



Easy commissioning and maintenance through easy removable panel for all the module

Dehumidification technology

- Scroll compressors with R407C
- Capacity stages to suit the needs
- Fresh air management to use "natural" dehumidification capacity
- Energy recovery through an internal plate heat exchanger, up to 50 % of the heating capacity rejected on the water
- Evaporator manual by-pass to optimize the overall efficiency

Sturdiness and reliability

- Components protection, polyurethane coating on all the coils, cooling circuit classical protection (HP,BP), return air temperature limit (with thermostat), anti-short cycle, waterproof electrical panel
- Corrosion high resistance, oven baked painted casing and frame
- Special steel plate heat exchanger SMO-254, nickel/copper welded
- Galvanized steel fan



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 **→ Dehumidification solutions**

Hotels
Sport clubs
Leisure centers
Spa environments
Private swimming pools



NA.06-13 A

The BCP units are packaged dehumidification units allowing indoor swimming pools humidity control



Junior

Comfort

1 circuit, from 3 to 15 kg/h
from 1 200 to 5 500 m³/h
from 20 to 120 m²



silence and cleanliness

2 or 3 circuits, from 21 to 65 kg/h
from 5 500 to 19 200 m³/h
from 100 to 300 m²



Aquair

Adaptability and integration in private swimming pool from 20 to 100 m², discreet unit

- 2 constructions available: horizontal or vertical
- Polyurethane coating protection
- Recovery plate heat exchanger, optional on 40, 50 and 60 models, standard from model 70
- Optional suction and discharge configuration
- Optional discharge plenum (from models 70 to 90)
- Optional Freecooling mixing box, with 3 dampers and a return fan, and with a CAREL pCOc enthalpic control system. Connected at the suction
- Discharge fan variable voltage supply to suit duct network pressure drop and air flow required for the Junior model, pulleys and belt for Aquair model
- Easy installation and commissioning thanks to a compact casing. Units can go through standard doorways, hallways or elevators
- Flexible sleeves, G4 filter, antivibratil mounts, additional heating coil etc

Thanks to the control system, BCP units can supply optimized ambient conditions

- Humidity, through a humidostat CAREL acting on the cooling circuit (standard feature)
- Air temperature, through a thermostat CAREL acting either on the 3-way valve of the additional hot water coil or on the additional electrical battery (optional feature)
- Fresh air through a freecooling mixing box managed by our CAREL pCOc (enthalpic management)
- And, to optimize indoor comfort, the unit is also featured with a plate heat exchanger (optional up to model 60) that allows energy recovery on the water and helps us to set more precisely, the discharge temperature

■ Please note that Aquair units are featured with the pCOc as standard

Acoustic optimization

- Noise reduction components: Scroll compressors, low speed fans, sandwich panels (25 mm thick mineral fibre), antivibratil mounts

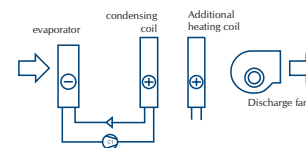
Technical characteristics

Model	Air circuit			Water side Water heating cap. (2) (kW)	Power input (kW)	Add. hot water coil heating cap. (3) (kW)	Dimensions			Weight (kg)
	Nominal flow (m³/h)	Max. flow (m³/h)	Deshumid. cap. (1) (kg/h)				Width (mm)	Length (mm)	Height (mm)	

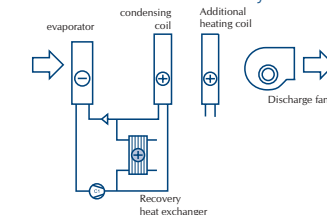
Junior		1 circuit unit, 1 stage, horizontal configuration								
BCP-20	1.200	1.440	3,9	-	2,0	15,4	1.430	658	636	168
BCP-30	1.500	1.800	5,1	-	2,5	16,5	1.430	658	636	172
		1 circuit unit, 1 stage, with optional recovery heat exchanger (50% of the condensation cap.), horizontal configuration								
BCP-40	2.100	2.520	7,1	Opc. 6,6	3,4	18,5	1.530	838	700	208
BCP-50	2.600	3.120	8,7	Opc. 8,2	4,0	21,0	1.530	838	700	212
BCP-60	3.200	3.840	10,7	Opc. 10,1	4,9	23,6	1.530	838	700	222
		1 circuit unit, 1 stage, with optional recovery heat exchanger (50% of the condensation cap.), vertical configuration								
BCP-70	3.700	4.440	12,6	11,8	6,0	35,0	1.082	680	2.143	300
BCP-80	4.300	5.160	14,3	13,5	6,7	39,7	1.082	680	2.143	302
BCP-90	4.600	5.520	15,2	14,3	7,3	41,1	1.082	680	2.143	329

Aquair		2 circuits units, 2 stages, with recovery heat exchanger, horizontal configuration								
BCP-110	5.500	6.600	21,7	10,0	7,0	61,5	2.070	1.248	1.315	630
BCP-140	7.000	8.400	27,3	16,9	8,8	71,5	2.070	1.248	1.315	665
BCP-180	9.000	10.800	36,1	20,7	12,4	90,0	2.282	1.498	1.613	895
BCP-230	11.500	13.800	44,6	24,9	15,6	105,0	2.282	1.498	1.613	920
BCP-265	13.250	15.900	53,4	28,2	18,5	129,0	2.450	1.498	1.813	1.080
		3 circuits units, 3 stages, with recovery heat exchanger, horizontal configuration								
BCP-315	16.000	19.200	65,5	43,1	22,9	145,0	2.450	1.498	1.813	1.155

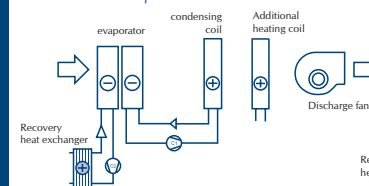
BCP Junior



BCP Junior + Recovery



BCP Aquair 110 to 265



BCP Aquair 315

