newsome
Process Cooling
HVAC & Dehumidification

WLA5D Chiller

LOW GWP

WLA5D

Performance Data

Cooling capacity W20-15L32

W20-15L32 ..... 160 kW
Total absorbed Electrical power W20-15L321 ..... 40.04 kW
EER 4.00

Cooling Capacity W12-7L30

W12-7L30 ..... 130 kW
Total absorbed Electrical power (1) W12-7L30 ..... 36.92 kW
EER 3.52
S.E.P.R. (P3) ..... tbd
Ambient temperature working limits ..... min -10 °C max 45 °C
Application ..... outdoor
Altitude above sea level ..... 0 m
Outlet water temperature working limits ..... min -10 °C max 15 °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 ..... 22.36 m^3/h
Pressure drop ..... 50 kPa
Head pressure available ..... 300 kPa
Pump absorbed power ..... 7.5 kW
Tank Volume ..... (I) 480

Physical Attributes

Width x Height x Depth ..... 1135mm x 2258mm x 3468mm
Weight empty (4) ..... 1690 kg
Hydraulic connections ..... UNI ISO228 2 x 2 1/2"gas
Sound pressure level (6) ..... 56.5 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).

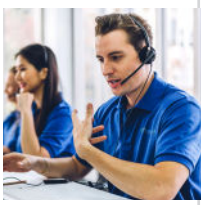
(5) Flow rate value necessary for the flow switch calibration. If the optional electronic flow switch is not provided, the customer must provide a flow switch on the system, connect it to the electrical panel of the unit and calibrate it to the indicated value.

(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.



01422 371711
sales@newsome.ltd.uk
www.newsome.ltd.uk