

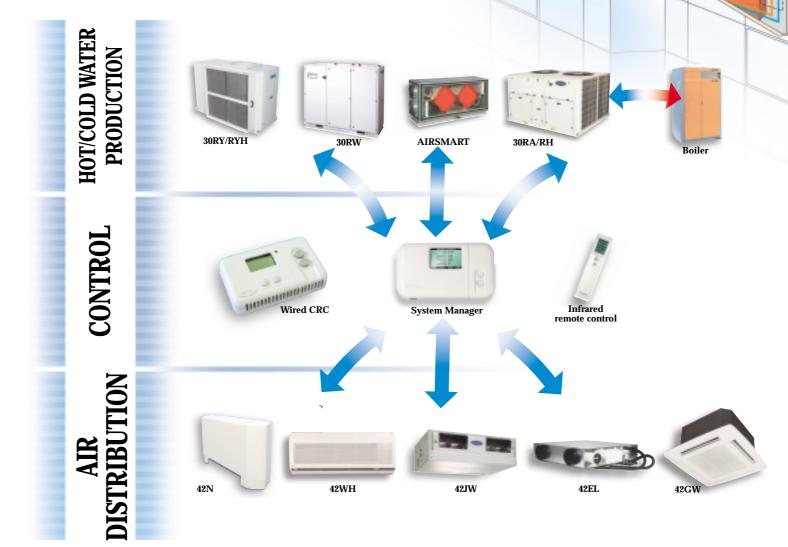


COMPLETE COMFORT FROM ONE SYSTEM

WE ARE TAKING EVERYTHING INTO CONSIDERATION TO OPTIMISE EVERYONE'S COMFORT

For Carrier it would be unthinkable to design a system without considering the full suitability and compatibility of all the elements. Therefore we have developed a system that ensures compatibility during all stages: building design, installation and operation. Each element is studied together with the other elements. In fact, all components used speak the same language: A common language for a unique design.

This way there is no risk of mis-communication or errors when malfunctions occur. IS THIS NOT THE "SINE QUA NON" THE ULTIMATE IN COMFORT FOR EACH AND EVERYBODY?





AQUASMART SYSTEM

SYSTEM INTEGRITY THROUGH COMPATIBILITY OF ITS COMPONENTS

In order to make your work easier, each system component has been designed for fastest, easiest assembly, connection and operation. No more searching for components from different suppliers - a single partner for design, ordering and invoicing. A complete new standard for trouble-free operation of your installation!

Selection of each element is facilitated by the powerful and user-friendly selection program, and remote monitoring of system operation reduces diagnostic and intervention time.

This offers you round-the-clock service.

OUR MAIN OBJECTIVE: YEAR-ROUND INDIVIDUAL COMFORT

Carrier has always guaranteed its customers complete confidence, whatever the weather. Different seasons and unexpected temperature differences are no problem. The Aquasmart system intelligently balances weather conditions and your comfort to optimise your well-being. Simplicity with complete peace-of-mind!

SPRING, SUMMER, AUTUMN OR WINTER -AQUASMART ENSURES IMMEDIATE RESPONSE

Efficiency that is shown in all aspects of air conditioning. Whether the thermometer falls below -10°C or exceeds the 45°C threshold, the Aquasmart system responds by rapidly adjusting the air conditioning to the environment and to your requirements.

AUTOMATIC COOLING/HEATING CONTROL

Based on the demands of all occupants, the Aquasmart system controls the change-over from hot water to cold water production. Depending on the outside conditions, the Aquasmart system automatically adjusts the leaving water temperature in heating or cooling mode. Perfect control!



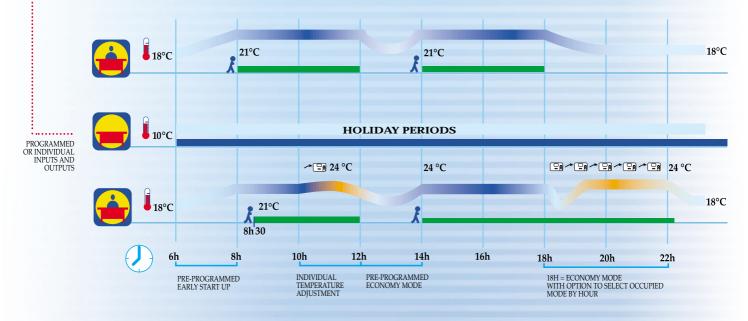
PROGRAMMED ENERGY SAVINGS

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With the Aquasmart system,

control of energy consumption control becomes child's play. In fact, a simple, user-friendly program permits control of up to 128 terminals in 32 zones. Thus each zone has the desired temperature, taking into consideration the expectations of the occupants and the activities of the organisation. Minimum and maximum temperature values and fan speeds are individually adjustable by the occupant. This way everybody finds optimal comfort – without paying too much.

FROM CONTROL TO INDIVIDUAL CHOICE





| 00:00 |
|---------------|
| 8:00 - 12:00 |
| 12:00 - 14:00 |
| 14:00 - 18:00 |
| 18:00 - 8:00 |

ONE-DAY ENERGY CHART

Aquasmart begins to calculate the heating and cooling requirements to achieve the programmed temperature around 8.00 o'clock when the employees arrive. Comfort conditions set in.

Each zone maintains a temperature of 21°C. Everyone can change this setting until noon.

During the lunch-time break an economy mode is programmed, but during this time the occupant can reselect the occupied mode.

The occupied mode restarts, applying the data selected by each occupant.

The economy mode again takes effect. But each occupant can at any time reselect the occupied mode for one hour, if he/she wants to stay longer in the office. When he/she leaves, the economy mode is again activated.

AQUASMART, THE BEST IN TECHNOLOGY

HOT/COLD WATER PRODUCTION

THE "ALL-IN-ONE" CONCEPT SAVES TIME

Simplify your life and reduce installation time. All Aquasnap chillers and heat pumps are supplied complete with a hydronic module.

This packaged unit is tested and installed in the factory, and also incorporates the refrigerant system, a water pump, an expansion valve, a water flow switch and the electrical wiring. Everything is built-in.

All you need to do is bolt down, plug in and you are ready! Child's play.

SUPER-QUIET OPERATION

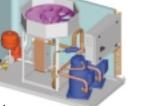
With the scroll compressor and the high-technology fans everything is designed for quiet, discreet operation. At night-time, when the thermal load decreases, the fans adjust their speed for even quieter operation. Good night!





REAL SPACE SAVINGS

Reduced weight, low profile, integrated hydronic components - the Aquasnap offers the ultimate in compactness for minimum space requirements. Moreover, as the compressor is protected by the autoadaptive Carrier-patented Pro-Dialog control system, a buffer tank is not required. And this means extra space and extra savings.



ECOLOGY AT NO EXTRA COST

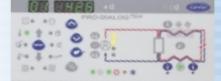
Aquasnap was especially designed for the new ecological refrigerants: HFC 410A for the Junior range and HFC 407C for the more powerful units. All Aquasnap chillers and heat pumps are harmless to the environment and the ozone layer. The solution for investment at no extra cost.

CONTROL

All Aquasnap units are equipped with Pro-Dialog control, which combines high efficiency with great operating simplicity. Pro-Dialog monitors all safety parameters and precisely controls the operation of compressor, fan and water pump for optimal energy usage. Based on the outdoor conditions Pro-Dialog adjusts the leaving water temperature and controls supplementary heating.

The Aquasnap chiller permanently communicates with the

System Manager via a simple, three-wire communication bus.



The compact System Manager supervises, analyses and determines the equipment operating mode, based on the individual requirements of each occupant. Equipped with an 8-line matrix screen and a simplified keyboard with four menu keys, two up and down keys and four navigation keys, it ensures ease-of use. It has two access levels, one for the installer with security access and the other for the building supervisor to permit interrogation and

modification of the time schedules and the zone set points.

Within the limits set at installation, the CRC/IR user interface allows each occupant to modify fan speed, set point temperature, motorised grille louvres and to change over from the Comfort to the Eco mode and vice-versa at any time.

> These simple and intuitive operations prevent misunderstandings that frequently require intervention from an installer.

GUARANTEED EFFICIENCY FROM -10°C TO + 45°C

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No additional accessories!

With the Pro-Dialog control system with intelligent fan speed control all Aquasnap liquid chillers operate down to -10°C.

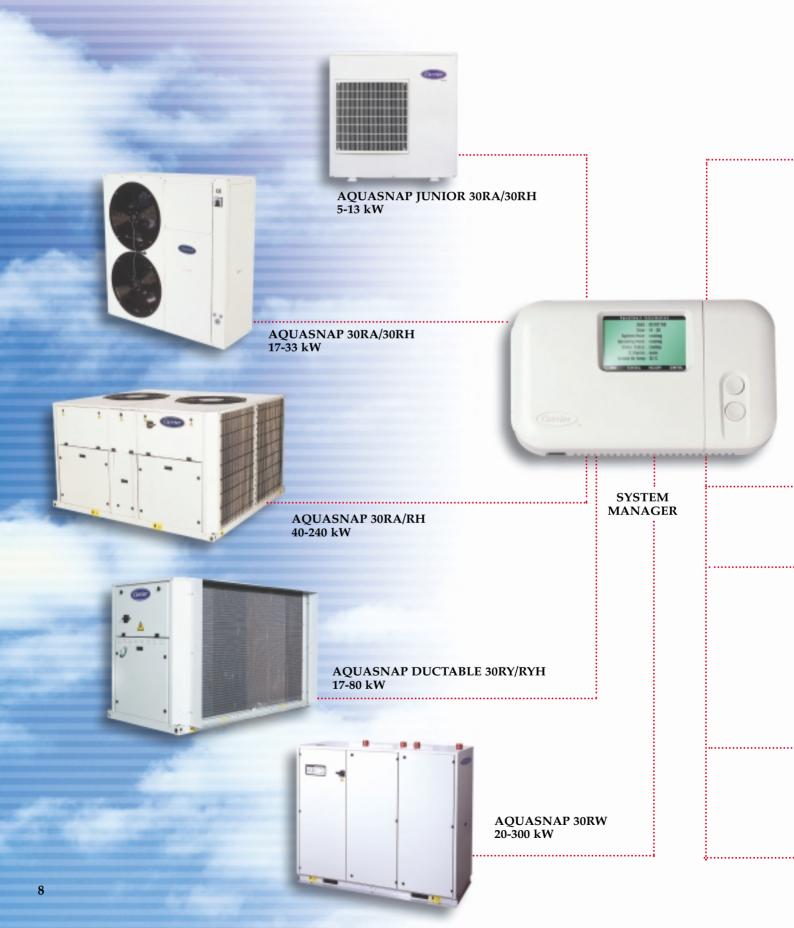
Whatever the climate, the Aquasnap 30RH heat pumps ensure normal hot water production. The patented, auto-adaptive Pro-Dialog control guarantees optimal reliability and increased heating capacity as well as perfect defrost cycle control.

AIR DISTRIBUTION

The technologies of the state-of-the-art fan, heat exchanger, acoustics and terminal unit size reduction are complemented by the addition of an electronic control system, guaranteeing precise and reliable control of each component. Depending on its configuration, each terminal unit can be supplied complete with valves, electric heater, condensate pump and temperature sensors, all factory-installed and tested. The electronic control is the same for each terminal unit type and configured and tested at the end

of the assembly line.

THE SYSTEM SOLUTION FOR ANY APPLICATION



Always led by your requirements, Carrier offers a multitude of combinations that allow you to put together the solution that most suits your building type and your environment. By combining chillers/ heat pumps and terminal units as required by you and in accordance with your architectural and budgetary constraints, Carrier always offers the solution most suited to your requirements.

HIGH-WALL 42WH

FAN COIL IDROFAN 42N

CASSETTE 42GW

AQUALIA 42EL

Wired CRC

FLEXIBILITY FOR COMPLETE PEACE-OF -MIND

Carrier offers all types of chilled-water terminal units to meet your individual requirements: cassettes, fan coil units, ductable units and high-wall units, available as 2-pipe change-over, 2-pipe/2-wire and 4-pipe versions, equipped and factory-tested with the same electronic controls, valves and sensors.

Simplified as much as possible, installation is limited to the unit water connections and the installation of the communication bus.

The real brain of the Aquasmart, the System Manager, is equipped with an intelligence that is comparable to that of a centralised Building Management System.

It also permits complete configuration of your installation – from automatic addressing of each terminal unit to individual setting of each element.

If required, the system supervisor can modify time schedules and set points, and display the alarms for each component.

The CRC user interface is equipped with a screen and a four-key keyboard, and offers simple access for the comfort control of each occupant.

AQUASNAP 30RA 005-033 AIR-COOLED LIQUID CHILLERS 30RH 005-033 AIR-TO-WATER HEAT PUMPS

COMPACT UNITS WITH THE SAME BENEFITS AS LARGE UNITS

Integrated hydronic module, quiet scroll compressor, ecological refrigerants, year-round operation in standard mode, Pro-Dialog controls, these "little ones" have everything the larger ones have.

With their compact size (width less than 500 mm) and their horizontal air discharge, they are ideal for residential and small commercial applications. They are easy to install close to the zones to be air conditioned – e.g. on a balcony.

AQUASNAP 30RA 040-240 AIR-COOLED LIQUID CHILLERS 30RH 040-240 AIR-TO-WATER HEAT PUMPS EVERYTHING STANDARD – NOTHING OPTIONAL

With their compact dimensions (only 1329 mm high for 30RA/RH 040-160), quickly connected by a simple 3-phase cable without neutral, and the low operating noise of the scroll compressor and Flying Bird fan, these units are ideal for applications in new and refurbished buildings.



AQUASNAP THE A

| 30RA / 30RH | | 005 | 007 | 009 | 011 | 013 | 017 | 021 | 026 | 033 |
|-------------------------------|---------|------------|------------------|-------------|----------|---------------|--------------|----------|--------------|---------------|
| | | | | | | | | | | |
| Cooling capacity 30RA | kW | 5.1 | 6.7/6.5 | 7.6 | 9.6 | 11.2 | 17.7 | 21.6 | 25.8 | 31.7 |
| Cooling capacity 30RH | kW | 5 | 6.7/6.3 | 7.2 | 9.6 | 11.5 | 16.7 | 21.6 | 24.6 | 29 |
| Heating capacity | kW | 5.7 | 7.5/7.7 | 8.7 | 10.1 | 13.8 | 18.8 | 24.8 | 27.8 | 34 |
| Refrigerant | | < | | - HFC-410A | | \rightarrow | ◄ | | 407C ——— | \rightarrow |
| Compressor: type/quantity | | | | | | — Scroll/1 — | | | | |
| Water pump | | | | | | Three-speed | I ——— | | | -> |
| Water pump available pressure | kPa | 46 | 35/37 | 50 | 34 | 34 | 142 | 125 | 155 | 142 |
| Sound pressure level | dB(A) | 36/34* | 40/39* | 41/43* | 42/43* | 44/45* | 42/45* | 43/47* | 46/47* | 46/48 |
| Sound power level | dB(A) | 64/62* | 68/67* | 69/71* | 70/71* | 72/73* | 70/73* | 71/75* | 74/75* | 74/76* |
| Length/depth | mm | | | - 800 x 300 | - | → | 1328 x 478 | | - 1503 x 478 | → |
| Height | mm | 590/803* | 590/803* | 803 | 1264 | 1264 | 1383 | 1587 | 1587 | 1587 |
| Weight | kg | 71/83* | 73/85* | 85/88* | 108/112* | 118/123* | 220/255* | 240/285* | 280/315* | 315/345* |
| Power supply | V-ph-Hz | 230-1-50 2 | 230-1-50/400-3-5 | 0 🖌 | | | - 400-3-50 - | | | |

* Only for 30RH - The above data refer to eurovent conditions

| 30RA | | 040 | 050 | 060 | 070 | 080 | 090 | 100 | 120 | 140 | 160 | 200 | 240 |
|-------------------------------|---------|----------|------------------|------------|----------|-----------|------------|-----------|------------|------------|---------------|-----------|---------------|
| | | | | | | | | | | | | | |
| Cooling capacity | kW | 39.4 | 49 | 57 | 67 | 79 | 89 | 97 | 115 | 135 | 157 | 202 | 245 |
| Cooling capacity | kW | 38.3 | 44.5 | 54 | 66 | 71 | 83 | 92 | 108 | 132 | 142 | 179 | 210 |
| Heating capacity | kW | 39.2 | 47.3 | 58 | 67 | 80 | 87 | 98 | 117 | 133 | 160 | 194 | 229 |
| Refrigerant | | - | | | | | HFC-4070 |) ——— | | | | | \rightarrow |
| Compressor: type/quantity | | Scroll/1 | - | Scro | oll/2 —— | | < Scro | oll/3 ► | - | - Scroll/4 | \rightarrow | Scroll/5 | Scroll/6 |
| Water pump | | - | | | —— Sir | ngle mono | cell pump | (dual pum | p option) | | | | -> |
| Water pump available pressure | kPa | 140 | 140 | 130 | 120 | 150 | 120 | 110 | 170 | 150 | 120 | 190 | 230 |
| Sound power level | dB(A) | 82 | 82 | 82 | 86 | 87 | 85 | 85 | 85 | 89 | 90 | 91 | 92 |
| Length x depth x height | mm | - | 207 ² | 1 x 1081 x | 1329 — | | - | <u> </u> | 1 x 2278 x | 1329 — | -> | 3351 x 22 | 79 x 1674 |
| Weight (30RA/RH) | kg | 526/566 | 584/624 | 597/647 | 611/661 | 631/691 | 1093/1183 | 1106/1196 | 1205/1238 | 1212/1312 | 1248/1368 | 2133/2233 | 2305/2405 |
| Power supply | V-ph-Hz | - | | | | | - 400-3-50 | | | | | | |
| | | | | | | | | | | | | | |

The above data refer to eurovent conditions

AQUASNAP

30RY 017-080 DUCTABLE LIQUID CHILLERS FOR INDOOR INSTALLATION 30RYH 017-080 REVERSIBLE DUCTABLE HEAT PUMPS FOR INDOOR INSTALLATION

Neighbourhood constraints, limited roof space, architectural or aesthetic considerations: with only 870 mm width (30RY/RYH 017-033), the Aquasnap is ideal for installation in a plant room. The chillers are installed inside the building, a quiet high-pressure fan permits ducting of the air supply and return. The axial fan is so simple to use, that it does not need to be adjusted after installation, nor does the belt need replacing. This ductable unit comes complete with everything!

AQUASNAP 30RW/RWA 020-300 WATER-COOLED LIQUID CHILLER EASIER, AS EVER G

The intelligent design of the Aquasnap water-cooled liquid chiller includes all hydronic and control components to offer unrivalled installation simplicity: evaporator water pump, condenser water pump, expansion tanks, filters, safety accessories and even the drycooler fan control ... everything is incorporated in the chiller.

LL-IN-ONE RANGE

| 30RY / 30RYH | | 017 | 021 | 026 | 033 | 040 | 050 | 060 | 070 | 080 |
|---|---------|---------|--------------------------------|----------------|---------|--------------|--------------|---------------|---------------|---------|
| | | 10.4 | | 05.0 | 04.7 | | 50 | 50 | | 70 |
| Cooling capacity 30RY | kW | 18.6 | 23.1 | 25.8 | 31.7 | 39.4 | 50 | 58 | 67 | 79 |
| Cooling capacity 30RYH | kW | 17.8 | 22.4 | 24.1 | 31.3 | 37.8 | 44.7 | 56 | 65 | 76 |
| Heating capacity | kW | 18.3 | 22.1 | 25.6 | 34.5 | 37 | 48.3 | 55 | 62 | 78 |
| Refrigerant | | - | | | | — R407C — | | | | → |
| Compressor: type/quantity | | | | — Scroll/1— | | → | | ——— Scr | oll/2 —— | → |
| Pump: type | | | Single mul | lticell pump – | | ≺ — S | ingle monoce | ell pump (dua | al pump optio | n) — |
| Water pump available pressure | kPa | 230 | 200 | 190 | 150 | 140 | 140 | 130 | 120 | 150 |
| Expansion tank volume | 1 | | | 8 8 | → | | | <u> </u> | | → |
| Max. pressure available (fan) | Pa | | 1 | 00 ——— | → | | | — 150 — | | |
| Length | mm | | 20 |)58 ——— | | | | <u> </u> | | |
| Width | mm | < | 9 | 62 | | | | — 1128 — | | |
| Height | mm | | 13 | 351 | | - | | <u> </u> | | |
| Weight (30RY/RYH-single pump) | kg | 386/410 | 416/440 | 436/460 | 451/475 | 510/550 | 572/612 | 587/627 | 638/688 | 675/736 |
| Power supply | /-ph-Hz | | | | | - 400-3-50 - | | | | |
| The above data refer to eurovent conditio | ns | | | | | | | | | |

| 30RW/RWA | | 020 | 025 | 030 | 040 | 045 | 060 | 070 | 080 | 090 | 110 | 120 | 135 | 150 | 160 | 185 | 210 | 245 | 275 | 300 |
|--------------------------------|---------|------|------|---------|------|------|-----|--------|----------|---------|---------|----------|----------|--------|------|------|--------|---------|------|---------------|
| Cooling capacity (30RW) | kW | 20.2 | 25.9 | 29.9 | 39.7 | 45.3 | 56 | 70 | 80 | 91 | 108 | 123 | 139 | 149 | 162 | 183 | 216 | 247 | 284 | 310 |
| Refrigerant | kW | - | | | | | | | | | R407C | | | | | | | | | \rightarrow |
| No. of refrigerant circuits | kW | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Compressor: type/quantity | | | | Scroll/ | 1 | -> | - | | | — Scr | oll/2 – | | | -> | - | | — Scro | oll/4 — | | \rightarrow |
| Evaporator | | - | | | | | | | — Sta | ainless | steel | welded | l plates | s — | | | | | | \rightarrow |
| Evaporator water pump | kPa | - | | | | | | | N | Monoc | ell cen | trifuga | I —— | | | | | | | \rightarrow |
| Evaporator water pump pressure | kPa | 136 | 149 | 140 | 146 | 148 | 189 | 182 | 172 | 160 | 185 | 170 | 152 | 142 | 211 | 200 | 207 | 187 | 168 | 144 |
| Condenser | | - | | | | | | | — Sta | ainless | steel \ | welded | plates | š —— | | | | | | \rightarrow |
| Condenser water pump | | - | | | | | | I | /ariable | e spee | d, mon | ocell, (| centrifu | ıgal — | | | | | | \rightarrow |
| Condenser water pump pressure | kPa | 184 | 203 | 190 | 201 | 204 | 197 | 182 | 164 | 141 | 205 | 196 | 188 | 184 | 180 | 159 | 203 | 183 | 170 | 148 |
| Length | mm | | | 1204 | | > | - | | | 20 | 04 — | | | > | - | | — 29 | 50 — | | \rightarrow |
| Width | mm | | | 695 - | | -> | - | | | - 8 | 95 — | | | -> | - | | — 92 | 22 — | | \rightarrow |
| Height | mm | - | | | | | | - 1750 | | | | | | -> | - | | — 19 | 93 — | | \rightarrow |
| Operating weight (30RW) | kg | 377 | 396 | 399 | 432 | 452 | 717 | 748 | 789 | 815 | 959 | 1032 | 1052 | 1072 | 1404 | 1469 | 1697 | 1811 | 1897 | 1897 |
| Power supply | V-ph-Hz | Hz < | | | | | | | | -> | | | | | | | | | | |

The above data refer to eurovent conditions

CASSETTE 42GW

HIGH PERFORMANCE-QUIET OPERATION

Considerably simplified installation.

Extra slim (298 mm) and easy to handle, the 42GW can be integrated into false ceilings without problems. It offers more space, less weight and less installation time. New air quality - new quality of life. The 42GW cassette was designed with 10% fresh air intake. This benefit facilitates room air renewal and improves its quality. Optional electrostatic and activated carbon filters contribute to exceptional air quality.

Simplified maintenance. With the removable grille one person alone can carry out all maintenance and service tasks for all components.

| | | | | | 2 Pi | ре | | | | 4 Pip | е | |
|----------------------------|---------|-------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|----------------|
| 42GW | | _ | 42GWC 004 | 42GWC 008 | 42GWC 010 | 42GWC 012 | 42GWC 016 | 42GWC 020 | 42GWD 004 | 42GWD 008 | 42GWD 010 | 42GWD 020 |
| | | _ | | | | ectric heate | | | | | | |
| | | | 42GWE | 42GWE | 42GWE | 42GWE | 42GWE | 42GWE | | | | |
| | | | 004 | 800 | 010 | 012 | 016 | 020 | | | | |
| | | | | | | | | | | | | |
| Total cooling capacity | | kW | 2.4 | 4.0 | 4.7 | 5.9 | 8.3 | 11.0 | 1.9 | 3.4 | 4.0 | 9.8 |
| Sensible cooling capacity | | kW | 2.3 | 3.3 | 3.9 | 4.8 | 6.3 | 8.6 | 1.8 | 2.9 | 3.4 | 7.9 |
| Water flow, cooling | | l/s | 0.11 | 0.19 | 0.22 | 0.28 | 0.40 | 0.53 | 0.09 | 0.16 | 0.19 | 0.43 |
| Water pressure drop, cooli | ing | kPa | 9 | 12 | 20 | 19 | 14 | 25 | 8 | 12 | 16 | 30 |
| Heating capacity | | kW | 3.8 | 5.5 | 6.6 | 8.5 | 10.6 | 14.4 | 1.9 | 4.8 | 5.4 | 9.0 |
| Electric heaters (42GWE m | nodels) | W | 1.5 | 2.5 | 2.5 | 3.0 | 3.0 | 3.0 | - | - | - | - |
| Fan | | | ◄ | | | | Centr | ifugal ——— | | | | |
| Air flow | Н | l/s | 184 | 194 | 236 | 283 | 338 | 468 | 184 | 194 | 236 | 468 |
| | Μ | l/s | 125 | 136 | 167 | 203 | 242 | 315 | 125 | 136 | 167 | 315 |
| | L | l/s | 100 | 86 | 131 | 150 | 147 | 178 | 100 | 86 | 131 | 178 |
| Power input | | W | 70 | 85 | 95 | 85 | 120 | 200 | 70 | 85 | 95 | 200 |
| Sound pressure level | C | dB(A) | 24/29/40 | 23/34/43 | 33/39/48 | 25/31/40 | 29/40/47 | 33/46/54 | 24/29/40 | 23/34/43 | 33/39/48 | 33/46/54 |
| Sound power level | (| dB(A) | 33/38/49 | 32/43/52 | 42/48/57 | 34/40/49 | 38/49/56 | 42/55/63 | 33/38/49 | 32/43/52 | 42/48/57 | 42/55/63 |
| Nominal dimension (H X L | X D) | mm | ≺ 20 | 98 x 575 x 57 | 75 → | ← 29 | 98 x 825 x 82 | 5> | ← 20 | 98 x 575 x 5 | 75 -> 29 | 98 x 825 x 825 |
| Weight | | kg | 21.5 | 22.5 | 22.5 | 46 | 48 | 51 | 21.5 | 22.5 | 22.5 | 51 |
| Power supply | V-p | oh-Hz | < | | | 230 | -1-50/400-3- | 50* | | | | |

The above data refer to Eurovent conditions. Cooling conditions: 27°C dry bulb / 19°C wet bulb air temperature; 7°C/12°C entering and leaving water temperature at high fan speed. Heating conditions (2 pipes): 20°C entering air temperature, 50°C entering water temperature, same water flow rate as in cooling, at high fan speed. Heating conditions (4 pipes): 20°C entering air temperature, 70°C/60°C entering and leaving water temperature at high fan speed. Sound pressure is measured in a 100 m³ room with 0.5 s reverberation time.

*Required for electric heaters only.

FAN COIL UNIT 42N

PERFORMANCE AND BILITY COMBIN

Discreet and elegant.

The 42N has a modern design that blends in harmoniously with most room decors.

Improved performance!

Available with two and four pipes, the 42N offers additional capacity for the same size, since it is equipped with a high-performance coil.

Vertical or horizontal!

In order to facilitate installation the 42N can be installed vertically or horizontally without field modification.

| 42N | | 16* | 25* | 33* | 43* | 50* | 60 | 75 |
|-----------------------------------|---------|-----------------|-------------------|-----------------|-------------------|-------------|-------------------|-------------|
| 7211 | | 10 | 20 | 55 | 73 | 50 | 00 | 15 |
| Total cooling capacity | kW | 1.43 | 2.18 | 3.14 | 4.04 | 4.42 | 5.87 | 7.26 |
| Sensible cooling capacity | kW | 1.11 | 1.82 | 2.52 | 3.28 | 3.55 | 4.88 | 6.14 |
| Water flow (cooling) | l/s | 0.07 | 0.10 | 0.15 | 0.19 | 0.21 | 0.28 | 0.35 |
| Water pressure drop (cooling) | kPa | 18 | 12 | 10 | 18 | 21 | 19 | 18 |
| Heating capacity (high fan speed) | kW | 2.02 | 3.05 | 4.30 | 5.79 | 6.24 | 7.85 | 9.80 |
| Electric heaters L/H | W | 500/1000 | ◀ 1000 | /2000 ► | < | 1500 | /3000 ——— | → |
| Fan type | | ◄ | | — Tangential* - | | → | 🗲 Centr | ifugal ≻ |
| Air flow | H I/s _ | 90 | 131 | 158 | 227 | 242 | 339 | 438 |
| | M I/s | 69 | 99 | 128 | 179 | 196 | 272 | 328 |
| | L I/s | 43 | 72 | 69 | 111 | 128 | 175 | 228 |
| Power input | W | 32 | 32 | 44 | 57 | 69 | 113 | 164 |
| Sound pressure level I/m/h | dB(A) | 25/35/41 | 27/35/41 | 30/41/47 | 35/45/51 | 38/47/52 | 38/49/54 | 45/54/61 |
| Sound power level I/m/h | dB(A) | 33/43/49 | 35/43/49 | 38/49/55 | 43/53/59 | 46/55/60 | 46/57/62 | 53/62/69 |
| Unit with cabinet - H x L x D | mm | 657 x 830 x 220 | ≺ 657 x 10 |)30 x 220 ► | ≺ 657 x 12 | 230 x 220 🗩 | ≺ 657 x 14 | 30 x 220 🗩 |
| Weight | kg | 17 | ←1 | 9 — | ◄ 2 | 2> | ◀ 3 | 5 —>> |
| Concealed units - H x L x D | mm | 618 x 599 x 220 | ≺ 618 x 7 | 99 x 220 ➤ | ≺ 618 x 9 | 99 x 220 ➤ | ← 618 x 11 | 199 x 220 ➤ |
| Weight | kg | 13 | ◀—1 | 5 —► | ◀ 1 | 6 —> | ◄ 2 | 8 —>> |
| Power supply | V-ph-Hz | - | | 2 | 30-1-50/230-1-6 | 0 | | |

The above data refer to Eurovent Conditions. Cooling conditions: 27°C dry bulb / 19°C wet bulb air temperature; 7°C/12°C entering and leaving water temperature at high fan speed. Heating conditions: 20°C air temperature, entering water temperature: 50°C, same water flow rate as in cooling condition test at high fan speed. Sound pressure is measured in a 100 m³ room with 0,5 s reverberation time. * Also available with centrifugal fan

HIGH-WALL UNIT 42WH

IDEAL FOR ESIDENTIAL AND HOTEL APPLICATIONS

Discreet system integration.

Can be installed on any wall or above a door frame for perfect discretion.

Automatic temperature control. The 42WH has a standard cold draft prevention system in order to create the ideal conditions in the room. If the power supply is interrupted, the units restarts, without having to reset the operating parameters.

Easy to install and maintain. With the pre-equipped wall panel the 42WH is easy to install and maintain. Filter change is simplified by direct front access.



| 42WH | | 42WHC 016 | 42WHC 020 | 42WHC 028 |
|--|---------|------------|------------|----------------------|
| T , I , I , I , I , I , I , I , I , I , | 1.1.47 | 1.10 | 4.75 | 0.1 |
| Total cooling capacity | kW | 1.43 | 1.65 | 2,1 |
| Sensible cooling capacity | kW | 1.08 | 1.35 | 1.95 |
| Water flow rate (cooling) | l/s | 0.068 | 0.079 | 0.100 |
| Water pressure drop (cooling) | kPa | 14/22* | 19/30* | 34/50* |
| Heating capacity | kW | 1.94 | 2.3 | 3.2 |
| Air flow rate (low-medium-high) | l/s | 47/59/69 | 72/81/86 | 111/123/131 |
| Power input | W | 19 | 27 | 28 |
| Sound pressure level (I/m/h) | dB(A) | 21/26/31 | 29/33/35 | 35/38/40 |
| Sound power level (I/m/h) | dB(A) | 30/35/40 | 38/42/44 | 44/47/49 |
| Weight, unit | kg | 14.5 | 14.5 | 15 |
| Weight, back panel | kg | 5/4.5* | 5/4.5* | 5.5/4.5* |
| Power supply | V-ph-Hz | ◄ | 230-1-50 | > |
| Dimensions height x length x wid | dth mm | <290 x 800 | x 145/190* | 337 x 800 x 170/215* |

* Value with valves installed.

Value with values instance. Cooling conditions: air temperature 27°C db/19°C wb, entering and leaving water temperature 7°C/12°C at high fan speed. Heating conditions, 2-pipe units: air temperature 20°C db, entering water temperature 50°C same water flow rate as in cooling, at high fan speed. The data for the connection module correspond to the fully equipped version. The sound pressure level is measured in a 100m³ room with 0,5 s reverberation time.



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.



Products & systems shown in this document are designed, manufactured and tested according to Quality Management System ISO 9001.

