

HyBlade®

the new benchmark for axial fans

With HyBlade®, an innovative and at the present time also a unique hybrid structure for fan blades, ebm-papst is redefining the strengths of large axial fans!



We are taking the next step.

Entirely new standards are set by this combination of an aluminium supporting structure and a cladding or sleeve made of glassfibre-reinforced plastic. Above all, the optimized aerodynamic shape results in enormous noise reduction while significantly increasing the efficiency compared to conventional blades.

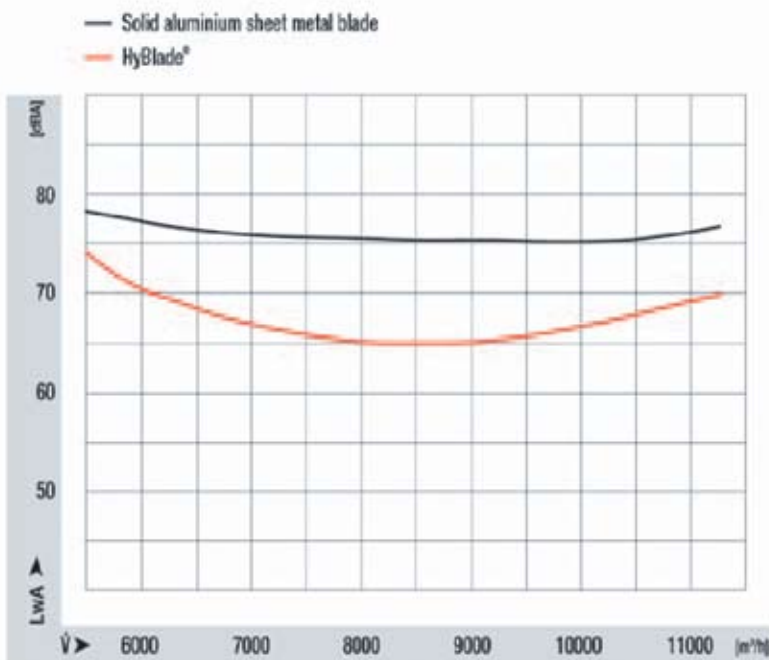
The advantages of our large axial fans are really nothing new in the refrigeration and climate control business. However, continuously rising requirements in practice demand of us that we never cease to conduct new research into fan technology capabilities.

The primary requirements are for the maximum possible airflow rating at the lowest possible noise level – massive dB reductions can be achieved as shown on the next page.

For further information please
contact: sales@ebmpapst.com.au

HyBlade[®]

fans by ebm-papst take the next step



However, we have also included an optimized efficiency rating, improved corrosion protection, reduced weight and environmentally-aware production with a favorable energy-to-output ratio.

- Massive weight reduction
- Ultra-efficient blade profiling
- Revolutionary noise reduction
- Substantial improvement in efficiency rating
- Significantly more environmentally compatible production

The superlative properties of HyBlade[®] technology leave a lasting impression on highly renowned, independent institutions: in early 2008, HyBlade[®] was recognized by iF (iF International Forum Design GmbH) with the iF material award, a highly renowned prize for superlative material solutions.

As you would expect, every new product at ebm-papst is tested before it goes into volume production. Our quality standards are therefore correspondingly stringent. In our research and testing facilities in Arizona, Singapore and Siberia, the design advantages and performance capabilities of hybrid technology are being load-tested under the most arduous conditions. Due to the fact that these locations experience extreme climatic conditions all year round, they provide ideal environments for our endurance tests.

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