



Standard Report

Project: Evergreen House

Tag: 30RB160R LS

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AquaSnap 30RB- 160R

Air-cooled liquid chiller with scroll compressor

Performance Information		
Mode		Cooling
Cooling Capacity (1)	kW	149
Cooling Efficiency (EER) (1)	kW/kW	2.45
Unit Power Input (1)	kW	60.7
Sound Power Level (LwA) (1)	dBA	83
Sound Pressure Level at 10.0 m (LpA) (1)	dBA	51
Minimum Capacity (2)	kW	40.0
Maximum Capacity	kW	149

(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		
System element		Cooling
Evaporator		
Fluid	Fluid Type	Fresh Water
	Fouling Factor (sqm-K)/W	0
	Leaving Temperature °C	6.0
	Entering Temperature °C	12.0
	Fluid Flow l/s	5.92
Total Pressure Drop		25.6
Condenser		
↻	Entering Air Temperature °C	35.0
Altitude		0

Unit Configuration		
15LS	Very low noise level	



Non contractual picture

Seasonal Efficiency (3)			
Allowed applications for CE mark:			
Comfort Cooling : T ₂ 2°C*	SEER _{12/7°C} η _{p cool}	4.42	174
Comfort Cooling : T ₂ 13°C*	SEER _{23/18°C} η _{p cool}	5.17	204
High Temp. Process Cooling : T ₂ 2°C*	SEPR _{12/7°C}	5.10	



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

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

Unit Information		
Manufacturing Source	Montluel	
Refrigerant Type	R32	
Refrigerant Weight	kg	10
Tonnes CO2 Equivalent	Tonnes	6.84
Number of Refrigerant Circuit	2	
Number Of Compressor	4	
Number Of Fan	2	
Operating / Shipping Weight	kg	877/897
Unit Dimensions (LxWxH)	mm	2258x2050x1330

Electric Information		
Unit Voltage	V-Ph-Hz	400-3-50
Standby Power	kW	0.341
Power Factor		0.850
		Circuit 1
Maximum Current	A	120
Start Up Current	A	250
Current at Eurovent Conditions	A	103

Documentation	
	PSD
	IOM
	Technical Drawing
	Revit File



CARRIER participates in the ECP program for Liquid Chilling Packages and Hydronic Heat Pumps. Check ongoing validity of certificate: www.eurovent-certification.com.

Outside the scope of AHRI Air-Cooled Water-Chilling Packages Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).