



AquaSnap® 30AWH-P
For residential and light commercial applications

MONOBLOC AIR-TO-WATER HEAT PUMP

WITH R290 REFRIGERANT



MONOBLOC AIR-TO-WATER HEAT PUMP - R290 - 30AWH-P

AquaSnap 30AWH-P

The new 30AWH-P monobloc air-to-water heat pumps with R290 natural refrigerant result from a successful combination of innovation and environmental stewardship for a high level of comfort all year round.

Delivering high performance, the 30AWH-P range is compatible with low to medium temperature emitters (underfloor heating, fan coil units, hydronic cassettes, radiators, mixed installations, etc.), and with high temperature emitters for renovation applications (boiler replacements).

The monobloc 30AWH-P heat pump is designed for outdoor installation in an open area. Each unit is produced and tested at our Carrier plants located in Europe and delivered ready for operation.



Natural refrigerant

R290 natural refrigerant helps to minimize environmental impact (GWP100 = 0,02*), in residential and light commercial applications.



Low-noise operation

With design optimization for low noise levels, the 30AWH-P features quiet operation, with ErP rated **sound power levels starting from 49dB(A)**, and a night mode can be activated by the user.



High energy efficiency

SCOP up to 4,82

SEER up to 5,34

Energy class A+++ (35°C) or A++ (55°C)****



Compact Design

Compact footprint facilitates installation, even in small spaces.



High LWT (Leaving Water Temperature)

Reaching up to 75°C LWT, the 30AWH-P can supply more domestic hot water, that in addition can be stored at a higher temperature for anti-legionella protection.



Certified performance

New 30AWH-P can satisfy **local incentive requirements*****.

**ONE RANGE,
MANY APPLICATIONS**



Individual
Housing



Collective
Housing



Light
Commercial

* based on Regulation (EU) 2024/573

** the range of efficiency classes between A+++ and D

***depends on local market regulation

MONOBLOC AIR-TO-WATER HEAT PUMP - R290 - 30AWH-P

IDEAL FOR RENOVATION AND NEW HOUSING

LEAVING WATER
TEMPERATURE UP TO 75°C

With a high leaving water temperature of up to 75°C, AquaSnap 30AWH-P is suitable for the replacement of oil and gas boilers.

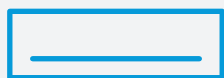
In addition, it can deliver more hot water and helps to avoid the need for direct electric immersion to sterilize the water, protecting from legionella.

DIFFERENT TERMINAL UNITS

The range has been designed to deliver high performance, suitable for low to medium temperature emitters (floor heating, fan coil units, hydronic cassettes, radiators, mixed installations, etc.) up to high-temperature emitters for renovation applications (boiler replacement).

TERMINAL UNITS

Suitable for low, medium and high temperatures.



fan coils



floor heating



radiators

CARRIER COMFORT MANAGEMENT T300

Carrier Comfort Management T300 is an advanced room control, featuring a stylish and modern design, that thanks to the built-in Gateway allows the remote management of home comfort via Carrier Comfort Management App. Besides managing up to 3 zones via expansion PCB, the T300 advanced control can operate as a true System Manager for the heating and cooling generation system (intuitive management of the heat pump and full-electric system operation, as well as hybrid distribution). The screen graphics of Carrier Comfort Management T300 are easy to read and contain selfexplanatory icons allowing an intuitive use.



TECHNICAL DATA

30AWH 04P-14P				004P (1Ph)	006P (1Ph)	008P (1Ph)	010P (1Ph)	012P (1Ph)	014P (1Ph)	012P(*) (3Ph)	014P(*) (3Ph)
Heating											
Nominal performances ⁽¹⁾	HA1	Nominal capacity	kW	3,95	5,80	7,60	9,60	11,40	13,80	11,40	13,80
		COP	kW/kW	4,90	4,90	4,80	4,35	4,55	4,30	4,65	4,40
	HA2	Nominal capacity	kW	3,85	5,50	7,80	9,50	10,80	13,60	10,80	13,60
		COP	kW/kW	3,65	3,65	3,75	3,55	3,65	3,40	3,75	3,50
	HA3	Nominal capacity	kW	3,75	5,25	7,55	9,40	10,95	13,25	10,95	13,25
		COP	kW/kW	2,95	2,95	3,15	2,95	3,10	2,90	3,15	2,95
Seasonal efficiency ⁽²⁾	HA1	SCOP	kWh/kWh	4,70	4,82	4,69	4,69	4,74	4,74	4,74	4,74
		η _s heat	%	185	190	185	185	187	187	187	187
		P _{rated}	kW	4	5	6	6	9	9	9	9
		Annual Energy consumption	KWh	1666	2092	2829	2829	4068	4068	4068	4068
		Energy class	D → A+++ ^(*)	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	HA3	SCOP	kWh/kWh	3,34	3,34	3,34	3,34	3,35	3,35	3,35	3,35
		η _s heat	%	131	131	131	131	131	131	131	131
		P _{rated}	kW	3	5	6	6	9	9	9	9
		Annual Energy consumption	KWh	2138	3010	3989	3989	5743	5743	5743	5743
		Energy class	D → A+++ ^(*)	A++	A++	A++	A++	A++	A++	A++	A++
Cooling											
Nominal performances ⁽¹⁾	CA1	Nominal capacity	kW	3,35	4,60	6,50	7,40	9,70	10,70	9,70	10,70
		EER	kW/kW	3,15	3,15	3,05	2,90	3,05	2,95	3,10	3,00
	CA2	Nominal capacity	kW	4,00	6,15	8,00	8,90	12,00	14,50	12,00	14,50
		EER	kW/kW	4,15	3,90	4,00	3,70	4,30	3,70	4,35	3,75
Seasonal efficiency	SEER ^{12/7 °C} Comfort low temp,		kWh/kWh	4,93	5,34	5,27	5,14	5,33	5,16	5,33	5,16
	η _s cool		%	194	211	208	203	210	203	210	203
Sound levels											
Standard unit											
Sound power level, ErP C condition A7/W55 ⁽³⁾			dB(A)	49	50	51	51	54	54	54	54
Sound pressure level at 5 m, ErP C condition A7/W55 ⁽⁴⁾			dB(A)	23,5	24,5	25,5	25,5	28	28	28	28
Dimensions											
Length			mm	946	946	946	946	946	946	946	946
Width without gas separator			mm	430	430	430	430	430	430	430	430
Width including gas separator			mm	560	560	560	560	560	560	560	560
Height			mm	927	927	927	927	1375	1375	1375	1375
Net weight											
Standard unit without gas separator ⁽⁵⁾			kg	78	84	91	93	126	126	128	128
Standard unit with gas separator			kg	79,3	85,3	92,3	94,3	127,3	127,3	129,3	129,3
Compressors			Rotary compressor	1	1	1	1	1	1	1	1
Refrigerant							R290				
Charge ⁽⁵⁾			kg	0,39	0,58	0,76	0,76	1,07	1,07	1,07	1,07

(*) Available from 2025
(**) The efficiency class of this product family ranges from D to A+++
(1) In accordance with EN 14511-3:2022 standard
(2) In accordance with EN 14825:2022 standard. Average climate
C1 Cooling mode conditions : evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C, evaporator fouling factor 0m² K/W
C2 Cooling mode conditions : evaporator water entering/leaving temperature 23°C/18°C, outside air temperature 35°C, evaporator fouling factor 0m² K/W
H1 Heating mode conditions : Water heat exchanger water entering/leaving temperature 30°C/35°C, fouling factor 0m² K/W. Outside air temperature 7°C db / 6°C wb
H2 Heating mode conditions : Water heat exchanger water entering/leaving temperature 40°C/45°C, fouling factor 0m² K/W. Outside air temperature 7°C db / 6°C wb
H3 Heating mode conditions : Water heat exchanger water entering/leaving temperature 47°C/55°C, fouling factor 0m² K/W. Outside air temperature 7°C db / 6°C wb
(3) In dB ref=10⁻¹² W, (A) weighting. Declared dualnumber noise emission values in accordance with EN 12102-1 at ErP conditions (with an associated uncertainty of +/-2dB(A)). as required by Ecodesign regulation. Measured in accordance with ISO 9614-1.
(4) In dB ref 20 µPa, (A) weighting. Declared dualnumber noise emission values in accordance with EN 12102-1 at ErP conditions (with an associated uncertainty of +/-2dB(A)). For information, calculated from the sound power level Lw(A).
(5) Values are guidelines only. Refer to the unit nameplate.

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Carrier is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements. All features and specifications are subject to change without prior notice.