

► Air terminal devices ►►



**Quiet.  
Lightweight.  
Elegant.**

**AIRNAMIC**

**TROX<sup>®</sup> TECHNIK**  
The art of handling air

## ► Efficient and proven ►►

### TROX AIRNAMIC swirl diffusers

Since the AIRNAMIC was launched in 2011, the stylish and innovative design of the new AIRNAMIC type stood out. The three-dimensional slat construction made of high-quality ABS plastic was not only visually impressive, but also offered a whole range of product advantages.

### Pleasantly quiet

The three-dimensionally curved air control blades ensure minimal pressure losses and extremely low noise characteristics.

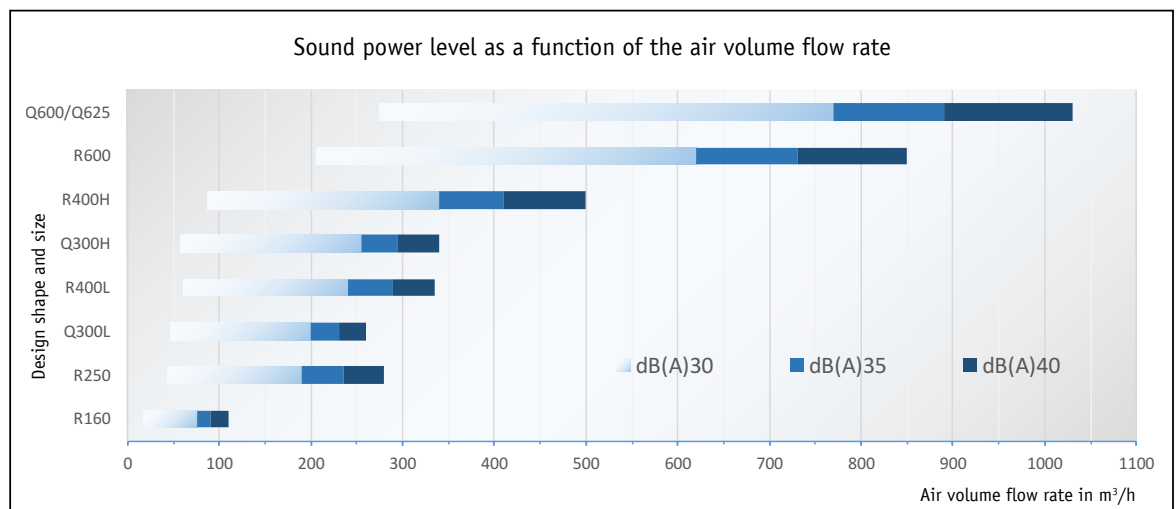
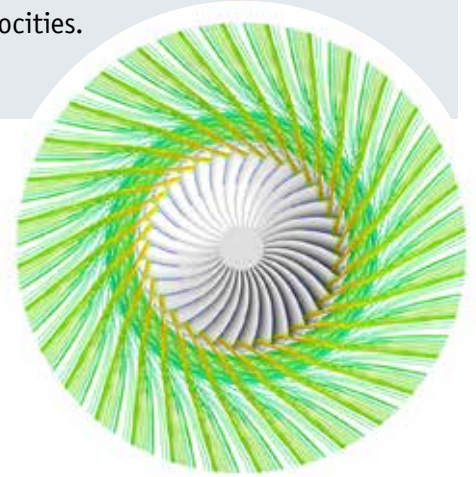
At a volume flow rate of 750 m<sup>3</sup>/h, for example, the sound power level of an AIRNAMIC Q/600 is only 30 dB(A). This means that the air-regenerated noise is virtually inaudible in a normal office environment.

### Powerful and energy-efficient

In addition to reducing the noise level, the three-dimensionally twisted air control blades ensure optimum swirl generation even at high volume flow rates.

The combination of low pressure losses with high induction leads to a noticeable reduction in energy demand.

The air control blades of the AIRNAMIC ensure maximum comfort through homogeneous air supply and the rapid reduction of temperature differences and airflow velocities.



## ► New sizes for small rooms ►►

### Small and effective

A new addition to the portfolio are the compact, circular assemblies of the AIRNAMIC swirl diffuser with a diameter of 160 and 250 mm. They top off the program and expand the range of applications, as well as being particularly suitable for ventilating small rooms and narrow corridors and especially easy to install in plasterboard ceilings.

The small nominal sizes are based on the same principle of operation and, like their "larger variants", they have a three-dimensional blade contour made of ABS. The serrated edge also helps to improve acoustic performance.

### Easy, fast installation

In conjunction with a newly developed spigot, unit assembly, cleaning and maintenance are significantly easier and faster.

It's as simple and fast as this:

1. Create an installation opening with a hole saw
2. Fix the spigot into place at three fixing points
3. Mount the diffuser face without tools using a bayonet fixing. Done!



### Did you know...

that no air terminal device can be installed more quickly in a wide variety of ceiling types than the compact assemblies of AIRNAMIC? And the clever construction style with a flat tapered edge enhances the aesthetics of every ceiling and every room.





## ► Smart technology for quiet air ►►

### **Non-visible, but effective**

The new sizes have extended the range of application for the AIRNAMIC, with an efficient design inspired by bionic systems.

The acoustic characteristics of the swirl diffusers are further optimised by integrating a sawtooth edge on the inner blade contour.



### **Nature as a model**

This serrated contour provides a 5 dB reduction in sound power level. In practice, this means that the downstream air is hardly audible acoustically even at high volume flow rates.

This design feature is comparable to the wings of an owl, which, by spreading its feather tips, is able to surprise its prey with a silent approach.



## ► Product advantages ►►

### AIRNAMIC swirl diffusers

The extended product range has many distinct advantages:

- Aesthetic design uniformity for every volume flow rate and room size
- Elegant ceiling appearance due to flat construction (max. 3 mm)
- Wide range of applications with volume flow rates from 16-1,386 m<sup>3</sup>/h
- Fast reduction of temperature differences and airflow velocities due to high induction
- Maximum comfort level even with high air change rates
- Quick and easy installation with plenum box or spigot
- No tools required to assemble the diffuser face for unit sizes 160 and 250
- Easy handling and installation due to lightweight design
- High energy efficiency due to minimal pressure losses
- Can be painted in specified RAL colours on request



#### Technical data

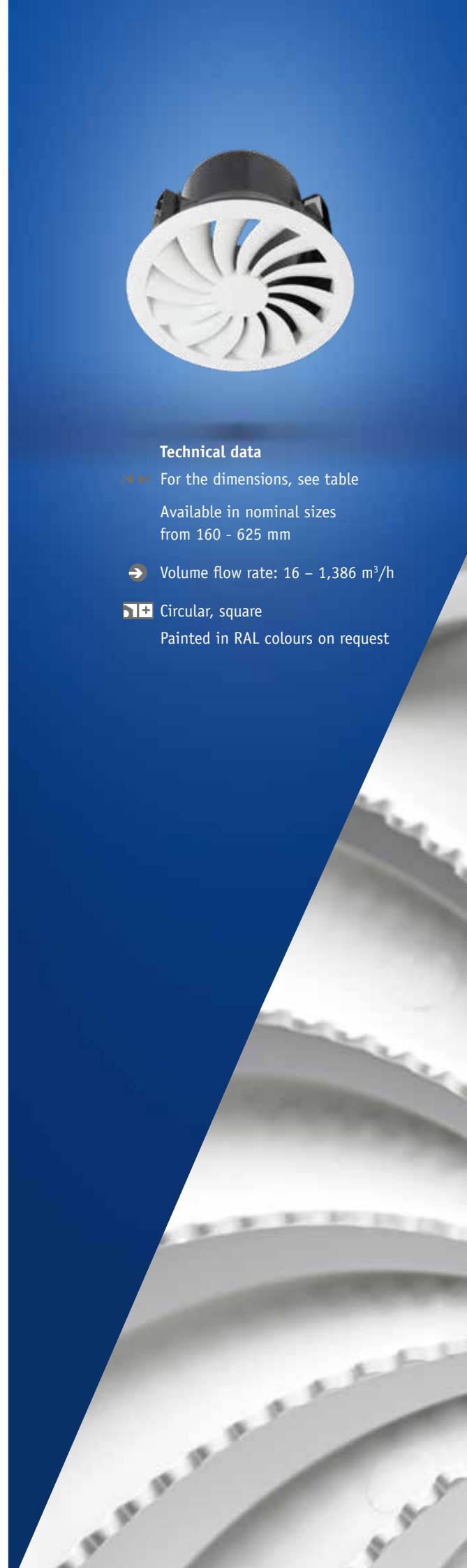
►► For the dimensions, see table

Available in nominal sizes  
from 160 - 625 mm

➔ Volume flow rate: 16 – 1,386 m<sup>3</sup>/h

►+ Circular, square

Painted in RAL colours on request





# TROX<sup>®</sup> TECHNİK

The art of handling air

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