

ECOTM heat transfer
coolers



KCE-S

GAS COOLERS



Engineering a Cleaner, Healthier World

KCE-S GAS COOLERS

"From an ecological point of view, CO₂ is a superior alternative to environmentally damaging hydrofluorocarbons (HFCs), as well as being non-flammable, non-toxic and less expensive. Modine designs and manufactures CO₂ units suitable for all your application needs"

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	S	8	2	4	D	N	4	A	02	V
	S = Gas cooler	5 = 500 mm 6 = 630 mm 7 = 710 mm 8 = 800 mm 9 = 910 mm	from 1 to 2	from 1 to 8	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 6	A - B C - D E - F G - H L	from 1 to 99	H Horizontal V Vertical

The **KCE-S** gas coolers 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-S project is inspired by the F-GAS regulation which defines the use and reduction of fluorinated gases (HFCs).

The superior heat dissipation, compact design and reliable, low-noise operation position KCE-S as a market benchmark.

The high-efficiency heat exchangers used in these gas coolers are made with aluminum fins with optimized profile and special copper tubes. They are supplied charged with dry air at 2 bars. The fin spacing is 2,1 mm.

KCE-S units are equipped with EC electronically commutated motors.

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

The standard EC fan units that equip the entire range are available in the diameters and with the characteristics listed below:

- Ø 500 mm;
- Ø 630 mm;

- Ø 710 mm;
- Ø 800 mm;
- Ø 910 mm;
- Ø 1000 mm;
- three-phase 400V/3/50Hz;
- die-cast aluminum or hybrid aluminum/technopolymer blades, with optimized sickle profiles;
- protection grade: IP 54;
- thermal insulation class: 155;
- 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-S 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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