



## K Circular Duct Fans

### High Quality radial fan for circular ducts

- Available with AC and EC motors
- Indoor and outdoor installation
- Reliable and airtight
- Mounting bracket included
- Noise and energy optimized impeller

[Find more details in our online catalogue](#)

#### Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

#### Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

#### Performance

**Sound optimized** radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

#### Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

### Certifications



#### Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



#### Green Ventilation

Our very own environmental performance benchmark guides you toward the most sustainable solutions within our portfolio. Only products which meet a set of easily verifiable minimum requirements in terms of energy efficiency, indoor air quality, safety, and the like are entitled to receive the Green Ventilation™ label.



#### Eco Platform: EPD Verified

This product comes with an Environmental Product Declaration (EPD), published by EPD Norway, a global EPD program operator and member of the ECO Platform (<https://www.eco-platform.org/who-is-participating.html>). Compliant with ISO 14025 and EN 15804, Systemair EPDs support Life Cycle Assessments (LCAs) in all markets where the product is used. Scroll down to download the EPDs.

## Features

### Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

### Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

### Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

### Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

### Control

**EC motor** with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

**AC motor** can be controlled by **5-step** or **stepless** speed regulator.

### Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct. Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.