



AQUASNAP™

AIR-COOLED LIQUID CHILLERS
HEAT PUMPS 17-34 kW

30RA/RH



FLEXIBLE,
USER-FRIENDLY, COMPACT

FOUR EXCELLENT REASONS TO CHOOSE AQUASNAP



MAXIMUM FLEXIBILITY : INSTALL IT WHEREVER YOU LIKE

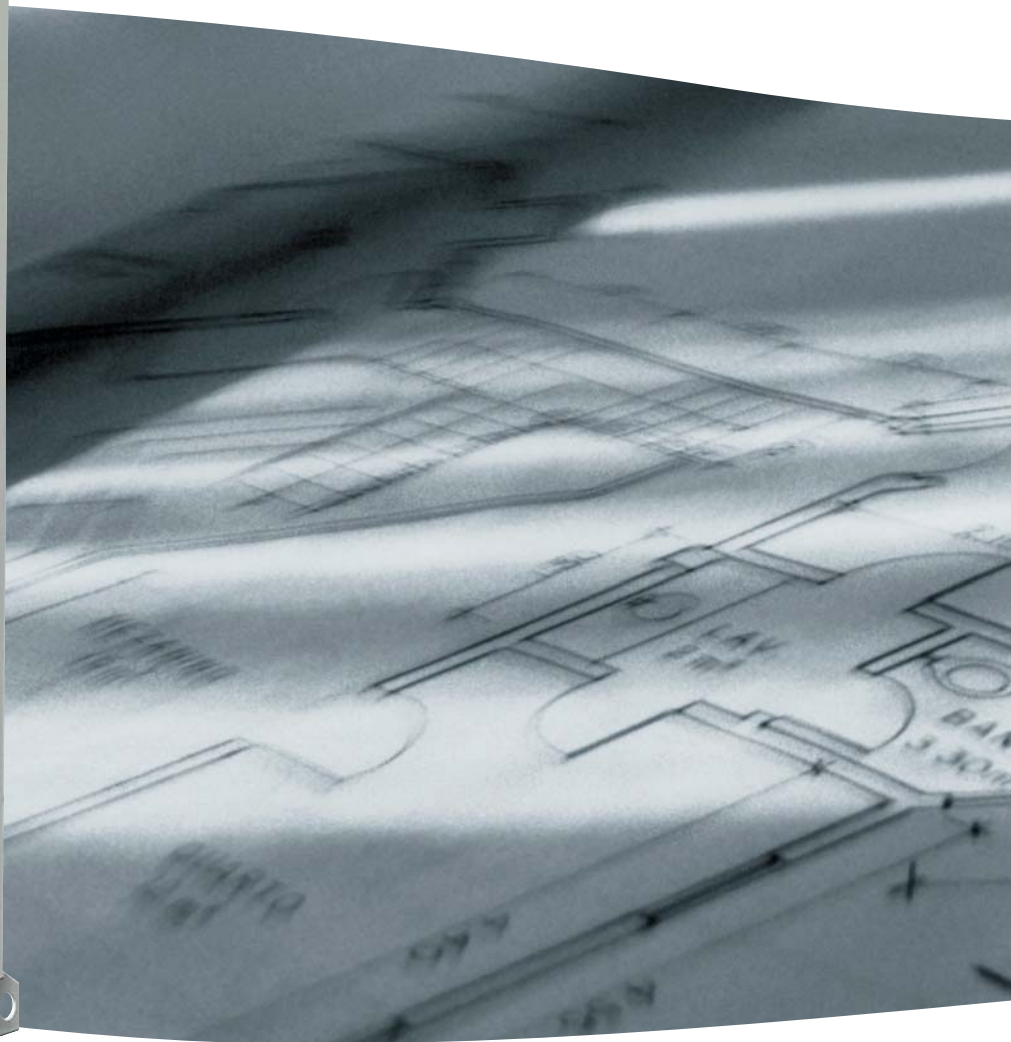
Aquasnap offers innovative technological solutions resulting in a much more compact unit. With a footprint of only 0.72 m² it can be installed everywhere - the ideal choice for offices, houses and shops. This level of flexibility ensures perfect integration into any architectural style - old or modern.



EASY INSTALLATION AND MAINTENANCE

Aquasnap is synonymous with ease-of-installation and service, since all hydronic components are pre-installed in the unit. No need to waste time on component selection - this all-in-one system has been assembled, tested and controlled in accordance with accepted standards. Unit operation is user-friendly and maintenance is simple. Remove the front panel, and you have immediate access to all components. Diagnostics are fast and efficient, as the system memorises all operating data. Everything is easier and more convenient with Aquasnap.

AQUASNAP - EXCEPTIONAL PERFORMANCE FOR YOU AND YOUR CUSTOMERS



PRO-DIALOG THE ULTIMATE IN CONTROL TECHNOLOGY

Only a sophisticated digital control system can offer great simplicity of use, absolute security and precision adjustment. Pro-Dialog accurately controls the operation of all system components to guarantee maximised energy savings and ideal comfort conditions. Simple, efficient controls accurately and quickly respond to your every command. Ten menu control temperature, pressure, set points, compressor operating time etc. One of these menus allows memorising the last five failures to ensure complete and quick diagnosis. And for added user-friendliness for your customers there is an accessory wall-mounted control to turn the unit on and off and select the operating mode and the energy-saving function.



CARRIER TECHNOLOGY MEANS WHISPER-QUIET OPERATION

The main sources of noise in a water chiller are the compressors and the fans. Aquasnap chillers and heat pumps are equipped with scroll compressors with very few moving parts. And fewer movements and fewer vibrations mean whisper-quiet operation. Compressor and pump are enclosed in a separate, sound-insulated compartment. Aquasnap fans change their speed with the operating conditions - at partial load or low outdoor temperature the fan speed is automatically reduced by 50%.



SAFE AND SOUND

You and your customers can rest assured when you install Aquasnap. The refrigerant circuit is completely sealed. All refrigerant pipes and components have brazed connections, rather than mechanical connections that can cause leaks. The electronic pressure transducers are mounted directly on the piping like the pressure switch. Nothing could be safer!

COMFORT FOR ALL SEASONS: FROM -10°C TO +46°C

One of the main Aquasnap selling points is individual comfort. Even in extreme temperature conditions Aquasnap ensures optimum comfort-cooling in summer and heating in winter. Below 6°C outdoor air temperature frost can form on the coil, automatically activating a defrost cycle.

The Aquasnap defrost cycle is managed by the Pro-Dialog control and based on various parameters, such as compressor suction temperature and outdoor air temperature. This means that defrost only takes place when it is needed, cycle duration is reduced by 50%, and heating capacity is increased by 6% for optimal comfort conditions.

STATE-OF-THE-ART TECHNOLOGY FOR A SPACE-SAVING DESIGN

The innovative technology of the Pro-Dialog control system in most cases eliminates the need for a buffer tank - saving money, time and above all space.



THE STRENGTH, EXPERIENCE AND PRESTIGE OF A WORLD LEADER

When you choose Aquasnap you place your trust in the world leader in the development and production of heating, air conditioning and refrigeration systems. Carrier products are manufactured in over 80 plants world-wide and installed on all five continents: a record that gives additional peace-of-mind.

You can rely on the expertise and experience of the company that designed the first cooling unit in 1902. Following the example of our founder, Dr. Willis H. Carrier, we have continued to invest in research and innovation to make the work of project engineers, plumbers and installers easier and to ensure that end-users enjoy ideal comfort conditions all year round.

TECHNICAL DATA 30RA/RH		30RA01730RA021	30RA026	30RA033	30RH017	30RH021	30RH026	30RH033	
Cooling capacity	kW	17.3	21.2	25.2	31	16.3	21.2	24	28.3
Power input cooling	kW	6.87	9.11	10.4	13.3	6.68	8.53	9.86	12.7
Available water pressure	kPa	138	126	150	138	141	125	155	142
Heating capacity	kW	-	-	-	-	19.2	25.3	28.5	34.8
Power input heating	kW	-	-	-	-	7.43	9.24	10.7	13.5
Refrigerant type		← R407C →							
Compressor		← One hermetic Scroll type →				← One hermetic Scroll type →			
Water content (expansion tank)	l	8	8	8	8	8	8	8	8
Water flow rate	l/s	0.85	1.05	1.20	1.48	0.80	1.04	1.15	1.35
Water circulating pump		← Single-speed centrifugal pump →				← Single-speed centrifugal pump →			
Sound pressure level	dB(A)	42	44	46	46	42	44	44	45
Sound power level*	dB(A)	74	75	78	78	73	75	75	76
Net dimensions (H/L/D)	mm	← 1383/1328/478 →	← 1587/1503/478 →		← 1383/1328/478 →		← 1587/1503/478 →		
Weight (including hydronic kit)	kg	220	240	280	315	255	285	315	345
Power supply	V-ph-Hz	← 400-3-50 →							

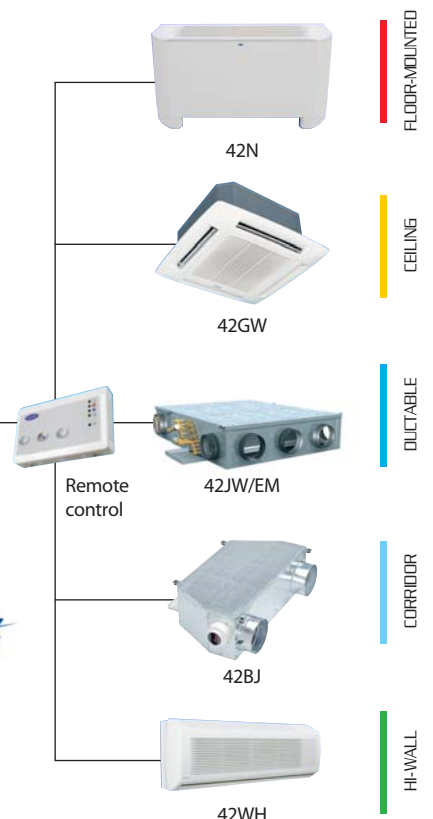
Cooling conditions: outdoor air temperature 35°C dry bulb / 24°C wet bulb, supply water temperature 7°C, return water temperature 12°C
 Heating conditions: outdoor air temperature 7°C dry bulb / 6°C wet bulb, supply water temperature 45°C, return water temperature 40°C
 *Sound pressure is measured at 10 m distance.

OPTIONS AND ACCESSORIES

- Coil protection grille
- Water fill system
- Crankcase heater (30RA only, standard on 30RH)
- Unit without hydronic module
- Unit without Neutral
- 230-3-50 Power supply Remote control
- Remote control



Remote control



Carrier actively participates in the Eurovent certification programmes. Eurovent is an independent organisation that tests products and verifies the conformance between test results and data published by the manufacturer. Eurovent certification is an important guarantee for consultants and installers. They can be sure that a product with Eurovent certification will operate in conformance with the specifications and satisfy customer requirements. All indoor units come with Eurovent certification.

Order No.: 18174-20-07/2005
 Supersedes order No.: 18174-20-12/01
 Manufacturer reserves the right to change any product specifications without notice

