

# Carrier 30 XBEZE 300

## Specifications

Brand	Carrier
Type	30 XBEZE 300
Product type	Air Cooled Chiller
Capacity kW	295,0
Capacity Tons	83,9
Refrigerant	Freon
Refrigerant Type	R-1234ze
Weight in kg.	4401
Sizes	4798x2253x2322 mm (LxWxH)
Compressor(s) type & model	2 Carrier screw compressors
Display	Carrier 5" SmartVu™
Number of fans	8
Remarks	Y.o.b. 2021



## Description

### Used Carrier 30 XBEZE 300

New Carrier 30 XBEZE 300 air cooled liquid chiller designed for outdoor installation. This AquaForce PUREtec machine is specially designed to function optimally with the new HFO refrigerant R-1234ze (E). This new refrigerant has a GWP <1. The machine makes a positive contribution to the phasing-out schedule of the latest F-gas regulation. The machine is therefore is not only very reliable, but also durable and falls into the highest energy Vent Euro class, Class A. The Carrier screw compressor is a renewed industrial design with a stepless capacity control. The improved MCHE condenser coil, which is entirely made of aluminum, it has a much better corrosion resistance than copper-

aluminum coils.

Net cooling capacity: 295 kW  
Outside air temperature: 35°C  
Evaporator water in- & outlet temperature: 12-6°C

The machine has the following options:

- Mounted electronic flow protection.
- Winter regulation down to -20°C.
- 5" SmartVu™ operating interface, color touch screen.
- Side enclosure panels (option 23A).
- Water exchanger frost protection down to -20°C outside temperature (option 41A).
- Total heat recovery - unit equipped with additional heat exchanger in parallel with the condenser coils. (option 50).
- Three-way valve upstream of dual relief valves on the shell and tubes evaporator (option 194).
- Thermal insulation of the evaporator entering/leaving refrigerant lines with flexible, UV resistant insulation (option 256).
- Extremely durable and flexible epoxy polymer coating applied on micro channel heat exchangers by electro coating process, final UV protective topcoat. Minimal heat transfer variation, tested 6000 hours constant neutral salt spray per ASTM B117, superior impact resistance per ASTM D2794263 (option 263).
- Victaulic piping connections with welded joints (option 266).
- Compressor enclosure (option 279A).
- 230V AC power supply source provided with plug socket and transformer (180 VA, 0,8 Amps) (option 284).
- Set of rubber vibration isolators.

Air-cooled liquid chiller, manufacturer  
Carrier Type: 30XBE-ZE0300  
Cooling Capacity: 295 kW  
Unit Power Input: 89,4 kW  
EER\* kW/kW 3,29  
SEER12/7\*\* kW/kW 4,49  
SEPR12/7\*\* kW/kW 6,26

#### General

Type compressor: semi-hermetic screw  
Compressor nr. / circuits nr: 2 / 2  
Capacity steps stepless: 15-100%  
Refrigerant: R1234ze  
Refrigerant quantity kg - ton CO<sub>2</sub>eq: 51  
- 40 / <1

#### Cooler

Liquid: water  
Entering / leaving water temperature  
°C: 12 - 6  
Flow rate: 11,7 dm<sup>3</sup>/s  
Cooler pressure drop: 14,8 kPa  
Maximum operating pressure: 1.000  
kPa  
Fluid Connections in- / outlet Victaulic 5

#### Heat recovery with option 50

Entering / leaving water temperature:  
40°C - 50°C  
Flow rate: 8,7 dm<sup>3</sup>/s  
Cooler pressure drop: 5,66 kPa

#### Air-cooled condenser

Outside temperature 35°C  
Air flow: 38.560 m<sup>3</sup>/s  
Outside temperature min./max: -20°C/  
55°C  
Fan type: Flying Bird VI  
Material: MCHE 100% aluminium

#### Electrical data

Start-up facility: star-delta  
Power supply: 400V-f3-50Hz

Maximum current: 227 A

Starting current: 381 A

Sound

Sound Power Level\*\*\*: 99 dB(A)

Sound Pressure Level at 10 m\*\*\*: 67 dB(A)

\* Energy Efficiency Ratio according to Eurovent.

\*\* Seasonal Energy Efficiency Ratio according to Ecodesign Regulation 2016/2281

\*\*\* Calculated according to the 5 side method, which takes into account the dimensions of the unit.

\*All components of this used chiller will be tested on good working, leak free condition (condensing blocks), compressors, fans, control panel, etcetera). Choosing HOSBV means buying with warranty. We perform a industrial cleaning and rust spots will be covered. Also, we can arrange your shipment.

