

30KAV 0800

Air-cooled chiller with variable-speed screw compressor

Performance information(Ready for test)

Mode		Cooling
Cooling Capacity (1)	kW	791
Cooling Efficiency (COPR) (1)	kW/kW	10.3
Unit Power Input (1)	kW	262
Sound Power Level (LwA) (1)	dB(A)	92
Sound Pressure Level at 10.0 m (LpA) (1)	dB(A)	60
Minimum Capacity (2)	kW	134
Maximum Capacity	kW	791

- (1) All performances are compliant with EN14511 – 3 : 2018. Sound power level according to ISO9614 – 1.
(2) Due to the minimum flow rate allowable, a lower inlet water temperature might have to be specified to achieve this performance.

Operating conditions(Ready for test)

System element		Cooling
Water heat exchanger		
Fluid	Fluid Type	Fresh Water
	Fouling Factor (sqm-K)/kW	0.00
	Leaving Temperature °C	7.0
	Entering Temperature °C	12.0
	Fluid Flow L/s	37.7
	Total Pressure Drop kPa	39
Air heat exchanger		
Entering Air Temperature	°C	35.0
Altitude	m	0



Non contractual picture

Seasonal efficiency(WIP)

Allowed applications for CE mark:

Comfort Cooling : T>=2°C*	SEER 12/7°C ηs cool	5.15 203
Comfort Cooling : T>=13°C*	SEER 23/18°C ηs cool	5.51 217
High Temp. Process Cooling : T>=2°C*	SEPR 12/7°C ηs cool	6.69

- (3) All data related to seasonal efficiency are given for standard units and main options (Brine, pump, energy efficiency...).



* ECODESIGN Compliant per (EU) N°2016/2281

Unit information(Ready for test)

Refrigerant Weight	kg	152
Tonnes CO2 Equivalent	Tonnes	479197
Fan Air Flow	l/s	0.0
Operating / Shipping Weight	kg	6085/6021
Unit Dimensions (LxWxH)	mm	6772x2262x2324

Electric information(Ready for test)

Unit Voltage	V-Ph-Hz	400-3-50
Standby Power	kW	0.4
Power Factor		0.92
Electrical Circuit		Circuit 1
Maximum Current	A	561
Start Up Current	A	<RLA

Documentation(Ready for test)

	PSD
	IOM
	Technical drawing
	Revit file