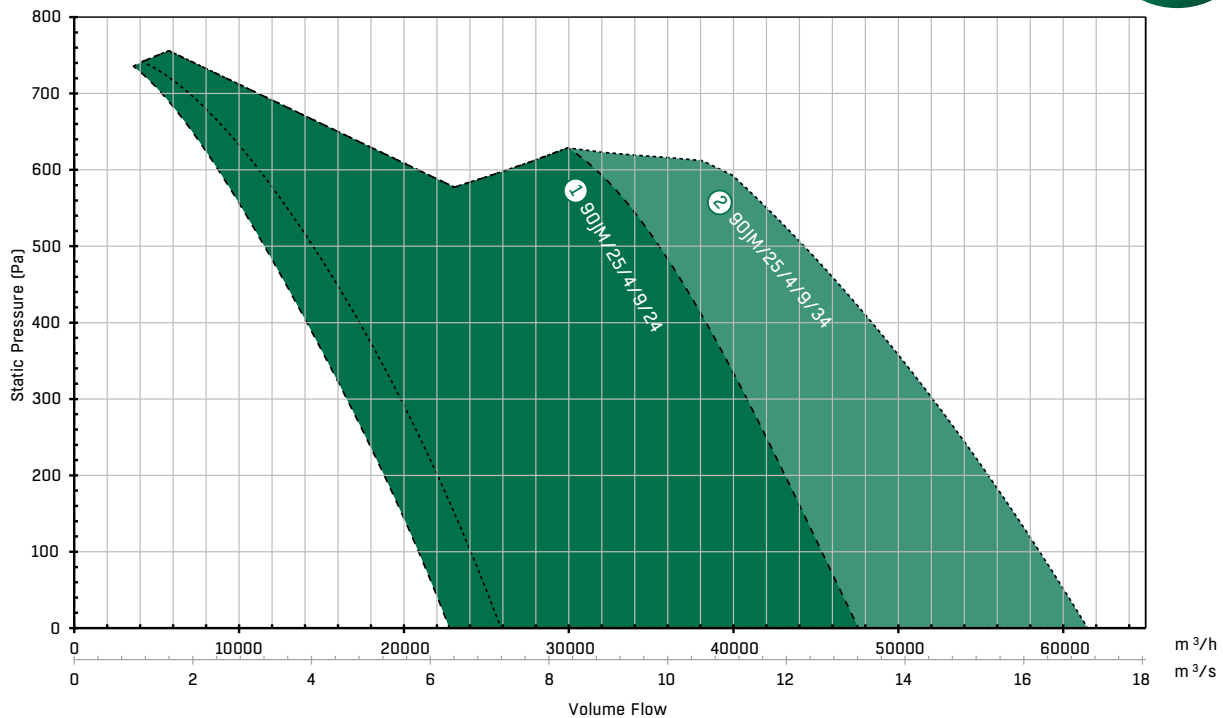
| Product Number | Size | Motor Frame | C   | D   | J  | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|----|-----|---------------|
| EE831478       | 800  | 132S        | 520 | 480 | 12 | 434 | 166           |



## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 900 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 900 MM, 4 POLE

| Ref | Product Code   | m³/s @ Pa (Static) |       |       |       |       |       |       |       |       |      |
|-----|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|     |                | 0                  | 50    | 100   | 150   | 200   | 250   | 300   | 400   | 500   | 600  |
| 1   | 90JM/25/4/9/24 | 13.21              | 12.9  | 12.6  | 12.29 | 11.97 | 11.65 | 11.33 | 10.64 | 9.85  | 8.79 |
| 2   | 90JM/25/4/9/34 | 17.07              | 16.67 | 16.26 | 15.84 | 15.4  | 14.94 | 14.46 | 13.44 | 12.29 |      |

### PRODUCT AND ELECTRICAL DETAILS - 900 MM, 4 POLE

| Ref | Product Code   | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |            | Sound Levels |
|-----|----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|------------|--------------|
|     |                |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter   |              |
| 1   | 90JM/25/4/9/24 | EE931473       | 8               | 24  | 1440          | 132M (IE2) | 9           | 17.1                  | 100.89               | CD2417              | N/A              | N/A         | IDDXF54-23 | 75           |
| 2   | 90JM/25/4/9/34 | EJ931476       | 10              | 34  | 1440          | 160M (IE2) | 13.2        | 25.3                  | 135.7                | CD2417              | N/A              | N/A         | IDDXF54-31 | 77           |

For ErP efficiency ratings and grades please refer to our Fan Selector for more information. Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

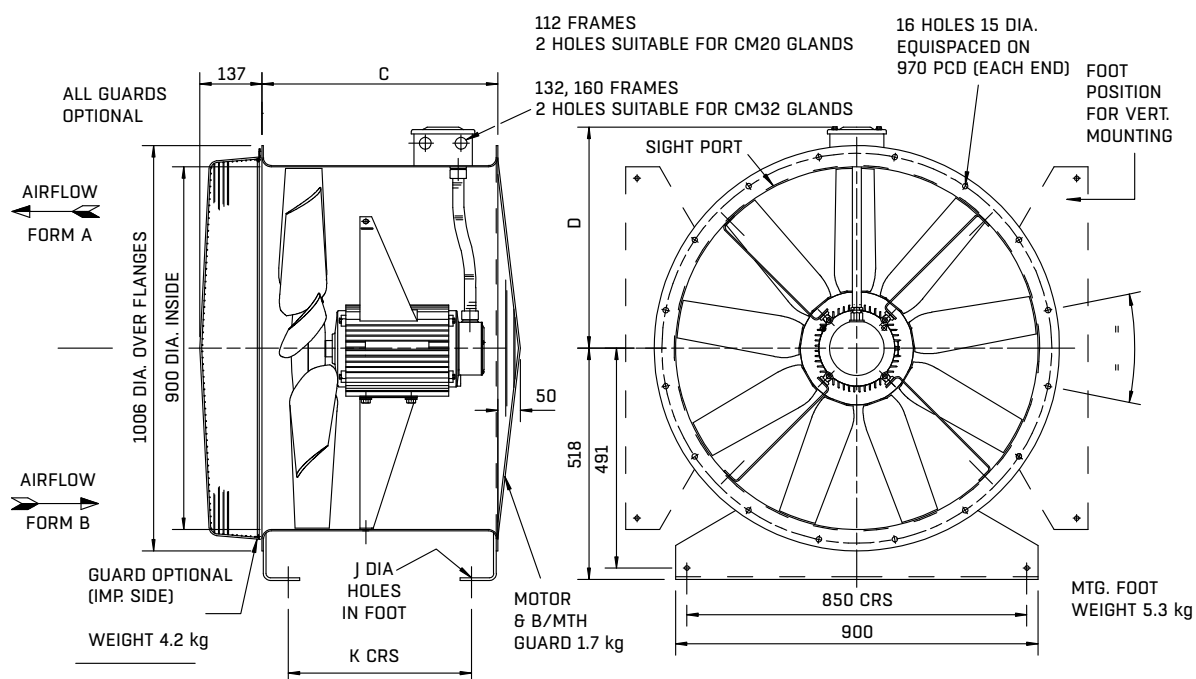
Non stocked JM Aerofoil are available in 10 working weeks, based on the parts availability. If a reduced lead time is required please contact the office.

Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.



## DRAWINGS - 900 MM

### 900 MM (EE931473 & EJ931476)



| Product Number | Size | Motor Frame | C   | D   | J  | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|----|-----|---------------|
| EE931473       | 900  | 132M        | 520 | 575 | 12 | 440 | 179           |
| EJ931476       | 900  | 160M        | 625 | 575 | 12 | 545 | 248           |

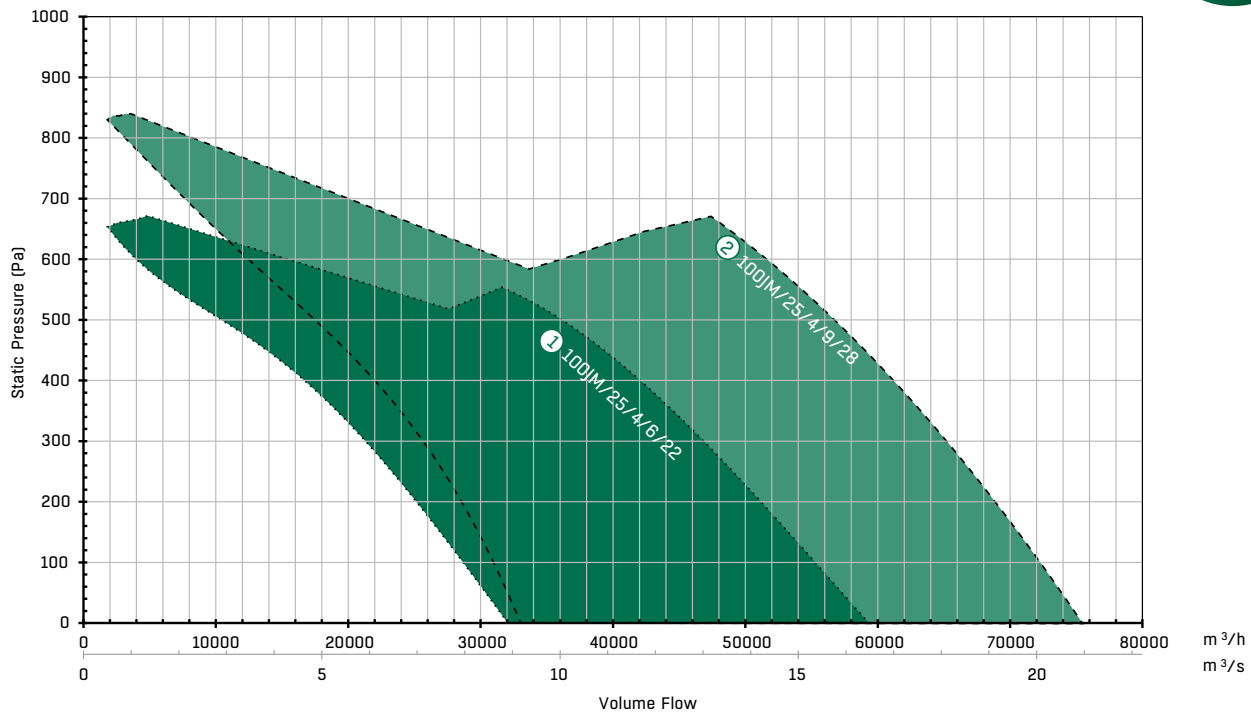
All dimensions in mm.



## JM AEROFOIL PERFORMANCE AND ELECTRICAL DATA

380-420V/50HZ/3 $\phi$  - L TYPE

### PERFORMANCE CHART - 1000 MM, 4 POLE



As standard 3 phase JM Aerofoils are supplied at the maximum pitch angle, the envelope curve above illustrates the pitch angle range available on request.

### PERFORMANCE TABLE - 1000 MM, 4 POLE

| Ref | Product Code    | m³/s @ Pa (Static) |       |       |       |       |       |       |       |       |       |
|-----|-----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                 | 0                  | 50    | 100   | 150   | 200   | 250   | 300   | 400   | 500   | 600   |
| 1   | 100JM/25/4/6/22 | 16.46              | 15.91 | 15.35 | 14.78 | 14.21 | 13.62 | 13.01 | 11.68 | 10.04 |       |
| 2   | 100JM/25/4/9/28 | 20.96              | 20.52 | 20.07 | 19.61 | 19.12 | 18.63 | 18.11 | 16.99 | 15.75 | 14.33 |

### PRODUCT AND ELECTRICAL DETAILS - 1000 MM, 4 POLE

| Ref | Product Code    | Product Number | Pitch Angle (°) |     | Speed rev/min | Motor      | Rating (kW) | Full Load Current (A) | Starting Current (A) | Wiring Diagram (CD) | Speed Controller |             |            | Sound Levels |
|-----|-----------------|----------------|-----------------|-----|---------------|------------|-------------|-----------------------|----------------------|---------------------|------------------|-------------|------------|--------------|
|     |                 |                | Min             | Max |               |            |             |                       |                      |                     | Electronic       | Transformer | Inverter   |              |
| 1   | 100JM/25/4/6/22 | EE133472       | 8               | 22  | 1440          | 132M (IE2) | 9           | 17.1                  | 100.89               | CD2417              | N/A              | N/A         | IDDXF54-23 | 79           |
| 2   | 100JM/25/4/9/28 | EE131475       | 8               | 28  | 1470          | 160L (IE2) | 18          | 34.2                  | 177.81               | CD2417              | N/A              | N/A         | IDDXF54-37 | 81           |

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field For ErP efficiency ratings and grades please refer to our Fan Selector for more information. These are presented for comparative purposes only. For speed controllers please see pages 250-297.

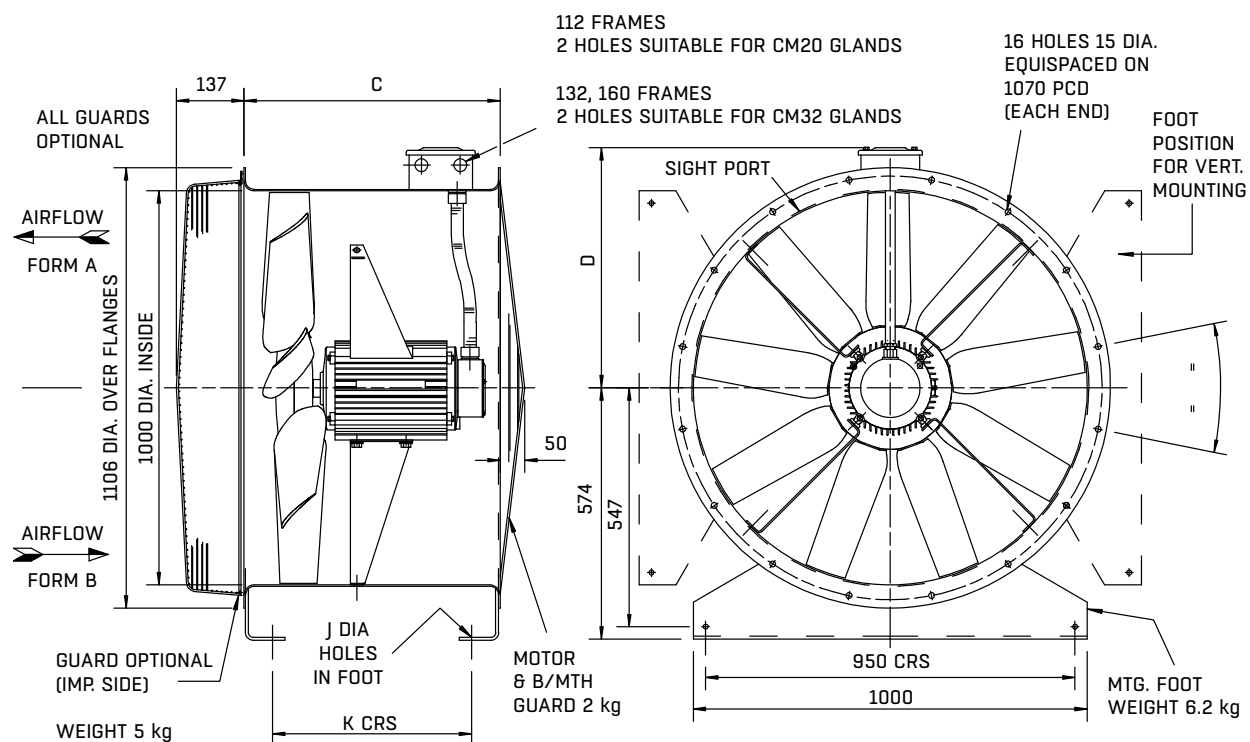
Non stocked JM Aerofoil are available in 10 working weeks, based on the parts availability. If a reduced lead time is required please contact the office.

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## DRAWINGS 1000 MM

### 1000 MM (EE133472 & EE131475)



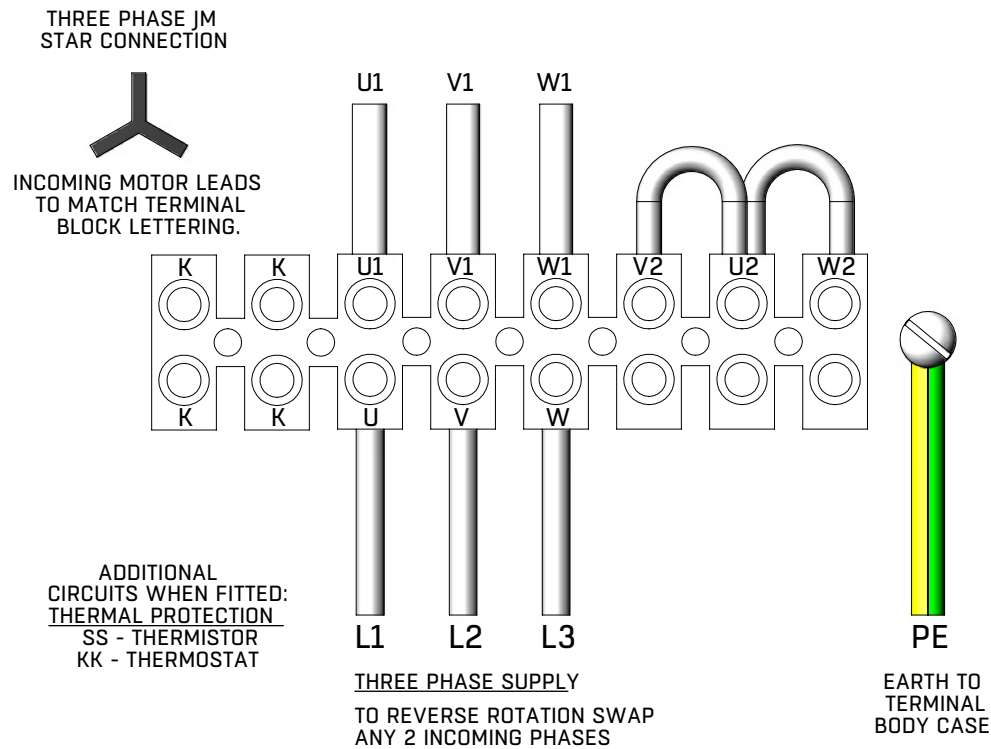
| Product Number | Size | Motor Frame | C   | D   | J  | K   | Weight kg Fan |
|----------------|------|-------------|-----|-----|----|-----|---------------|
| EE133472       | 1000 | 132M        | 520 | 625 | 12 | 440 | 218           |
| EE131475       | 1000 | 160L        | 711 | 625 | 12 | 629 | 295           |

All dimensions in mm.

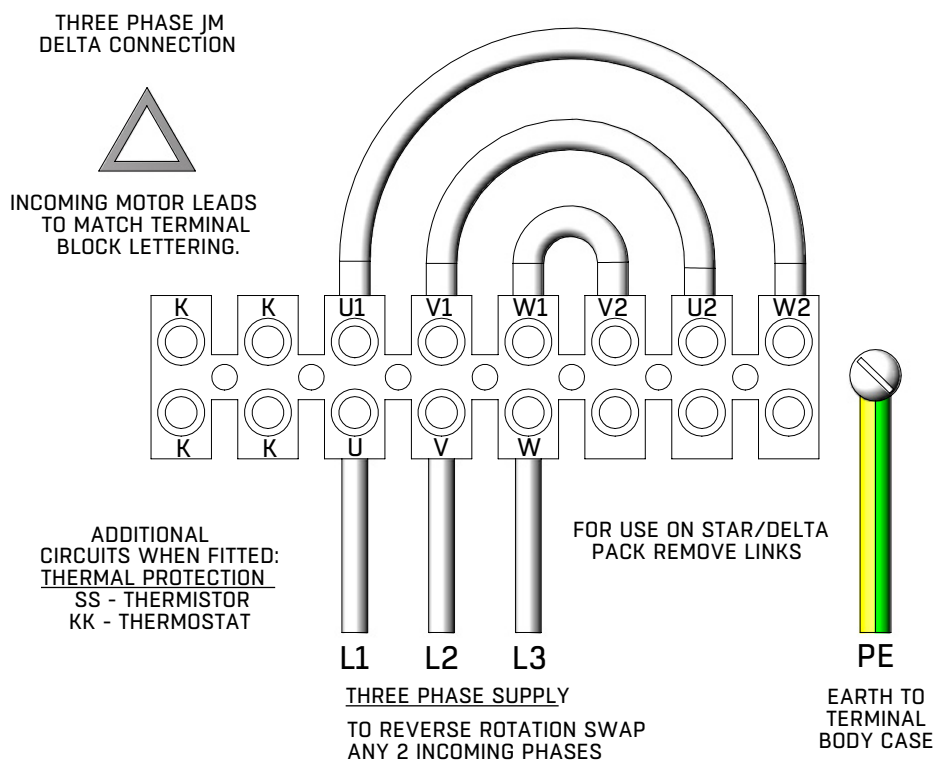


## WIRING DIAGRAMS - JM AEROFOIL

### CD2416



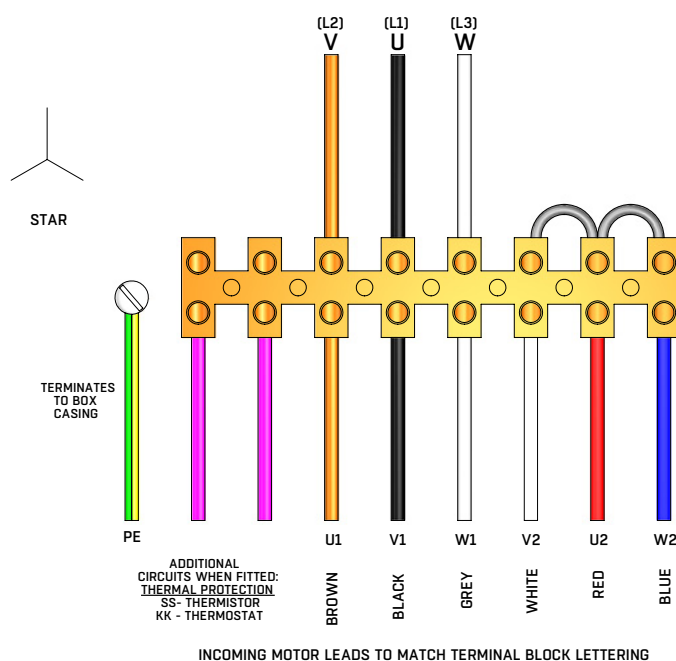
### CD2417



# WIRING DIAGRAMS - JM<sub>v</sub> AEROFOIL

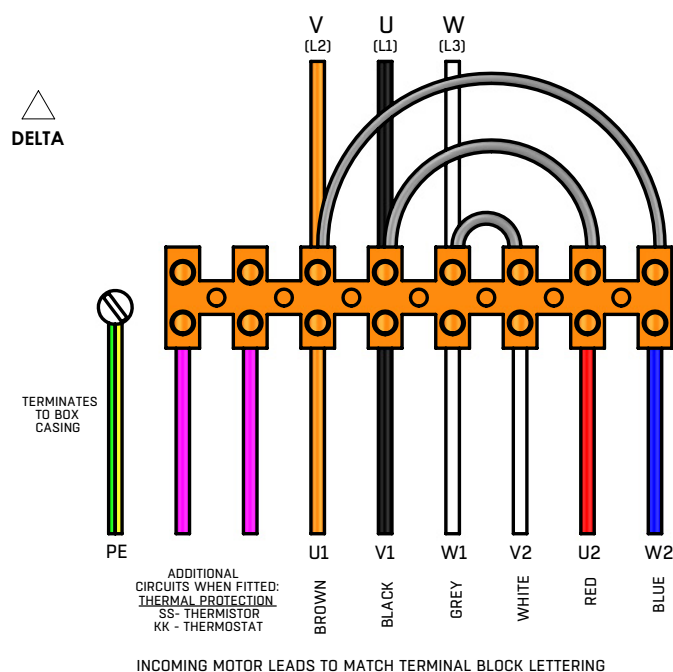
## CD3018

CONNECTION DIAGRAM FOR THREE PHASE DUAL VOLTAGE, STAR  
ACDE ROTATION



## CD3020

CONNECTION DIAGRAM FOR THREE PHASE DELTA FIXED SPEED  
ACDE ROTATION



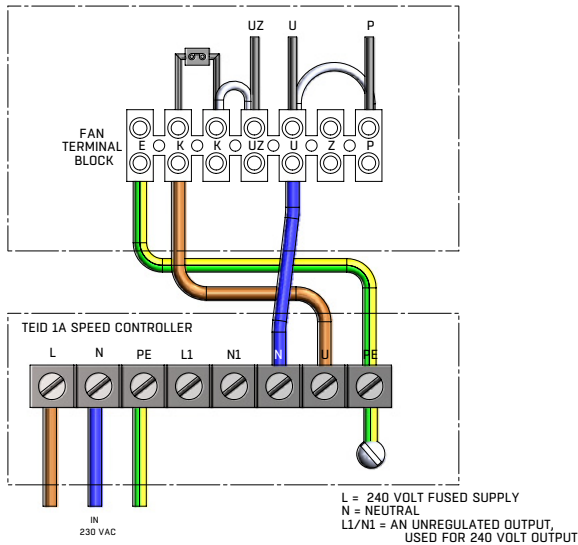




## WIRING DIAGRAMS - JM AEROFOIL

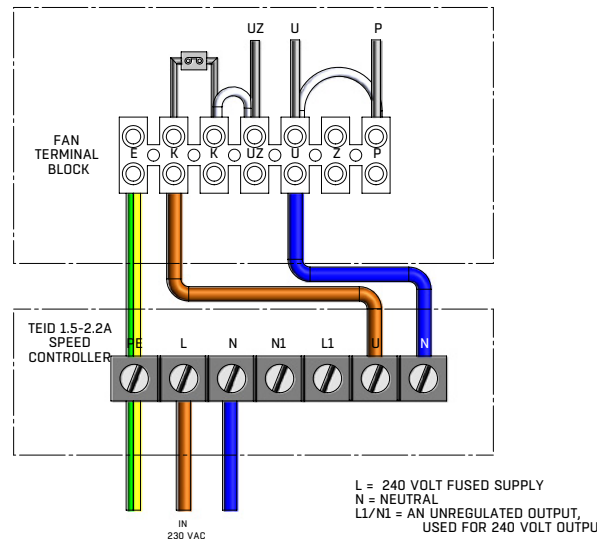
### CD3033 - JM 1 PHASE (CONNECTED TEID 1A)

JM CONNECTED TO TEID 1A TRANSFORMER SPEED CONTROLLER

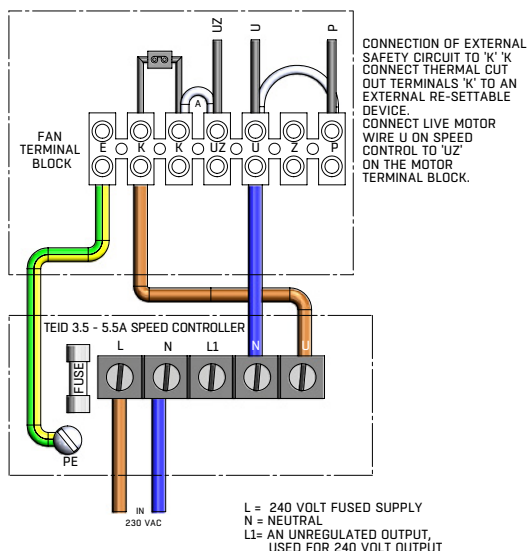


### CD3035 - JM 1 PHASE (CONNECTED TEID 1.5-2.2A)

JM CONNECTED TO TEID 1.5-2.2A TRANSFORMER SPEED CONTROLLER

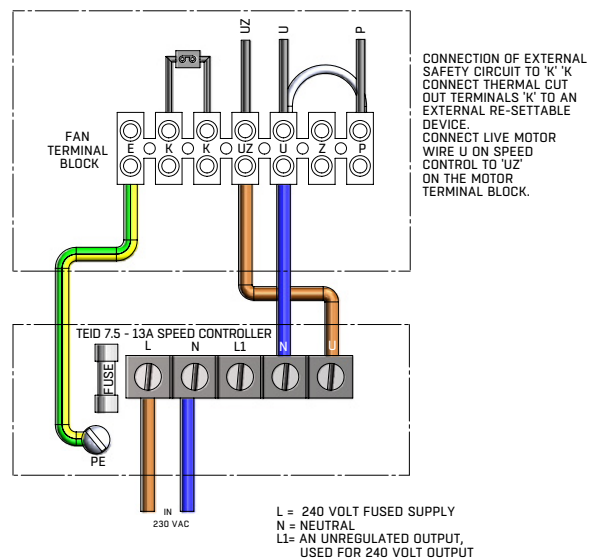


### CD3034 - JM 1 PHASE (CONNECTED TEID 3.5-5.5A)

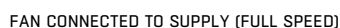


CONNECTION OF EXTERNAL  
SAFETY CIRCUIT TO 'K' 'K'  
CONNECT THERMAL CUT  
OUT TERMINALS 'K' TO AN  
EXTERNAL RE-SETTABLE  
DEVICE.  
CONNECT LIVE MOTOR  
WIRE U ON SPEED  
CONTROL TO 'UZ'  
ON THE MOTOR  
TERMINAL BLOCK.

### CD3034 - JM 1 PHASE (CONNECTED TEID 7.5-13A)



CONNECTION OF EXTERNAL  
SAFETY CIRCUIT TO 'K' 'K'  
CONNECT THERMAL CUT  
OUT TERMINALS 'K' TO AN  
EXTERNAL RE-SETTABLE  
DEVICE.  
CONNECT LIVE MOTOR  
WIRE U ON SPEED  
CONTROL TO 'UZ'  
ON THE MOTOR  
TERMINAL BLOCK.

**CD3038 - 315-500 JM 1 PHASE (WITHOUT AND WITH ME SPEED CONTROLLER)**

FAN CONNECTED TO SUPPLY (FULL SPEED)

