

SECTION 2



Quotation nr.

OFF-01202-T8G9Y1 15/06/2026

Air-Cooled Water Chiller unit model

GCE 35AG-50-IEC-400-AT3-FS**Technical Data****Data used for the selection**

Frequency	400V/3Ph/50Hz	
Ambient temperature	35	[°C]
Leaving fluid temperature (LWT)	15	[°C]
Delta T	5	[K]
Required cooling capacity	33,9	[kW]
Type of refrigerant	R32	GWP= 675
Type of evaporator	Brazed Plates HE	-
Ethylen Glycol concentration	0%	[%]
Freezing point	0	[°C]
Altitude	0	[slm]
Water pump on board	3bar	[mod]

Unit Performance

Cooling capacity	33,9	[kW]
Compressors power input	9,2	[kW]
Fan power input	0,62	[kW]
Water pump power input	0,8	[kW]
Unit power input	10,59	[kW]
Fluid flow rate	5,83	[m³/h]
Evaporator pressure drop	0,25	[bar]
Available water pressure	3,08	[bar]
EER	3,45	[-]
SEPR HT (1)	5,30	[-]

Condenser section

Condenser type	Microchannel
Condenser protection (as option)	Epoxy polyester powder
Number of fans	1 [-]
Fans type	Axial [-]
Fan nominal speed	910 [rpm]
Fan diameter	630 [mm]
Fan control	AC ON/OFF [-]
Fan nominal power (each)	0,62 [kW]
Air flow (each)	10.000 [m³/h]
Available head pressure	40 [Pa]
Minimum ambient temperature	-5 [°C]
Maximum ambient temperature	43 [°C]

Evaporator section

Evaporator type	Brazed Plates HE [-]
Evaporator fluid flow rate	5,83 [m³/h]
Evaporator pressure drops	0,25 [bar]

Installation connections

Inlet/outlet hydraulic connections diameter & connection type	Threaded straight connection - 1"1/2 [inch]
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Note

- (1) Data declared in compliance with the European Regulation (EU) 2016/2281 with regard to Ecodesign requirements for cooling products and high temperature process chillers.
- (2) Average value obtained in a free field on a reflective surface at a distance of 10 m. It refers to the operation of the unit under full load in nominal conditions. If the unit is equipped with EC fans, the value refers to a unit not ducted. Determined on the basis of measurements taken in accordance with the standard EN3744/EN3746. Values with a maximum tolerance +/- 3 dB.
- (3) Voltage : 400V ±10% / 3Ph+PE or 460V ±10% / 3Ph+PE

Chiller unit selected

Model	GCE 35AG
Fluid temperature range	From -5°C to +25°C
Type of refrigerant	R32
Type of evaporator	Brazed Plates HE
Water pump	3bar
Tank Type	Atmospheric
Tank Volume	90 l
Noise Level (2)	55 dB(A)
Compressors' sound reducing enclosure	-

Unit technical data

Compressor type	Scroll [-]
Compressor working logic	Fixed speed [-]
N° of compressors / n° of circuits	1/1 [-]
Capacity control	0-100 [%]
Type of refrigerant	R32 [-]
GWP (Global Warming Potential)	GWP= 675 [-]
Refrigerant charge	6,00 [kg]
Equivalent tons of CO ₂	4,1 [TCO ₂ eq]
Type of expansion valve	Electronic [-]
Length	1.200 [mm]
Width	850 [mm]
Height	1.715 [mm]
Net weight	195 [kg]
Operating weight	287 [kg]
Storage temperature (min./max.)	-25 / +50 [°C]

Electrical Data

Supply voltage (3)	400 V(3ph)
Supply frequency	400V/3Ph/50Hz [-]
Max total power input	14,0 kW
Max total current input	22,33 A
Auxiliary voltage	24V DC [-]
IP rating	54 [-]

Hydronic section

Rated pump motor power	0,8 [kW]
Available pressure of water pump	3,08 [bar]

Approvals

Electrical approvals	IEC
Pressure equipment approvals	PED 2014/68/UE

The information in this document is subject to change without notice.