Can you benefit from AxiBlade in smaller sizes 630 and 710?

Yes!

AxiBlade
Your ebm-papst solution.
Welcome to the AxiBlade family: Introducing the new sizes 630 and 710.

Increased power, greater efficiency, more potential applications. The innovative AxiBlade range sets the benchmark for large axial fans when it comes to energy efficiency and noise characteristics. With the sizes 800 and 910 that were previously available, refrigeration systems such as evaporators and condensers benefited the most. With the new sizes, the fans are now true all-round solutions. For example, the new sizes are ideal for use in heat pumps or exhaust FanGrid solutions.

Offering air flows of up to 25,000 m³/h (14,714 cfm) at a maximum pressure range of up to 450 Pa (1.81” w.g.), the AxiBlade range opens up a myriad of applications in ventilation, air conditioning and refrigeration technology.

And this is just the start. Our engineers are already working hard on gradually enhancing the product designs, enabling us to offer you the perfect solution for an ever-increasing number of applications.

The highly efficient, whisper-quiet ebm-papst axial fans convey air for heating and cooling purposes in a variety of different devices and systems.
Offering an overall static efficiency of up to 53% and up to 4 dB(A) lower noise emissions compared to our own already quiet HyBlade® fans, the AxiBlades are far superior to any other axial fan. The secret to their success lies in their modular design. Depending on the application and back pressure in question, it is possible to combine different drives as well as innovative peripheral components, such as diffusers or the FlowGrid air-inlet noise reduction grill. They are complemented by optimized aerodynamics on the impellers, tailored perfectly to the requirements of concern and the motor which has been installed. This means you always obtain a complete system offering guaranteed optimum efficiency for your particular application.

The benchmark *in any size.*

**No need to change the design.** Despite the variety on offer and the individual adjustments to suit specific needs, the fans’ external dimensions are identical to the industry standard. This means that old fans can be replaced like-for-like with highly efficient AxiBlades. In terms of the motors, you can choose between AC technology and highly efficient EC technology. Both versions easily satisfy the current Energy related Products Directive (ErP) efficiency requirements for limiting CO₂ emissions.

**Do the new sizes also offer all benefits of the larger sizes?**

Yes!

- Aerodynamically optimized complete system
- Individually coordinated components
- Maximum efficiency and less noise
- An identical footprint enabling easy like-for-like replacement
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Introducing the new sizes 630 and 710.

Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>Item number</th>
<th>Motor</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>W3G 630-NR63-01</td>
<td>112 EC</td>
<td>797</td>
<td>272</td>
<td>145</td>
<td>11</td>
<td>800</td>
<td>750</td>
<td>805</td>
</tr>
<tr>
<td>710</td>
<td>W3G 710-NK67-01</td>
<td>112 EC</td>
<td>842</td>
<td>279</td>
<td>152</td>
<td>14.5</td>
<td>853</td>
<td>810</td>
<td>850</td>
</tr>
</tbody>
</table>

All dimensions in mm. Data sheets available on request.
Subject to technical changes.
... and inner values.

### Nominal data

<table>
<thead>
<tr>
<th>Size</th>
<th>Item number</th>
<th>Motor</th>
<th>Nominal voltage range</th>
<th>Frequency</th>
<th>Speed rpm</th>
<th>Max. power consumption W</th>
<th>Max. input current A</th>
<th>Permitted ambient temperature °C</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>W3G 630-NR63-01</td>
<td>112 EC</td>
<td>3~ 380–480</td>
<td>50/60</td>
<td>1,260</td>
<td>1,150</td>
<td>1.8</td>
<td>–25 to +60</td>
<td>26.0</td>
</tr>
<tr>
<td>710</td>
<td>W3G 710-NK67-01</td>
<td>112 EC</td>
<td>3~ 380–480</td>
<td>50/60</td>
<td>1,100</td>
<td>1,020</td>
<td>1.6</td>
<td>–25 to +60</td>
<td>27.0</td>
</tr>
</tbody>
</table>

Nominal data at operating point with maximum load and 400 VAC.

Subject to technical changes.

Other AxiBlade versions with different motor variants will be available soon.

For technical queries please send an e-mail to info1@de.ebmpapst.com