

\* The RQM MultiEvo achieves up to 15% higher efficiency than the market leading conventional EC/PM plug fans.

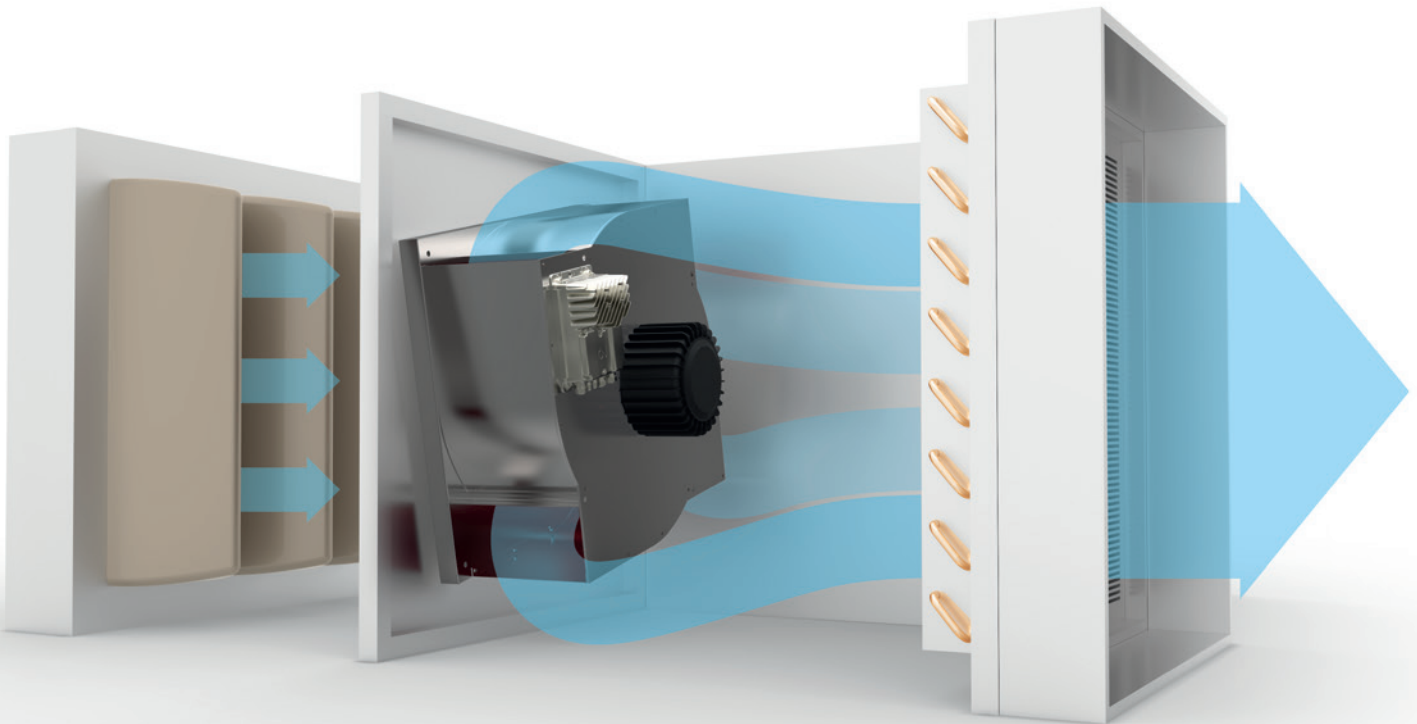
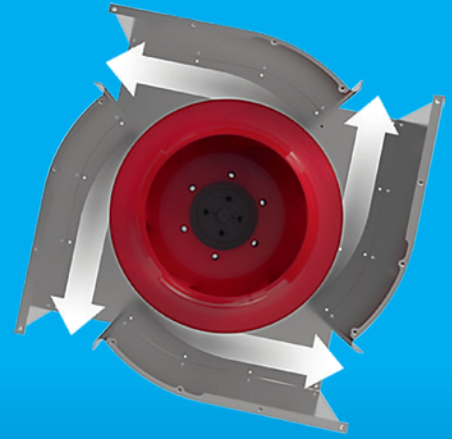
# THE RQM MULTIEVO.

EVERY REVOLUTION NEEDS A PIONEER.

- Exceptionally **economical**
- Simply **compact**
- Completely **hygienic**

## WHAT IS MULTIEVO?

MultiEvo technology consists of a multiple discharge integrated scroll providing the highest achievable system efficiency in new technology. The combination of impeller, motor and multiple scroll delivers unparalleled energy efficiency. A hybrid revolution.



## HYBRID IS THE FUTURE

The new RQM MultiEvo combines the compact design of plug fans with the benefits of traditional cased fans. In principle, it is a directly driven centrifugal fan with spiral shaped guide vanes. The unique design of the multiple discharge scroll far exceeds the efficiency levels of conventional EC plug fans.

## FOR CLIMATE CONTROL AND VENTILATION

The RQM MultiEvo is ideally suited for both new equipment and retrofit and delivers a low lifetime cost.

- Plug and play installation
- Retrofit: Modernize and save

## APPLICATIONS

- Air Handling Units
- Data centres, clean rooms, commercial buildings, refurbishment

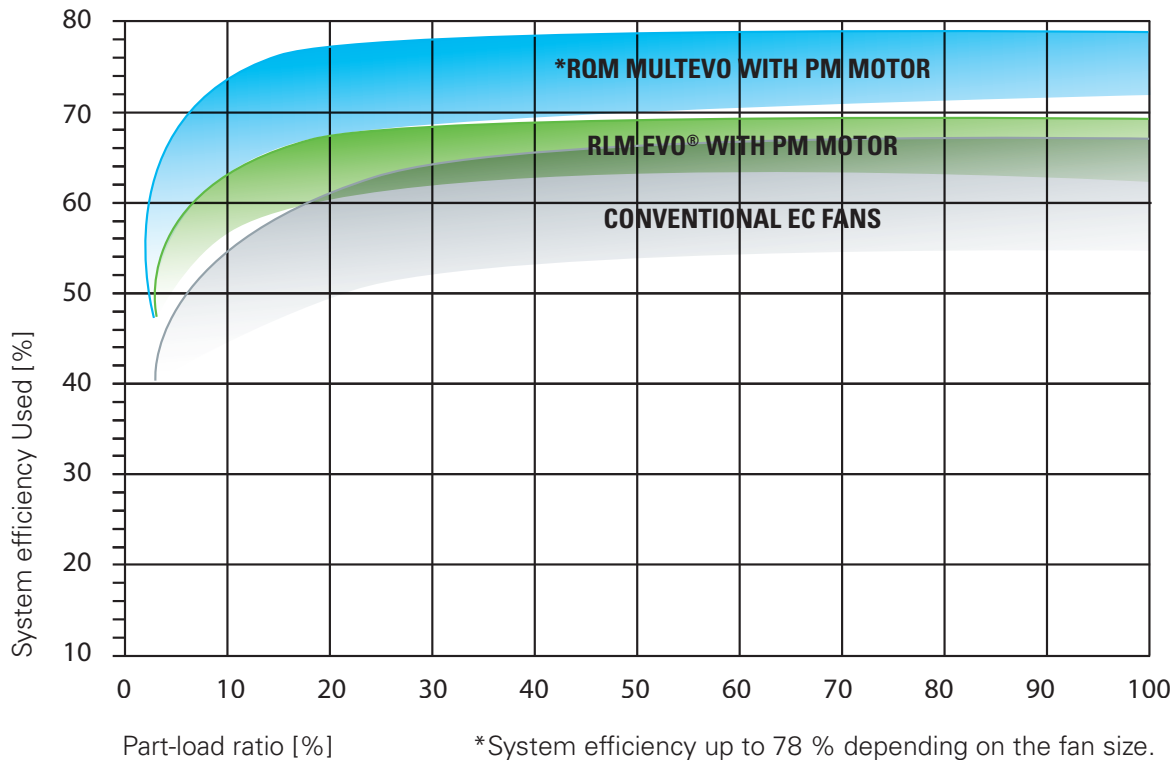
The RQM MultiEvo is also particularly well suited for creating multiple fan configurations within a common plenum.

## BENCHMARK – UP TO 78% SYSTEM EFFICIENCY

The RQM MultiEvo achieves up to 15% higher efficiency than the market leading EC plug fan (RLM-Evo). The measured system efficiency levels reach values of up to 78% (system = fan, motor and drive).

And: Depending upon the duty point, the noise levels of the RQM MultiEvo are up to 4dB lower than conventional EC plug fans.

Here is the proof – go to ILK Dresden’s independent test report. [www.rqm-multievo.com](http://www.rqm-multievo.com)



## ADVANTAGES OF THE RQM MULTIEVO

### ECONOMICAL

The outstanding efficiency levels makes it possible to reach the optimal duty point of a system with a lower motor power rating or even a smaller fan. Just plug in and switch on. Each system solution comes parameterized and ready for operation – including a prior functional test and test run. That saves time and money.

### COMPACT

Horizontal or vertical: Install the RQM MultiEvo with integrated electronics directly to the floor, wall or ceiling – without having to install the inverter separately outside of the system. An unshielded power supply cable is required for the connection. The plug and play design keeps installation costs to a minimum, enabling easy maintenance and servicing.

### HYGIENIC

Regular inspections of AHUs require absolute cleanliness. For this reason, when designing the RQM MultiEvo, we have taken care to ensure that the impeller is easy to clean via the guide vanes or the optional opening flaps. It can't be simpler.

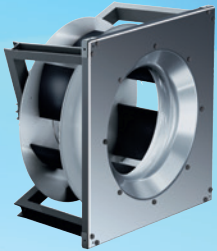
## PRODUCT RANGE

- Permanent magnet motor to IE5
- Impeller sizes from 280 to 900 mm
- Motor output from 1.4kW to 18kW
- Maximum pressure up to 2000 Pa
- Air volumes up to 40.000 m<sup>3</sup>/h
- Integrated electronics
- Optionally available with base frame from size 450



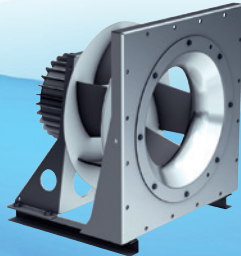
\*System efficiency up to 78% depending on the fan size.

## OTHER FANS FOR CLIMATE CONTROL AND VENTILATION TECHNOLOGY



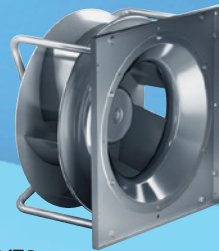
### RLM E3

Controlled with frequency inverter or fitted electronics



### RLM E6

Controlled with frequency inverter or fitted electronics



### RLE E3/E6

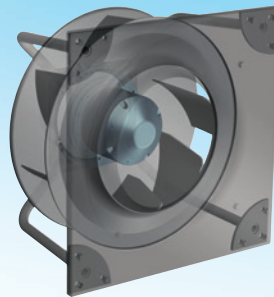
Controlled with integrated electronics

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### PFP

Controlled with integrated electronics

### APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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