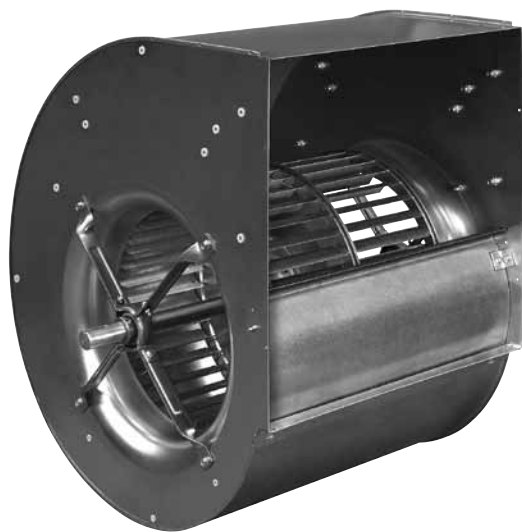


# Working towards perfection



## The ADH E and ADH series

By further developing sizes 0160 to 0560 of our successful ADH model range, we have created a product series which boasts a whole host of improvements. The result is the ADH E generation, one which will overcome the challenges of any application.

During development, we paid particularly close attention to four factors: air volume flow, pressure, energy efficiency and noise. These aspects are the key to success: all of the models are on a par with or superior to their predecessors in terms of these parameters.

### New choice of models

Whether you are looking for single or twin fans, the new ADH E series offers impressive further improvements in terms of functionality and potential uses, whatever the application.

### The ultimate in compatibility

Minimised design effort for you means that:

- ▶ All accessories and equipment are carefully coordinated and compatible to further product ranges like RDH E / RDH (backward curved centrifugal fans) and RZR (hollow-airfoil blade geometry).
- ▶ The connection dimensions for ADH E (sizes 0160 to 0560) are identical with the corresponding models from the ADH range.
- ▶ The models for sizes ADH 0630 to 1000 remain unchanged.
- ▶ All ADH E models up to size 0500 are compatible with the new compact base frame – a unique feature which makes completing your system ultra simple and affordable!

### Top quality for performance and a long service life!

Alongside an intelligent construction, aspects such as the quality of materials and workmanship play a crucial role in ensuring a long life cycle. That's why we have made the casing of the new ADH E even sturdier by means of a standing seam construction. In addition to this, the way in which the blades are attached to the impeller has been optimised and the shafts have been galvanised for more effective corrosion protection – further factors which significantly increase the service life of this range.



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# The product range at a glance

## The technical specifications of the ADH E and ADH series

The standard series are designed for permanent ventilation at up to +80 °C resp. +100 °C. The specifications conform to accuracy class 2 according to DIN 24166.

### ADH E and ADH G2E series

- Sizes 0160 up to 0560
- Scroll of galvanized sheet steel with standing seam and straight cut off
- New cylindrical impeller with forward-curved blade geometry
- Galvanised shaft
- Volume up to 120.000 m³/h
- Pressure up to 2.200 Pa






### ADH and ADH G2 Series




- Sizes 0630 up to 1000
- Lap jointed scroll of galvanized sheet steel with Pittsburgh-Seam and V-cut off
- Volume up to 300.000 m³/h
- Pressure up to 1.800 Pa

## The ADH E and ADH range of models:

The right fan for every specification!

Depending on the fan size, the ADH E and ADH series have up to 5 mechanical versions of the single fan and up to 4 additional twin fan options. In this way, we ensure that we have the perfect model for all requirements and any application.

Version	Description	Figure
ADH E0 / ADH L	Lap jointed scroll without feet and discharge flange. Light duty bearing execution with pressed steel housing/strut assemblies.	
ADH E2 / ADH R	Lap jointed scroll with rectangular side frame, without discharge flange. Light duty bearing execution with pressed steel housing/strut assemblies.	
ADH E4 / ADH K	Lap jointed scroll with heavy duty reinforced side frames, without discharge flange. Medium duty bearing execution with cast iron pillow block, mounted on a robust pedestal.	
ADH E6 / ADH K1	Lap jointed scroll with heavy duty reinforced side frames, without discharge flange. Medium-heavy duty bearing execution with cast iron pillow block, mounted on a robust pedestal.	
ADH E7 / ADH K2	Lap jointed scroll with heavy duty reinforced side frames, without discharge flange. Heavy duty bearing execution with single-piece resp. split-type plummer block, mounted on a robust pedestal.	

Version	Description	Figure
ADH G2E0	The two single fans ADH E0 or ADH L are fitted together to a robust assembly by means of 3 U-channels. Both impellers are fitted on a common shaft supported by 3 bearings.	
ADH G2E2 / ADH G2R	The two single fans ADH E2 or ADH R are fitted together to a robust assembly by means of 3 angle bars. Both impellers are fitted on a common shaft supported by 3 bearings.	
ADH G2E4 / ADH G2K	The two single fans ADH E4 or ADH K are fitted together to a robust assembly by means of 3 angle bars. Both impellers are fitted on a common shaft supported by 3 bearings (sizes 0250/-0630) or the fans have separated shafts being connected by a elastic coupling (sizes 0710/-1000).	
ADH G2E7 / ADH G2K2	The two single fans ADH E7 or ADH K2 are fitted together to a robust assembly by means of 3 angle bars. Both impellers are fitted on a common shaft supported by 3 bearings (sizes 0250/-0630) or the fans have separated shafts being connected by a elastic coupling (sizes 0710/-1000).	