

Highly efficient: the X-Series



Energy-saving.

Cut-out compatible.

Quick assembly.

UL-certified.



FLEXIBLE

- 6X1E covers a power range from 1000 W - 2,800 W
- 6X2E covers a power range from 2000 W - 4,500 W

NEXT GENERATION

Optimised control algorithm based on many years of experience

EXTREME

Remarkable „Real Energy Efficiency Ratio“ (REER)*

EXTENDED

RS 485 interface installed as standard enables communication via Modbus RTU protocol

EXACT

Very precise cooling with a tolerance of +/- 0.1 K



Benefits and competitive advantages for:

Control cabinet builders

It is extremely easy to select the right unit. Forecasting is made easier and a quick response to customer requests is made possible. No risk of undersizing or oversizing, as the cooling unit adjusts automatically.

Distributors

The drastically reduced variety of types facilitates stock-keeping and ensures accurate forecasts, short response times and improved delivery performance.

Service and maintenance

The units are available as standard. This enables fast replacement deliveries, extended downtimes and reduced downtimes, easy installation, as well as cut-out compatibility of the units.

Controller

The X-Series controller combines the functions of all Pfannen-berg controller versions. Improved energy efficiency through optimized control algorithm based on many years of application experience.

Energy-efficient

The compressor and fan usually operate in the partial load range and thus require significantly less energy. This forms the basis for calculating the *REER. Not only are the ambient temperature fluctuations calculated, as with the SEER, but also the load behavior of the application.

Inverter technology

Compressor and fan supply exactly the amount of cold that is needed. The temperature curve no longer has “jumps”, the temperature curve is strongly smoothed.

Overheating and undercooling are safely avoided and cabinet components are protected.

Industrial design

Housing made of robust sheet steel in standard color RAL 7035.



Quick assembly

Easy assembly due to the patented Pfannen-berg “click & fit” method. Assembled and ready for use within a few minutes.

UL-certification

The global quality symbol is regarded as reliable proof of the safety of the X-Series.

Machine and plant builders should always pay attention to the corresponding certifications for the components used.



Extended lifetime

Due to the speed-controlled components, the service life is significantly increased in part-load operation.

In addition, the fouling of the condenser is reduced, which extends the maintenance intervals.

Long airflow

Perfect airflow through the control cabinet: the large distance between the cold air outlet (bottom) and the warm air inlet (top) prevents hot-spots on components that are subject to particularly high loads. Air short-circuiting is thus virtually eliminated.

Furthermore, the aerodynamic optimization generates a high air performance.

Cut-out compatible

Perfect interchangeability with the Green Series and older Pfannenberger cooling units by using the same installation cut-out.

Such an exchange allows the implementation of energy-saving measures.

Save energy now!

You want to calculate your energy saving potential with support of the REER?*

Please contact our Salesteam or the product manager cooling units, Christoph Kaehler directly:

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