

**Project :** \_\_\_\_\_ **Customer :** \_\_\_\_\_ **Project Code :** \_\_\_\_\_  
**Quotation :** \_\_\_\_\_ **Date :** 08 May 2025



**JM Aerofoil**  
  
 71JM/20/4/6/  
 JL741453  
 1 day - (Fan Only)  
 Lead time may vary based on stock availability at time of order. Please refresh the lead time in the project or reselect the fan before placing an order.

| PRODUCT      |                        |
|--------------|------------------------|
| Model Code   | 71JM/20/4/6/           |
| Fan Diameter | 710 mm                 |
| Impeller     | 6 Blades, Angle        |
| Installation | Type D - Form B        |
| Fan Casing   | Long Case - Horizontal |

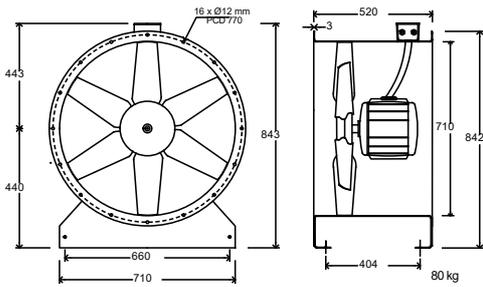
| PERFORMANCE             |                                |
|-------------------------|--------------------------------|
| Requested Duty          | 0.000 m³/s @ 0.000 Pa (Static) |
| Actual Duty             | 0.000 m³/s @ 0.000 Pa (Static) |
| Outlet Dynamic Pressure | 0.000 Pa                       |
| Velocity                | 0.00 m/s                       |

| MOTOR             |                                       |
|-------------------|---------------------------------------|
| Motor Rating      | 2.10 kW [ F22 Frame - 4 Pole ]        |
| Full Load Current | 4.4 A                                 |
| Starting Current  | 22 A                                  |
| Electrical Supply | 380 - 415 Volts 50 Hz 3 Phase         |
| Motor Winding     | Standard                              |
| Motor Type        | TEAR - Pad - IE1 - Class F Insulation |

| EFFICIENCY GRADES |                   |
|-------------------|-------------------|
| ErP [FMEG] Rating | Not ErP Compliant |

| ENVIRONMENT           |                                  |
|-----------------------|----------------------------------|
| Air Density           | 1.2 kg/m³ / 20 °C / 0 m / 40% RH |
| Smoke Venting         | No Smoke Venting                 |
| Operating Environment | Normal                           |

**PRODUCT DIMENSIONS**

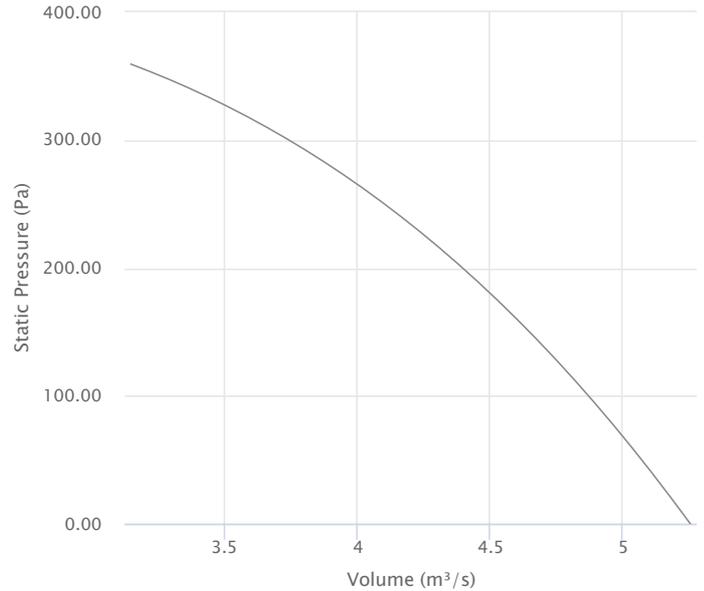


This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

| MECHANICAL             |   |
|------------------------|---|
| Casing                 | 710mm Steel Casing                          |
| Impeller               | Aluminium LM6 Hub, Aluminium LM6 Blades     |
| Operating Temperatures | -20 °C to 50 °C (95% Max Relative Humidity) |
| Weight                 | 80kg  |

**COMMENTS**

**FAN PERFORMANCE CURVE**



**ACOUSTICS**

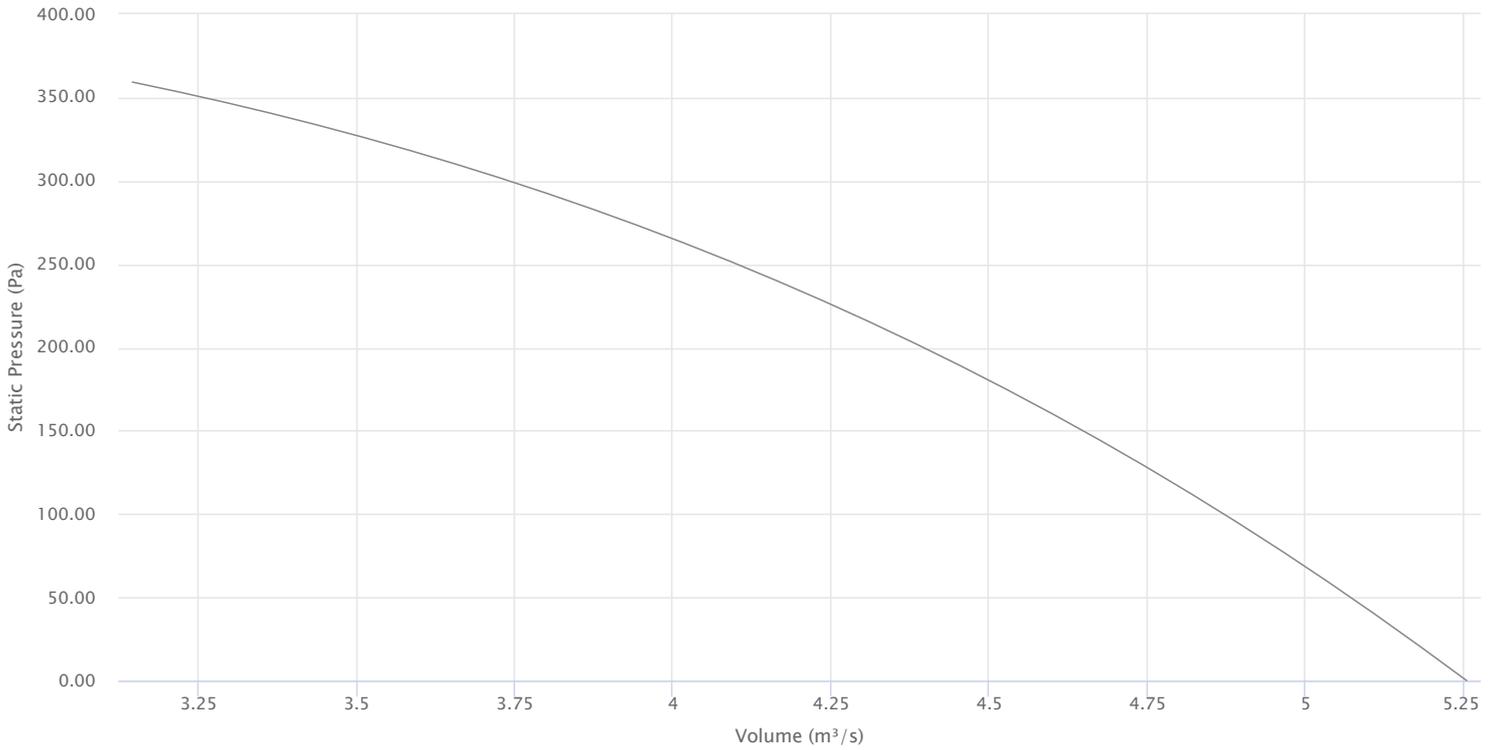
| Sound Spectrum (Hz)           |     |     |    |    |    |    |     | Overall                        | Distance (3 m)                  |
|-------------------------------|-----|-----|----|----|----|----|-----|--------------------------------|---------------------------------|
| 125                           | 250 | 500 | 1k | 2k | 4k | 8k | Lw* | LWA*                           | LpA @ 3 m **                    |
| Sound Data At Requested Duty. |     |     |    |    |    |    |     | * Lw dB re 10 <sup>-12</sup> W | ** dBA re 2x10 <sup>-5</sup> Pa |

**FAN & ACCESSORIES**

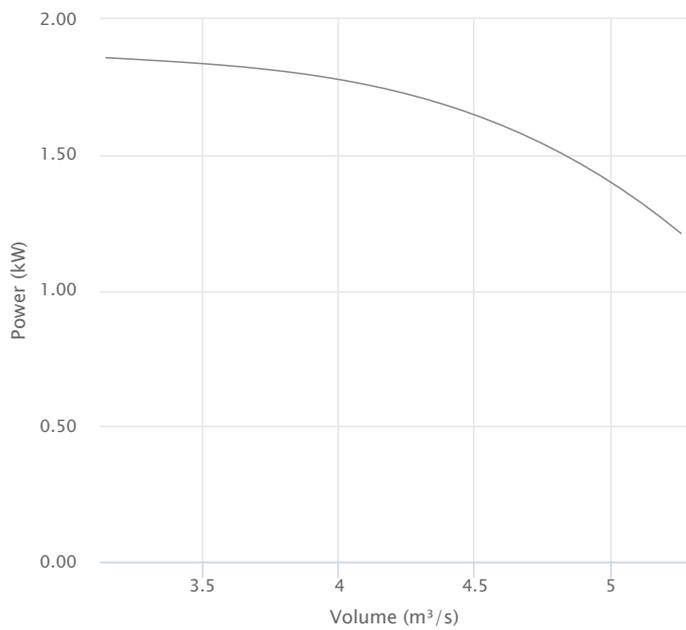
| Item Description | Part Number | Qty | Lead-Time |
|------------------|-------------|-----|-----------|
| 71JM/20/4/6/     | JL741453    | 1   | 1 Day     |

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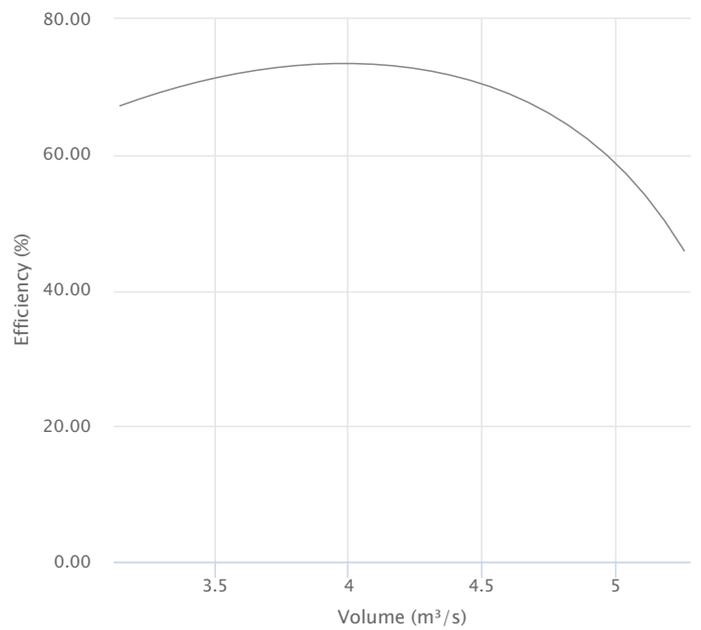
**AERODYNAMIC**



**POWER CHART**



**EFFICIENCY CHART**

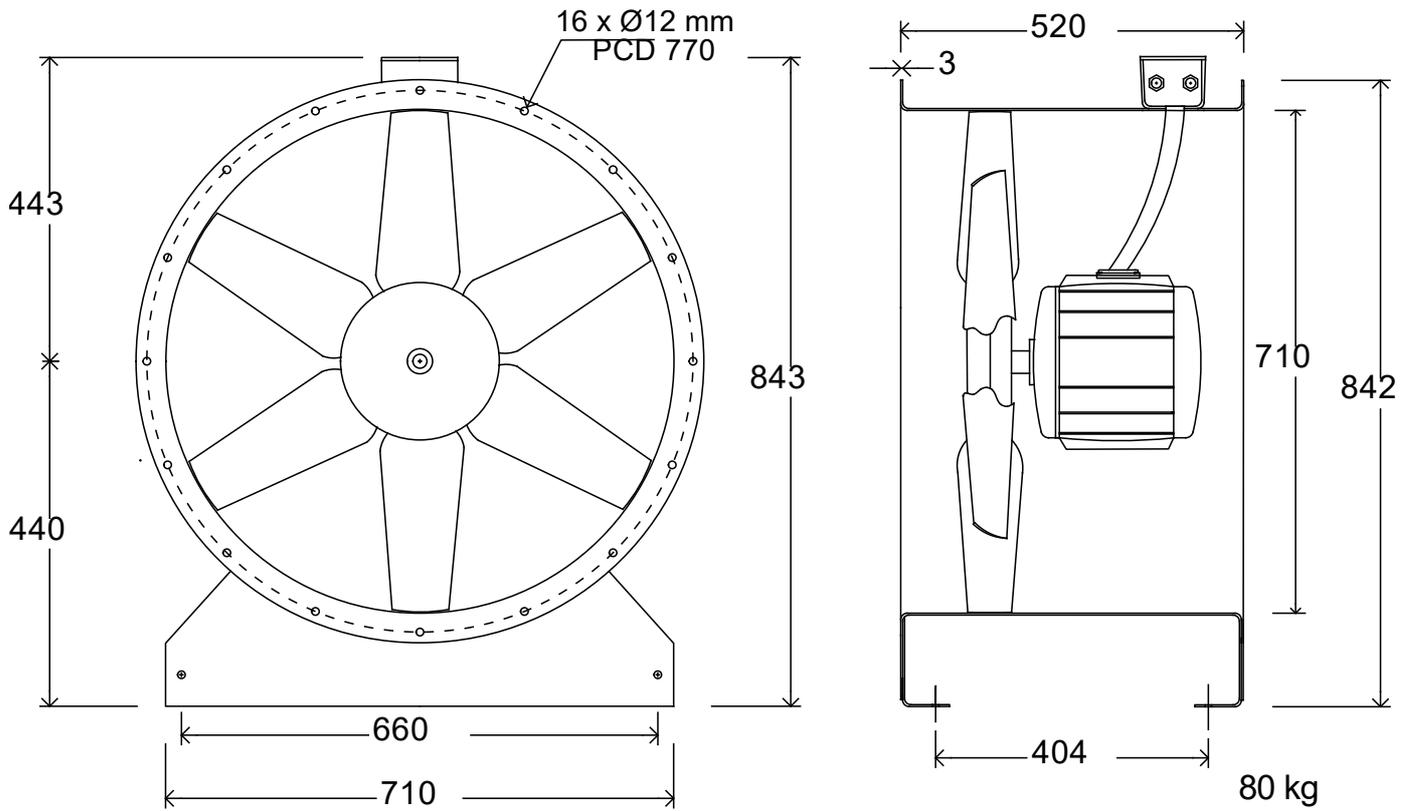


**ACOUSTICS**

| Sound Spectrum (Hz)            |     |     |    |    |    |    |     | Overall                        |                                 |
|--------------------------------|-----|-----|----|----|----|----|-----|--------------------------------|---------------------------------|
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**PRODUCT DIMENSIONS**



**ACCESSORY DIMENSIONS**

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**JM AEROFOIL**

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**ENVIRONMENT NOTES**

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Fans are designed for Continuous operation from -40°C to +50°C, but is suitable for frequent starting down to -20°C.

**HIGH TEMPERATURE NOTES**

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High Temperature Notes

**PERFORMANCE NOTES**

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Performance data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with ISO 5801 and is specifically applicable for Ducted installations. When an electronic controller is incorporated, motor noise may increase slightly - particularly when the operating speed is well below maximum. We therefore recommend using an auto transformer speed controller for noise sensitive applications. Bifurcated Axial fans are ErP exempt, where the in-duct air temperature is continuously greater than 100°C. This fan variant should not be used within EEA countries at lower temperatures

**ACOUSTIC NOTES**

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Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2 / ISO 5136 under Ducted conditions. The LpA figure provided is the overall Inlet sound pressure level calculated at the specified distance, under spherical, free field conditions. Breakout levels stated are estimated from induct sound power levels and are provided for guidance. Acoustic figures for adjusted running speeds have been interpolated and are for reference only.