



Standard Report

Radek Taubmann (31. 1. 2025 9:25:11)

30RBP 210R
Air-cooled scroll chiller with Greenspeed® Intelligence

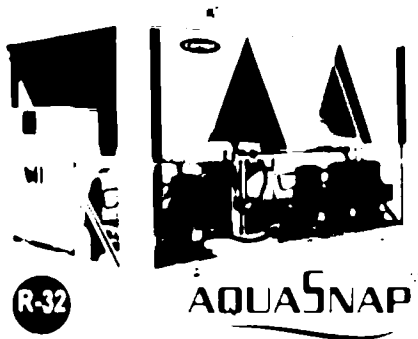
Eurovent certified value

Performance Information		
Mode		Cooling
Cooling Capacity ⁽¹⁾	kW	207
Cooling Efficiency (EER) ⁽¹⁾	kW/kW	3.20
Unit Power Input ⁽¹⁾	kW	64.7
Sound power level (LwA) ⁽¹⁾	dB(A)	90.5
Sound Pressure Level at 10.0m (LpA) ⁽¹⁾	dB(A)	58.5
Sound Power Level as EN12102-1	dB(A)	90.5
Minimum Capacity ⁽²⁾	kW	70.1
Maximum Capacity	kW	207

(1) All performances are compliant with EN14511 – 3 : 2022. 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
Water heat exchanger		
Fluid Type		Fresh Water
Fouling Factor	(sqm-K)/kW	0.000
Fluid Leaving Temperature	°C	7.0
Entering Temperature	°C	12.0
Fluid Flow	l/s	9.82
External Static Pressure	kPa	162
Hydronic Module		
Pump Power Input	kW	3.14
Air heat exchanger		
Air Entering Air Temperature	°C	35.0
Altitude	m	0
Distance from coast		>3km

Unit Configuration	
116V	HP VSD single-pump hydraulic module
149B	Modbus over IP and RS485
266	Welded evaporator connection kit
293	Safety hydraulic components evap. side
42A	Exchanger & hydraulic frost protection



Non contractual picture

Seasonal Efficiency ⁽³⁾⁽⁴⁾		
Allowed applications for CE mark:		
Low Temp. Comfort Cooling : T>=2°C*	SEER 12/7°C ηs cool	4.97 196
Medium Temp. Comfort Cooling : T>=13°C*	SEER 23/18°C ηs cool	6.03 238
High Temp. Process Cooling : T>=2°C*	SEPR 12/7°C	6.43
(3) * ECODSIGN Compliant per (EU) N°2016/2281		
(4) 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	21
Tonnes CO2 Equivalent	Tonnes	13.84
Category PED		CAT III
Number of Refrigerant Circuit		2
Number of Compressor		3
Number of Fan		4
Fan Power Input	kW	4.99
Total Fan Air Flow	l/s	19697.2
Operating	Weight	kg
	Length	mm
	Width	mm
	Height	mm
	Weight	kg
	Length	mm
Shipping	Width	mm
	Height	mm

Electric Information		
Unit Voltage	V-Ph-Hz	400-3-50
Standby Power	W	230
Power Factor		0.85
Maximum Current	A	159
Startup Current	A	372

Documentation	
	PSD
	IOM
	Technical drawing
	Revit file
	TDS
	PEP



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).