

AIR-COOLED CHILLERS



Air conditioning

AQUASNAP PLUS

30AWH

Options/accessories

- Unit without hydronic module (option)
- Unit with hydronic module (option)
- Unit with variable-speed pump (option)*
- Additional outdoor sensor (accessory)
- Remote controller 33AW-RC1 (accessory)
- Programmable thermostat 33AW-CS1 (accessory)

* Available in 2012

30AW controllers



Comfort™ Series programmable thermostat
33AW-CS1



Remote controller
33AW-RC1

Features

- Two versions with or without hydronic module in five sizes with nominal cooling capacities from 3 to 16 kW.
- AquaSnap PLUS air-cooled chillers with built-in inverter technology were designed for residential and light commercial applications. They offer excellent energy efficiency values, exceptionally quiet operation and meet the most stringent operating temperature demands.
- Units integrate the latest technological innovations: ozone-friendly refrigerant R-410A, DC inverter twin-rotary compressors, low-noise fan and micro-processor control.
- Specifically designed for ease-of-installation and service and underlining Carrier's reputation for highest product quality and reliability.
- AquaSnap PLUS chillers can be used with a wide choice of Carrier terminal fan coil units - cassettes, low, medium and high-pressure satellite units, console units, underceiling units and high-wall units.
- Wide operating range offering high performance in a wide temperature range.
- DC inverter twin-rotary compressors with Pulse Amplitude Modulation (PAM) and Pulse Width Modulation (PWM) for enhanced reliability, low energy consumption and smooth vibration-free operation under all operating conditions.
- Variable-speed fans with an innovative patented fan blade shape ensure improved air distribution at exceptionally low noise levels.
- Advanced circuit design and component selection has resulted in a compact unit with an exceptionally small footprint that can be easily transported even through narrow doors.
- Comprehensive quality and endurance tests.
- Enhanced control possibilities.

INVERTER
Technology

Physical data

30AW		004	006	008	012	015
Air conditioning application as per EN14511-3 : 2011						
Nominal cooling capacity	kW	3.3	4.7	5.8	10.2	13.0
EER	kW/kW	3.02	3.00	2.98	2.96	2.95
ESEER part-load performance	kW/kW	4.36	4.51	4.15	4.22	4.31
Air conditioning application (1)						
Nominal cooling capacity	kW	3.3	4.7	5.8	10.2	13.0
EER	kW/kW	2.91	2.95	2.95	2.96	2.91
ESEER part-load performance	kW/kW	4.5	4.6	4.4	4.3	4.4
Cooling floor application as per EN14511-3 : 2011						
Nominal cooling capacity	kW	4.93	7.04	7.84	13.54	16.04
EER	kW/kW	4.2	3.7	3.99	3.66	3.85
Operating weight						
Unit with hydronic module	kg	59	61	71	105	130
Unit without hydronic module	kg	56	58	68	99	124
Refrigerant						
		R-410	R-410A	R-410A	R-410A	R-410A
Compressor						
		DC twin-rotary with PMV expansion valve				
Fans						
		Propeller fans				
Quantity/diameter	mm	1/495	1/495	1/495	2/495	2/495
Dimensions						
Length x depth x height	mm	908 x 350 x 821	908 x 350 x 821	908 x 350 x 821	908 x 350 x 1363	908 x 350 x 1363

NOTE: For the conditions please refer to page 31.

Electrical data

30AW		004	006	008	012	015
Power supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Voltage range	V	198-264	198-264	198-264	198-264	198-264
Full load current	A	7.2	11	14	23	20
Fuse rating	A	10	16	16	25	25
Main power cable section	mm ²	2.5	2.5	2.5	2.5	2.5

Operating range

