



Howden



K-series axial fans



K-series axial fans are designed for application in factory assembled cooling towers and air-cooled heat exchangers. This is a pure Howden quality product, with superior performance at lowest power consumption and with timesaving features.

K-series fan blades, with the innovative “Aerotip” (patented) and the radius-cut inboard edge, have been designed for a high power recovery providing excellent aerodynamic performance.

The resilient and damped connection of the fan blades to the hub guarantees the fan will operate smoothly and silently without vibration problems.

Howden Cooling Fans
The Netherlands

Tel: +31 74 255 6000
Fax: +31 74 255 6060

Web: www.howdencoolingfans.com

K-series axial fans features



*Top: Assembly of
the K-series fan*

*Bottom: KNF fan in
our parallel test unit.*



Advantages

- Assembly of a complete fan in 15 minutes.
- Blades can be assembled onto the hub in any sequence.
- Blade pitch angles are factory pre-set to match customers' actual duty points.
- No need to re-pitch blades after start-up due to reliable fan selection data.
- Easy fan diameter reduction for out-of-tolerance fan casings.
- Reduced vibrations transmitted to cooler structure.
- Variable frequency drives (VFDs) can be used at any speed, except at cooler structure's natural frequency.

Features

- Fan diameters range from 5 ft. to 16 ft. K-series fans are designed for operation in both horizontal or vertical position.
- Standard operating temperature range from -46°C to $+120^{\circ}\text{C}$ (-5°F to $+248^{\circ}\text{F}$).
- Extruded aluminium master-balanced fan blades are supplied pre-assembled.
- Resilient and damped connection of the K-series fan blades to the hub.
- High quality carbon steel fan hub for fitting to drive shaft with either a cylindrical bore or taper-lock bushing.
- Steel parts are cataphoresed (as for automotive suspension components) or powder coated for high-grade corrosion protection.
- Fan is packed in one box per cooler.