Aquantia XL

KCCHT-06 MODBUS
Standard

Technical documentation	Download
User Manual	PDF
Controller Manual	PDF
Declaration of Conformity	PDF

R-290 REFRIGERANT · HIGH TEMPERATURE · DOMESTIC HOT WATER · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN · OUTDOOR INSTALLATION · MODBUS · ON/OFF CONTACT · MODULAR

		Basic modules		
Model		**KEM-50 DPS6**	**KEM-60 DPS6**	**KEM-70 DPS6**
Cooling capacity rated	kW	50	60	65
EER		3.30	3.00	2.80
SEER		4.85	4.80	4.70
Nsc		191	189	185
Heating capacity rated	kW	50	60	70
COP		3.80	3.52	3.35
SCOP average zone, Water 35°C - Energy class		4.70 - A+++	4.60 - A+++	4.50 - A+++
Nsh		185	181	177
Compressor type		Scroll inverter	Scroll inverter	Scroll inverter
No. compressor		2	2	2
Type refrigerant		R-290	R-290	R-290
t CO_2eq	tCO_2	0.02	0.02	0.02
Refrigerant charge	kg	2.8*2	2.8*2	2.8*2
No. fans		2	2	2
Air flow	m^3/h	28670	28670	28670
Sound pressure	dB(A)	80	84.4	86.7
Sound power	dB(A)	80.1	82.7	84.8
Width / Height / Depth	mm	960 / 2000 / 1880	960 / 2000 / 1880	960 / 2000 / 1880
Net weight	kg	560	560	560
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
Max. intensity	A	80	80	80
Water pipe connections	inch	2"	2"	2"
Water flow rated	m^3/h	8.6	10.3	12.0

Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2022 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 14511:2022 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 14825:2018 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.
PRELIMINARY DATA.

Aquantia XL

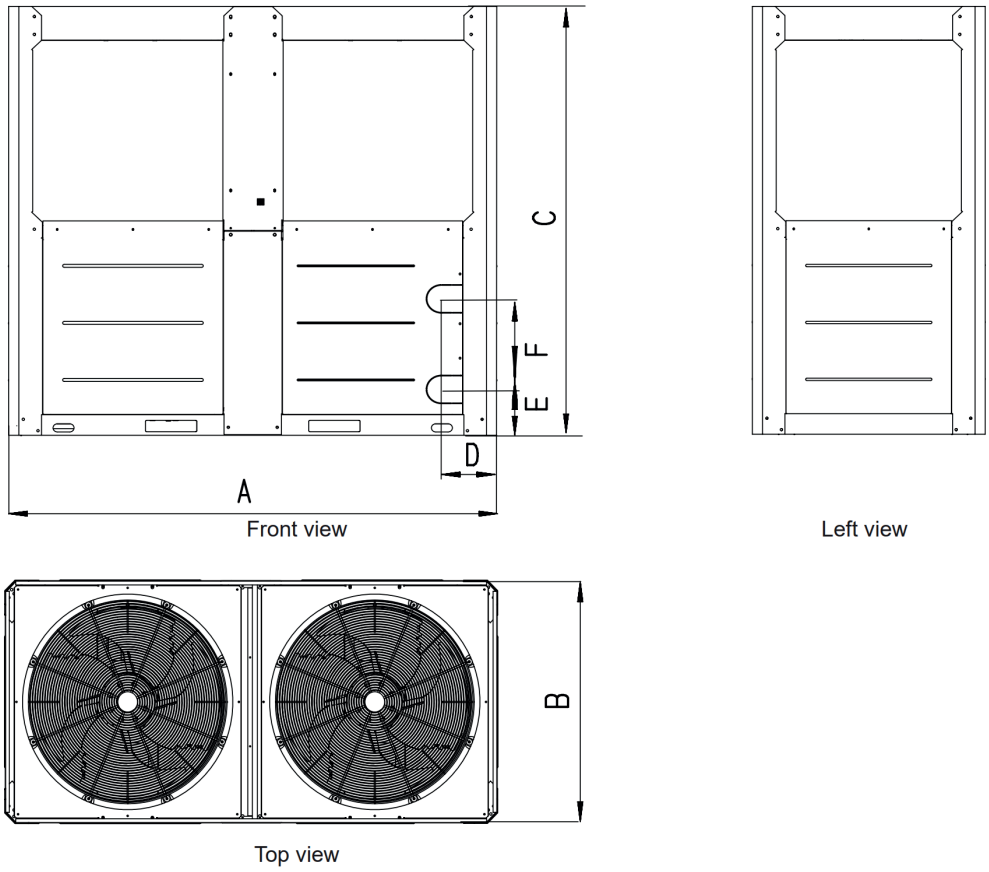

Fig. 2-1 Outline dimensional

Table 2-1

Model	50/60/70kW
A	2 000
B	960
C	1 870
D	226
E	200
F	397