

# Modular Full DC Inverter Chillers



KCCHT-06 MODBUS  
Standard

Technical documentation	Download
User Manual	<a href="#">PDF</a>
Controller Manual	<a href="#">PDF</a>
Declaration of Conformity	<a href="#">PDF</a>
Dimensions	<a href="#">PDF</a>
Installation diagrams	<a href="#">PDF</a>



Basic modules

Model		KEM-90 DRSS
Cooling capacity rated	kW	82
EER		2.95
SEER		4.58
Nsc		177
Heating capacity rated	kW	90
Heating input rated at -7°C	kW	70.2
COP		3.20
COP at -7°C		2.68
SCOP average zone, Water 35°C - Energy class		3.97 - A++
Nsh		156
Compressor type		Scroll Inverter
No. compressor		2
Type refrigerant		R-32
t CO <sub>2</sub> eq	tCO <sub>2</sub>	10.80
Refrigerant charge	kg	11,5 / 4,5
No. fans		2
Air flow	m <sup>3</sup> /h	35000
Sound pressure	dB(A)	65
Width / Height / Depth	mm	1135 / 2315 / 2220
Net weight	kg	635
Power supply	V/ph/Hz	380-415/3/50
Max. intensity	A	60
Water pipe connections	inch	2"
Water flow rated	m <sup>3</sup> /h	15

Basic modules with hydraulic kit

Model		KEM-90 DRSS KH*
Volume of expansion tank	l	12
Available pressure	kPa	150

The data in heating mode at -7°C are calculated working with water at +35°C.

**Cooling capacity. Cooling input. EER:** Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.

**Heating capacity. Heating input. COP:** Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.

**SEER. SCOP:** Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input ≤ 400 kW under specified reference conditions).

**Sound pressure:** Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature = 35°C.

**Supplementary charge:** For units with R-32 gas and a charge > 11.5 kg per circuit, the remaining charge must be applied on site.