

ECOTM heat transfer
coolers



KCE-K

AIR COOLED CONDENSERS



Engineering a Cleaner, Healthier World

KCE-K AIR COOLED CONDENSERS

Range	Type	Fan diameter	Number of fan motor rows	Number of fan motors per row	Fan motor connection	Noise level	Coil rows	Module	Tubes per circuit	Air direction
KCE	K	8	2	4	D	N	4	R	02	V
	K = Condenser	5 = 500 mm 6 = 630 mm 7 = 710 mm 8 = 800 mm 9 = 910 mm	from 1 to 2	from 1 to 4	D = Delta S = Star M = Single-phase E = EC 3-phase F = EC 1-phase	N = Normal M = Medium L = Low S = Silent	from 2 to 5	M N P R S T	from 1 to 99	H Horizontal V Vertical

The **KCE-K** condensers have been developed to meet a wide range of applications in the air conditioning and refrigeration sectors.

This range, thanks to the innovative design concept that has led to the definition of new optimized and modular components, is ready to respond to future developments in energy directives. The KCE-K project is inspired by the F-GAS regulation which define the use and reduction of fluorinated gases (HFCs). The range is built in accordance with the ErP 2015 directive.

The high heat dissipation capacity, low noise, and reduced refrigerant quantity required make KCE-K a benchmark in the market.

The high-efficiency heat exchangers used in these condensers are made from special "AIR INTAKE" profile and copper tubes with internal grooving. They are supplied charged with dry air at 2 bars. The fin spacing is 2,1 mm.

The KCE-K range can be equipped with traditional AC external rotor fan motors or electronically commutated EC fan motors.

It is possible to install diffusers and combined air handling systems of the latest generation.

The standard fan motors proposed vary according to diameter and speed:

- Ø 500 mm (poles) 4, 6, 8,
- Ø 630 mm (poles) 4, 6, 12;
- Ø 710 mm (poles) 4, 6;
- Ø 800 mm (poles) 6, 8, 12
- Ø 910 mm (poles) 6, 8, 12;
- three-phase 400V/3/50Hz dual speed (Delta/Star);
- die-cast aluminum or hybrid aluminum/technopolymer blades, with optimized sickle profiles;
- protection grade: IP 54;
- thermal insulation class: 155;
- Internal thermal contact protection;
- protection grilles in steel treated with epoxy paint.

The fan motors and casing are set for grounding.

On request the models can be supplied with non-standard heat exchangers and fan motors.

The KCE-K series has been completely optimized to make model selection easier, while ensuring a wide range of available construction options.

To select the most suitable model for your needs, we invite you to use our selection software "**Scelte**," both in "SELECTION" mode to choose the best model based on project specifications and in "VERIFICATION" mode to know all the characteristic data of a known model.

The program quickly suggests all variables and installable accessories.

For special applications and additional information, please contact our "Coolers Application Engineering" team.

Scelte
SELECTION SOFTWARE

www.modineselect.com

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