Penmann
INNOVATIVE CLIMATIC SOLUTIONS FOR THE FOOD INDUSTRY

LOW GWP

WLA5D Chiller

Performance Data

Cooling capacity W20-15L32

W20-15L32	160 kW
Total absorbed Electrical power W20-15L32	40 kW
EER	4.00

Cooling Capacity W12-7L35

W12-7L35 (1)	127 kW
Total absorbed Electrical power (1) W12-7L35	40.7 kW
EER (1)	3.12
S.E.P.R. (P3)	5
Ambient temperature working limits	min -10 °C max 45 °C
Application	outdoor
Altitude above sea level	0 m
Outlet water temperature working limits	min 5 °C max 25 °C
Refrigerant	**R32**
Main power supply	400V/3Ph/50Hz
Secondaries power supply	24 Vac
Max absorbed electrical power (FLI) (4)	55.6 kW
Max absorbed current (FLA) (4)	A 95.4
Maximum inrush current (MIC) (4)	A 275.4

Compressors

Compressor type	Scroll 2
Number of refrigerant circuits	1

Fans

Fan	3
Fans type	AC
Air temperature	30°C
Fans part load	100%
Fan air flow	59838 m^3/h
Absorbed power at working point	4850 kW

Hydraulic

Chilled fluid	Water
Fluid freezing temperature	0°C
Chilled fluid inlet temp.	12°C
Chilled fluid outlet temp.	7°C
Fluid flow rate	21.84 m^3/h
Pressure drop	34 kPa
Head pressure available	300 kPa
Pump absorbed power	5.5 kW
Tank Volume	(I) 300

Physical Attributes

Width x Height x Depth	1135mm x 2178mm x 3546mm
Weight empty (4)	1200 kg
Hydraulic connections	UNI ISO228 2 x 2 1/2"gas
Sound pressure level (6)	55.8 dB (A)

(1) Nominal performance GROSS: the data do not consider the pump share, required to overcome the pressure drop for the solution circulation inside the exchangers.

(3) Data declared according to UNI EN 14511:2018.

(4) Data referred to standard units without pumps and tank; according to the installed accessories, the data can suffer some variations. For the definitive data please refer to the wiring diagram of the unit (supplied with the instruction manual of the unit).

(5) Flow rate value necessary for the flow switch calibration. If the optional electronic flow switch is not provided, the customer must provide a flow switch on the system, connect it to the electrical panel of the unit and calibrate it to the indicated value.

(6) Sound pressure level of a basic unit without options at full load and referred to the following conditions: evaporator fluid: 100% water, IN/OUT temp. = 12/7 °C, ambient temp. = 35°C. Average value in free field condition @ 10m distance on flat reflecting surface. Non-binding value obtained from sound power level according to EN ISO 9614 with a tolerance of +/- 3dB(A).

(7) Sound power level measured according to EN ISO 9614 with a tolerance of +/- 3 dB(A). Data of basic unit without options, full load and referred to the following conditions: evaporator fluid: 100% water, IN/OUT temp. = +12/+7 °C, ambient temp. = +35°C.

Still have a question?

Get in touch with one of our expert team today.

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