

Press release

ebm-papst Mulfingen GmbH & Co. KG

Intelligent and cost-saving
EC centrifugal fan line for air-conditioning units

For use in room air technology units, precision air-conditioning units and climate cabinets, ebm-papst Mulfingen offers an energy-saving and low-noise fan line in EC technology.

This line comprises continuously speed-controllable EC centrifugal fans with diameters ranging from 310 to 630mm and with integrated electronics.

As is standard with the entire EC-SYSTEMS range of ebm-papst products, these fans, too, offer comfortable open and closed loop control options that can be easily adjusted to the open and closed loop control electronics of the air-conditioning units. Planning and project engineers get the non-dimensioned characteristic numbers and the data for integration into their design programme. As the speed of these fans can be controlled, it is also easy to adjust the airflow of these fans to what is actually needed. The integrated PID control in the commutation electronics facilitates the installation of a pressure constant or airflow constant system. At the same time, the ebm-papst Bus interface RS 485 serves as the interface to the central unit.

The fans are absolutely easy to install. As they are compatible with conventional fans, they can be directly connected to the AC voltage mains respectively the 3-phase mains (50 and 60 Hz). Additional components have no longer to be taken into account. As ebm-papst provides you with the complete motorised impeller unit, integrating it in your system is absolutely no problem and easily accomplished.



Centrifugal fan R3G 630 with integrated electronics for use in air-conditioning units and in room air technology systems.



Application example: Air-conditioning system made by Weiss