

Z5 - Dane techniczne agregatu wody lodowej

Cooling mode performances

Cooling capacity	166.8 kW	Evaporator water IN/OUT	12.00 °C / 7.00 °C
Power input	65.72 kW	Evaporator water flow	8.900 l/s
EER Cooling Efficiency	2.537 kW / kW	Evaporator pressure drops	49.5 kPa
		Ambient temperature	32.0 °C
IPLV.IP	4.720 kW / kW	Lw / Lp @ 1m	86 dB(A) / 68 dB(A)
SEER / ηs	4.19 / 164.6%	Evaporator fluid	Ethylene glycol 35%
SEPR	5.3	Evaporator fouling factor	1.76E-05.000 m²°C/W

SEER declared according to EN14825, fan coil application 12/7°C (inlet/outlet) water temperatures. SEPR declared according to EN14825:2018, high temperature process cooling application. Sound power level according to ISO 9614-1. IPLV.IP and seasonal efficiency data generally refer to standard unit without options

Unit information

Compressor type	Scroll	Refrigerant type	R32
Capacity control	Step	Condenser type	Microchannel
Compressor N°	2	Condenser fans N°	10
Circuit N°	1	Condenser fans control	Phase cut
Refrigerant charge	12 kg	Altitude	0 MSL
Nominal air flow	11122 l/s	Evaporator type	Brazed plate

Actual refrigerant charge depends on the final unit construction, refer to unit nameplate.

Electrical information

Power supply	400 V / 50.0 Hz / 3 Ph	Max. inrush current	464 A
Running current	110.92 A	Compressor starting method	Direct on line
Max. Running current	134 A		
Max. current wires sizing	147.4 A		

Voltage tolerance ± 10%. Phase Voltage unbalance ± 3%. Electrical data referred to standard unit without options, refer to unit name plate data.

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Acoustic information

Sound pressure level at 1 m from the unit (rif. 2 x 10 ⁻⁵ Pa)								
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	db(A)
61.6	66.5	65.8	63.4	62.6	60.4	57.7	52.0	67.7

Values referred to Evap. IN/OUT 12/7°C and 35°C Amb., full load operation, standard unit configuration without options. Sound pressure level calculated from sound power level. Sound pressure in octave band is for information only and not considered binding.

Physical information

Evap. connections size	76.1 mm	Length	3780 mm
		Width	1204 mm
Weight shipping/operating	1076 kg / 1088 kg	Height	1822 mm

Information referred to standard unit configuration without options, refer to certified unit drawing.

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Certification notes



Certified in accordance with Eurovent Certification Program: Liquid Chilling Packages and Heat Pumps (LCP-HP). Standard ratings are specified in the section "Rating requirements" of the Rating Standards. All standard ratings are verified by tests conducted in accordance with the following standards: EN 14511-3:2013 (performance testing) and ISO 9614 (acoustic testing).

Outside the scope of AHRI Air-Cooled Water-Chilling Packages Certification Program or not optionally certified, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).

General notes

For more information about the above selected product, please go to <http://www.daikineurope.com/industrial/>. Unit performances are reproducible in laboratory test environment only in accordance to recognized industry standards. This technical data sheet is generated by Daikin Applied Tool software designed and distributed by Daikin Applied Europe S.p.A. The present software does not constitute an offer binding upon Daikin Applied Europe S.p.A who compiled the content of this software to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Product images are indicative only and are intended for illustrative purposes only; pictures may be differed from the ordered product and are subject to change without prior notice. Daikin Applied Europe S.p.A. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this document. All content is copyrighted by Daikin Applied Europe S.p.A.