

# NRG 0800H-3600H

## Reversible air/water heat pump

Cooling capacity 194,9 ÷ 962,3 kW – Heating capacity 209,6 ÷ 991,9 kW

- High efficiency also at partial loads
- Low refrigerant charge
- Night mode



### DESCRIPTION

Reversible outdoor heat pumps for the production of chilled/heated water designed to satisfy the needs of residential and commercial buildings, or for industrial applications.

The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

### VERSIONS

- ° Standard
- A High efficiency
- E Silenced high efficiency
- L Standard silenced

### FEATURES

#### Operating field

Working at full load up to -15 °C outside air temperature in winter, and up to 49 °C in summer. Hot water production up to 60 °C (for more details refer to the technical documentation).

#### Unit with 2/3 cooling circuits

Unit with 2/3 refrigerant circuits designed to provide maximum efficiency at full load, ensuring high efficiency at partial loads also and ensuring continuity in case one of the circuits stops.

#### Refrigerant HFC R32

The environmental impact of the units is reduced considerably owing to the last generation R32 refrigerant.

Combining a reduced refrigerant load with a low global warming potential (GWP), these units boast low equivalent CO<sub>2</sub> values.

■ Refrigerant gas detector is supplied as per standard.

Use refrigerant fluid R32, whose classification according to ISO 817 is A2L (non-toxic, odourless and slightly flammable refrigerant).

#### New condensing Coils

The whole range uses copper - aluminium condensation coils with reduced diameter rows, allowing a lower quantity of gas to be used compared to traditional coils.

### Electronic expansion valve

The possibility to use electronic expansion valve, offers significant benefits, especially when the chiller is working with partial loads, increasing the energy seasonal efficiency of the unit.

### Option integrated hydronic kit

An optional, integrated hydronic kit containing the main hydraulic components, to obtain a solution that allows you to save money and to facilitate installation.

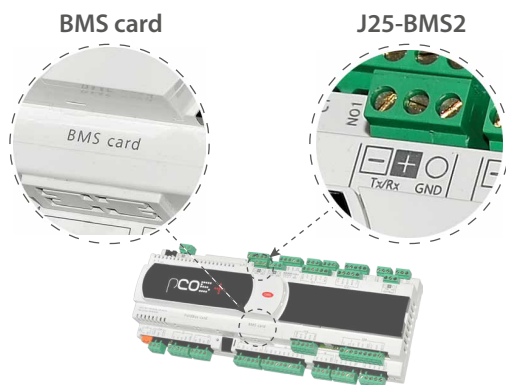
It is available in different configurations with storage tank or with fixed pumps also inverter.

### CONTROL PCO<sup>5</sup>

The units from size 0800 to 2400 have 1 control card, while the units from size 2600 to 3600 have 2 control cards.

Microprocessor adjustment, with 7", touch screen keyboard, which allows to navigate intuitively among the various screens, allowing to modify the operating parameters and graphically view the progress of some variables in real time and the ad adjustment includes complete management of the alarms and their log.

- The presence of a programmable timer allows functioning time periods and a possible second set-point to be set.
- The temperature control takes place with the integral proportional logic, based on the water output temperature.
- **Floating HP control:** available for all models with an inverter fan or DCPX. Thanks to continuous fan modulation, unit operation is optimised in every working position in cooling mode. The result is enhanced machine energy efficiency with partial loads.
- **"EASYLOG" data logger as per standard:** allows all operating data read by the PCO5 to be stored on an SD card.
- **Night mode:** only in the **non-silenced versions with the fan to be, inverter or phase-cut or with the DCPX accessory**, a silenced operation profile can be set, which is useful, for example, at night for greater acoustic comfort, but always ensures performance even at peak load hours.
- Possibility to control two units in a Master-Slave configuration (from size 0800 to 2400)



In the 'BMS card' port, the compatible accessories are:

- AER485P1
- AERBACP
- MULTICHILLER-EVO + AER485P1

In the 'J25-BMS2' port, the compatible accessories are:

- AERNET

■ **Note:**

- "BMS card" and "J25-BMS2" are two ports on the unit's control board. Only one accessory can be connected to each port.
- An 'EASYLOG' diagnostic device may be present in port 'J25-BMS2', possibly disconnect it to connect the accessory AERNET.
- **For other requirements, please contact the company.**

## INTEGRATED SOLUTION

The "integrated solution" concept has been implemented in the system architecture, consisting in an integrated and streamlined control of compressors and electronic valve.

This solution allowed a variety of new features to be introduced, such as:

- **Low Superheat Control:** Progressive superheating reduction in conditions of stability. This allows to increase energy performance: both in modulation and in full load conditions;
- **DLT control:** Control of electronic valve at discharge temperature in certain operating conditions. This is demonstrated in an enhanced reliability of the control and a considerable expansion of the machine's operating range, especially in heating mode.

## ACCESSORIES

**AER485P1:** RS-485 interface for supervising systems with MODBUS protocol. 1 accessory is provided for each unit control board.

**AERBAC-ONE:** Ethernet communication interface for Bacnet/IP and Modbus TCP/IP protocols, HTTPS protocol for web interface, encrypted commu-

nication protocols and access credential management in accordance with the latest standards. One accessory is provided for each unit control board.

**AERBACP:** Ethernet communication interface for Bacnet/IP and Modbus TCP/IP protocols. 1 accessory is provided for each unit control board.

**AERLINK:** Aerlink is a WiFi gateway with an RS485 serial port that allows a wide range of Aermec products (heat pumps/chillers/system controllers) equipped with this interface to connect easily and securely to a Wi-Fi network. It works both as an access point (AP access point) and as a client (WiFi Station), it can be connected to a single generator or system centraliser, allowing anyone to easily integrate them into any network. Thanks to the AerApp and AerPlants apps, which can be used on Android and iOS platforms, the remote management of the air conditioning systems developed by Aermec becomes intuitive and simple.

**AERNET:** The device remotely controls, manages and remotely monitors a chiller/heat pump using a PC, smartphone or table via a Cloud connection. AERNET acts as Master while each connected unit is configured as Slave up to a maximum of 6 control cards. The connection is made via cable and/or USB key. Wi-Fi connectivity is not available. It is also possible to save a log file with all the data from the connected units to your terminal with a simple click for possible post-analysis. With the purchase of the Router, the Customer benefits from a 24-month free period during which he can use the Aernet Service at no additional cost. At the end of this initial period, the Service may be renewed by subscribing to a 1, 2 or 3 year subscription. For further details on costs and renewal methods, please contact our office or consult the technical documentation available on our website. [www.aermec.com](http://www.aermec.com).

**FL:** Flow switch.

**MULTICHILLER-EVO:** Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel (max. no. 9), always ensuring constant flow rate to the evaporators.

**PGD1:** Allows you to control the unit at a distance.

**PR4:** Remote panel with LCD display and touch keyboard that allows carrying out the basic controls, the programming of time ranges and the signalling of the alarms of a single unit.

■ *The accessory PR4 should only be combined with the RS485 communication interface when the serial port is occupied by another device.*

**AVX:** Spring anti-vibration supports.

**DCPX:** Device for condensation temperature control, with continuous speed modulation of fans by using a pressure transducer.

## FACTORY FITTED ACCESSORIES

**DRE:** Electronic device for peak current reduction.

**RIF:** Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current.

**GP\_:** Anti-intrusion grid kit

**T6:** Double safety valve with exchange cock, both on the high and low pressure branches.

**BRC1:** Condensate drip tray. Consider 1 for each V-block.

## ACCESSORIES COMPATIBILITY

| Model              | Ver    | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|--------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AER485P1           | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AER485P1 x no. 2   | °A,E,L |      |      |      |      |      |      |      |      |      |      |      |      | *    | *    | *    | *    | *    |
| AERBAC-ONE         | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERBAC-ONE x no. 2 | °A,E,L |      |      |      |      |      |      |      |      |      |      |      | *    | *    | *    | *    | *    | *    |
| AERBACP            | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERBACP x no. 2    | °A,E,L |      |      |      |      |      |      |      |      |      |      |      | *    | *    | *    | *    | *    | *    |
| AERLINK            | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERNET             | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| FL                 | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| MULTICHILLER-EVO   | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| PGD1               | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

## Remote panel

| Model | Ver    | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|-------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PR4   | °A,E,L | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

The accessory PR4 should only be combined with the RS485 communication interface when the serial port is occupied by another device.

## Condensation control temperature

| Ver  | 0800        | 0900        | 1000        | 1100        | 1200        | 1400        | 1600        | 1800        | 2000        |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| °    | DCPX161     | DCPX161     | DCPX161     | DCPX163     | DCPX163     | DCPX163     | DCPX163     | DCPX165     | DCPX167     |
| A    | DCPX161     | DCPX163     | DCPX163     | DCPX163     | DCPX165     | DCPX165     | DCPX165     | DCPX165     | DCPX167     |
| E, L | As standard | As standard | As standard | As standard | As standard | As standard | As standard | As standard | As standard |

| Ver  | 2200        | 2400        | 2600        | 2800        | 3000        | 3200        | 3400        | 3600        |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| °    | DCPX167     | DCPX167     | DCPX174     | DCPX174     | DCPX175     | DCPX175     | DCPX175     | DCPX175     |
| A    | DCPX169     | DCPX169     | DCPX174     | DCPX175     | DCPX175     | DCPX175     | DCPX176     | DCPX176     |
| E, L | As standard | As standard | As standard | As standard | As standard | As standard | As standard | As standard |

#### Antivibration

| Ver                                                                                                                                                                                            | 0800    | 0900    | 1000    | 1100    | 1200    | 1400    | 1600    | 1800    | 2000    | 2200    | 2400    | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Integrated hydronic kit: 00</b>                                                                                                                                                             |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| °                                                                                                                                                                                              | AVX1151 | AVX1151 | AVX1151 | AVX1153 | AVX1153 | AVX1153 | AVX1153 | AVX1154 | AVX1163 | AVX1163 | AVX1163 | AVX1167 | AVX1167 | AVX1171 | AVX1171 | AVX1171 | AVX1171 |
| A, L                                                                                                                                                                                           | AVX1151 | AVX1153 | AVX1153 | AVX1153 | AVX1154 | AVX1154 | AVX1154 | AVX1156 | AVX1156 | AVX1159 | AVX1159 | AVX1167 | AVX1171 | AVX1171 | AVX1171 | AVX1169 | AVX1169 |
| E                                                                                                                                                                                              | AVX1153 | AVX1154 | AVX1154 | AVX1154 | AVX1156 | AVX1156 | AVX1159 | AVX1161 | AVX1161 | AVX1165 | AVX1165 | AVX1169 | AVX1173 | AVX1173 | AVX1173 | AVX1175 | AVX1175 |
| <b>Integrated hydronic kit: AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ</b> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| °                                                                                                                                                                                              | AVX1152 | AVX1152 | AVX1152 | AVX1152 | AVX1152 | AVX1152 | AVX1152 | AVX1155 | AVX1157 | AVX1157 | AVX1157 | AVX1168 | AVX1168 | AVX1172 | AVX1172 | AVX1172 | AVX1172 |
| A, L                                                                                                                                                                                           | AVX1152 | AVX1152 | AVX1152 | AVX1152 | AVX1155 | AVX1155 | AVX1155 | AVX1157 | AVX1157 | AVX1160 | AVX1160 | AVX1168 | AVX1172 | AVX1172 | AVX1172 | AVX1170 | AVX1170 |
| E                                                                                                                                                                                              | AVX1152 | AVX1155 | AVX1155 | AVX1155 | AVX1157 | AVX1157 | AVX1160 | AVX1162 | AVX1162 | AVX1166 | AVX1166 | AVX1170 | AVX1174 | AVX1174 | AVX1174 | AVX1176 | AVX1176 |
| <b>Integrated hydronic kit: DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ</b> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| °                                                                                                                                                                                              | AVX1151 | AVX1151 | AVX1151 | AVX1153 | AVX1153 | AVX1153 | AVX1153 | AVX1154 | AVX1163 | AVX1163 | AVX1163 | AVX1167 | AVX1167 | AVX1171 | AVX1171 | AVX1171 | AVX1171 |
| A, L                                                                                                                                                                                           | AVX1151 | AVX1153 | AVX1153 | AVX1153 | AVX1154 | AVX1154 | AVX1158 | AVX1156 | AVX1156 | AVX1164 | AVX1164 | AVX1167 | AVX1171 | AVX1171 | AVX1171 | AVX1169 | AVX1169 |
| E                                                                                                                                                                                              | AVX1153 | AVX1154 | AVX1154 | AVX1154 | AVX1156 | AVX1156 | AVX1159 | AVX1161 | AVX1161 | AVX1165 | AVX1165 | AVX1169 | AVX1173 | AVX1173 | AVX1173 | AVX1175 | AVX1175 |

#### Device for peak current reduction

| Ver        | 0800       | 0900       | 1000       | 1100       | 1200       | 1400       | 1600       | 1800       | 2000       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| °, A, E, L | DRENRG0800 | DRENRG0900 | DRENRG1000 | DRENRG1100 | DRENRG1200 | DRENRG1400 | DRENRG1600 | DRENRG1800 | DRENRG2000 |

A grey background indicates the accessory must be assembled in the factory

| Ver        | 2200       | 2400       | 2600       | 2800       | 3000       | 3200       | 3400       | 3600       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| °, A, E, L | DRENRG2200 | DRENRG2400 | DRENRG2600 | DRENRG2800 | DRENRG3000 | DRENRG3200 | DRENRG3400 | DRENRG3600 |

A grey background indicates the accessory must be assembled in the factory

#### Power factor correction

| Ver        | 0800       | 0900       | 1000       | 1100       | 1200       | 1400       | 1600       | 1800       | 2000       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| °, A, E, L | RIFNRG0800 | RIFNRG0900 | RIFNRG1000 | RIFNRG1100 | RIFNRG1200 | RIFNRG1400 | RIFNRG1600 | RIFNRG1800 | RIFNRG2000 |

A grey background indicates the accessory must be assembled in the factory

| Ver        | 2200       | 2400       | 2600       | 2800       | 3000       | 3200       | 3400       | 3600       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| °, A, E, L | RIFNRG2200 | RIFNRG2400 | RIFNRG2600 | RIFNRG2800 | RIFNRG3000 | RIFNRG3200 | RIFNRG3400 | RIFNRG3600 |

A grey background indicates the accessory must be assembled in the factory

#### Anti-intrusion grid

| Ver  | 0800  | 0900  | 1000  | 1100  | 1200  | 1400  | 1600  | 1800 | 2000 | 2200 | 2400 | 2600  | 2800  | 3000  | 3200  | 3400  | 3600  |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| °    | GP2VN | GP2VN | GP2VN | GP3G  | GP3G  | GP3G  | GP3G  | GP4G | GP5G | GP5G | GP5G | GP11G | GP10G | GP12G | GP12G | GP12G | GP12G |
| A, L | GP2VN | GP3G  | GP3G  | GP3G  | GP4GM | GP4GM | GP4GM | GP5G | GP5G | GP6G | GP6G | GP11G | GP12G | GP12G | GP12G | GP13G | GP13G |
| E    | GP3G  | GP4GM | GP4GM | GP4GM | GP5GM | GP5GM | GP6G  | GP7G | GP7G | GP8G | GP8G | GP13G | GP14G | GP14G | GP14G | GP15G | GP15G |

A grey background indicates the accessory must be assembled in the factory

■ GP2VN becomes GP2VNA if configured with a type A or B hydronic kit

#### Double safety valves

| Ver        | 0800     | 0900     | 1000     | 1100     | 1200     | 1400     | 1600     | 1800     | 2000     | 2200     | 2400     | 2600     | 2800     | 3000     | 3200     | 3400     | 3600     |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| °, A, E, L | T6NRGLS1 | T6NRGLS1 | T6NRGLS1 | T6NRGLS1 | T6NRGLS1 | T6NRGLS1 | T6NRGLS1 | T6NRGLS2 | T6NRGLS3 | T6NRGLS3 | T6NRGLS3 | T6NRGLS3 | T6NRGLS4 | T6NRGLS5 | T6NRGLS5 | T6NRGLS5 | T6NRGLS5 |

A grey background indicates the accessory must be assembled in the factory

#### Condensate drip.

| Ver  | 0800         | 0900         | 1000         | 1100         | 1200         | 1400         | 1600         | 1800         | 2000         |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| °    | BRC1 x 2 (1) | BRC1 x 2 (1) | BRC1 x 2 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 4 (1) | BRC1 x 5 (1) |
| A, L | BRC1 x 2 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 3 (1) | BRC1 x 4 (1) | BRC1 x 4 (1) | BRC1 x 4 (1) | BRC1 x 5 (1) |
| E    | BRC1 x 3 (1) | BRC1 x 4 (1) | BRC1 x 4 (1) | BRC1 x 4 (1) | BRC1 x 4 (1) | BRC1 x 5 (1) | BRC1 x 5 (1) | BRC1 x 6 (1) | BRC1 x 7 (1) |

(1) Condensate drip tray. Consider 1 for each V-block.

A grey background indicates the accessory must be assembled in the factory

| Ver  | 2200         | 2400         | 2600         | 2800          | 3000          | 3200          | 3400          | 3600          |
|------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| °    | BRC1 x 5 (1) | BRC1 x 5 (1) | BRC1 x 7 (1) | BRC1 x 7 (1)  | BRC1 x 8 (1)  | BRC1 x 8 (1)  | BRC1 x 8 (1)  | BRC1 x 8 (1)  |
| A, L | BRC1 x 6 (1) | BRC1 x 6 (1) | BRC1 x 7 (1) | BRC1 x 8 (1)  | BRC1 x 8 (1)  | BRC1 x 8 (1)  | BRC1 x 9 (1)  | BRC1 x 9 (1)  |
| E    | BRC1 x 8 (1) | BRC1 x 8 (1) | BRC1 x 9 (1) | BRC1 x 10 (1) | BRC1 x 10 (1) | BRC1 x 10 (1) | BRC1 x 11 (1) | BRC1 x 11 (1) |

(1) Condensate drip tray. Consider 1 for each V-block.

A grey background indicates the accessory must be assembled in the factory

## CONFIGURATOR

| Field          | Description                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------|
| <b>1,2,3</b>   | <b>NRG</b>                                                                                                          |
| <b>4,5,6,7</b> | <b>Size</b><br>0800, 0900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600 |
| <b>8</b>       | <b>Operating field</b>                                                                                              |
| X              | Electronic thermostatic expansion valve (1)                                                                         |
| Z              | Low temperature electronic thermostatic valve (2)                                                                   |
| <b>9</b>       | <b>Model</b>                                                                                                        |
| H              | Heat pump                                                                                                           |
| <b>10</b>      | <b>Heat recovery</b>                                                                                                |
| D              | With desuperheater (3)                                                                                              |
| °              | Without heat recovery                                                                                               |
| <b>11</b>      | <b>Version</b>                                                                                                      |
| °              | Standard                                                                                                            |
| A              | High efficiency                                                                                                     |
| E              | Silenced high efficiency                                                                                            |
| L              | Standard silenced                                                                                                   |
| <b>12</b>      | <b>Coils</b>                                                                                                        |
| R              | Copper pipes-copper fins                                                                                            |
| V              | Copper pipes-Coated aluminium fins                                                                                  |
| °              | Copper-aluminium                                                                                                    |
| <b>13</b>      | <b>Fans</b>                                                                                                         |
| J              | Inverter                                                                                                            |
| °              | Standard                                                                                                            |
| <b>14</b>      | <b>Power supply</b>                                                                                                 |
| °              | 400V ~ 3 50Hz with magnet circuit breakers                                                                          |
| <b>15,16</b>   | <b>Integrated hydronic kit</b>                                                                                      |
| 00             | Without hydronic kit                                                                                                |
|                | <b>Kit with n° 1 pump</b>                                                                                           |
| PA             | Pump A                                                                                                              |
| PB             | Pump B                                                                                                              |
| PC             | Pump C                                                                                                              |
| PD             | Pump D                                                                                                              |
| PE             | Pump E                                                                                                              |
| PF             | Pump F                                                                                                              |
| PG             | Pump G                                                                                                              |
| PH             | Pump H                                                                                                              |
| PI             | Pump I                                                                                                              |
| PJ             | Pump J (4)                                                                                                          |
|                | <b>Pump n° 1 pump + stand-by pump</b>                                                                               |
| DA             | Pump A + stand-by pump                                                                                              |
| DB             | Pump B + stand-by pump                                                                                              |
| DC             | Pump C + stand-by pump                                                                                              |
| DD             | Pump D + stand-by pump                                                                                              |
| DE             | Pump E + stand-by pump                                                                                              |
| DF             | Pump F + stand-by pump                                                                                              |
| DG             | Pump G + stand-by pump                                                                                              |
| DH             | Pump H + stand-by pump                                                                                              |
| DI             | Pump I + stand-by pump                                                                                              |
| DJ             | Pump J + stand-by pump (4)                                                                                          |
|                | <b>Kit with storage tank and n° 1 pump</b>                                                                          |
| AA             | Storage tank and pump A                                                                                             |
| AB             | Storage tank and pump B                                                                                             |
| AC             | Storage tank and pump C                                                                                             |
| AD             | Storage tank and pump D                                                                                             |
| AE             | Storage tank and pump E                                                                                             |
| AF             | Storage tank and pump F                                                                                             |
| AG             | Storage tank and pump G                                                                                             |
| AH             | Storage tank and pump H                                                                                             |
| AI             | Storage tank and pump I                                                                                             |
| AJ             | Storage tank and pump J (4)                                                                                         |
|                | <b>Kit with storage tank and n° 1 pump + stand-by pump</b>                                                          |
| BA             | Storage tank with pump A + stand-by pump                                                                            |
| BB             | Storage tank with pump B + stand-by pump                                                                            |

| Field | Description                                                                     |
|-------|---------------------------------------------------------------------------------|
| BC    | Storage tank with pump C + stand-by pump                                        |
| BD    | Storage tank with pump D + stand-by pump                                        |
| BE    | Storage tank with pump E + stand-by pump                                        |
| BF    | Storage tank with pump F + stand-by pump                                        |
| BG    | Storage tank with pump G + stand-by pump                                        |
| BH    | Storage tank with pump H + stand-by pump                                        |
| BI    | Storage tank with pump I + stand-by pump                                        |
| BJ    | Storage tank with pump J + stand-by pump (4)                                    |
|       | <b>Kit with n° 1 inverter pump to fixed speed</b>                               |
| IA    | Pump A equipped with inverter device to work at fixed speed                     |
| IB    | Pump B equipped with inverter device to work at fixed speed                     |
| IC    | Pump C equipped with inverter device to work at fixed speed                     |
| ID    | Pump D equipped with inverter device to work at fixed speed                     |
| IE    | Pump E equipped with inverter device to work at fixed speed                     |
| IF    | Pump F equipped with inverter device to work at fixed speed (5)                 |
| IG    | Pump G equipped with inverter device to work at fixed speed (5)                 |
| IH    | Pump H equipped with inverter device to work at fixed speed (5)                 |
| II    | Pump I equipped with inverter device to work at fixed speed (5)                 |
| IJ    | Pump J equipped with inverter device to work at fixed speed (6)                 |
|       | <b>Kit with n° 1 inverter pump + stand-by pump to fixed speed</b>               |
| JA    | Pump A+stand-by pump, both equipped with inverter to work at fixed speed        |
| JB    | Pump B+stand-by pump, both equipped with inverter to work at fixed speed        |
| JC    | Pump C+stand-by pump, both equipped with inverter to work at fixed speed        |
| JD    | Pump D+stand-by pump, both equipped with inverter to work at fixed speed        |
| JE    | Pump E+stand-by pump, both equipped with inverter to work at fixed speed        |
| JF    | Pump F+stand-by pump, both equipped with inverter to work at fixed speed (5)    |
| JG    | Pump G+stand-by pump, both equipped with inverter to work at fixed speed (5)    |
| JH    | Pump H+stand-by pump, both equipped with inverter to work at fixed speed (5)    |
| JI    | Pump I+stand-by pump, both equipped with inverter to work at fixed speed (5)    |
| JJ    | Pump J+stand-by pump, both equipped with inverter to work at fixed speed (6)    |
|       | <b>Kit with storage tank and n° 1 inverter pump to fixed speed</b>              |
| CA    | Buffer tank + pump A, equipped with inverter to work at fixed speed             |
| CB    | Buffer tank + pump B, equipped with inverter to work at fixed speed             |
| CC    | Buffer tank + pump C, equipped with inverter to work at fixed speed             |
| CD    | Buffer tank + pump D, equipped with inverter to work at fixed speed             |
| CE    | Buffer tank + pump E, equipped with inverter to work at fixed speed             |
| CF    | Buffer tank + pump F, equipped with inverter to work at fixed speed (5)         |
| CG    | Buffer tank + pump G, equipped with inverter to work at fixed speed (5)         |
| CH    | Buffer tank + pump H, equipped with inverter to work at fixed speed (5)         |
| CI    | Buffer tank + pump I, equipped with inverter to work at fixed speed (5)         |
| CJ    | Buffer tank + pump J, equipped with inverter to work at fixed speed (6)         |
|       | <b>Kit with storage tank and n° 1 pump + stand-by pump to fixed speed</b>       |
| KA    | Buffer tank+pump A+stand-by pump, both with inverter to work at fixed speed     |
| KB    | Buffer tank+pump B+stand-by pump, both with inverter to work at fixed speed     |
| KC    | Buffer tank+pump C+stand-by pump, both with inverter to work at fixed speed     |
| KD    | Buffer tank+pump D+stand-by pump, both with inverter to work at fixed speed     |
| KE    | Buffer tank+pump E+stand-by pump, both with inverter to work at fixed speed     |
| KF    | Buffer tank+pump F+stand-by pump, both with inverter to work at fixed speed (5) |
| KG    | Buffer tank+pump G+stand-by pump, both with inverter to work at fixed speed (5) |
| KH    | Buffer tank+pump H+stand-by pump, both with inverter to work at fixed speed (5) |
| KI    | Buffer tank+pump I+stand-by pump, both with inverter to work at fixed speed (5) |
| KJ    | Buffer tank+pump J+stand-by pump, both with inverter to work at fixed speed (6) |

(1) Water produced from 4 °C ÷ 20 °C

(2) Water produced from 8 °C ÷ -10 °C

(3) This option is not available with the Z operating field. The desuperheater must be intercepted in heating mode. In cooling mode, a water temperature no lower than 35°C must always be guaranteed on the heat exchanger inlet.

(4) For all configurations including pump J please contact the factory.

(5) Hydronic kit not available with sizes 0800 version °/L/A, 0900 version °, 1000 version °, 1800 version °.

(6) For all possible configurations which include the "J" pump please be in touch with Aermec. Hydronic kit is not available with sizes 0800 version °/L/A, 0900 version °, 1000 version °, 1800 version °.

## PERFORMANCE SPECIFICATIONS

### NRG H°

| Size                                         |     | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200    | 2400    | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|----------------------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Fans: J, °</b>                            |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| <b>Cooling performance 12 °C / 7 °C (1)</b>  |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Cooling capacity                             | kW  | 200,5  | 220,2  | 238,5  | 292,2  | 325,7  | 353,6  | 381,6  | 456,8  | 531,9  | 561,5   | 591,1   | 705,6   | 749,2   | 824,6   | 859,3   | 895,1   | 925,3   |
| Input power                                  | kW  | 72,8   | 83,7   | 95,6   | 107,5  | 123,5  | 144,5  | 160,8  | 179,5  | 199,4  | 219,3   | 239,1   | 249,8   | 277,9   | 299,4   | 317,7   | 334,1   | 354,4   |
| Cooling total input current                  | A   | 127,00 | 144,00 | 163,00 | 182,00 | 207,00 | 238,00 | 268,00 | 300,00 | 333,00 | 362,00  | 391,00  | 424,00  | 485,00  | 506,00  | 527,00  | 567,00  | 597,00  |
| EER                                          | W/W | 2,75   | 2,63   | 2,49   | 2,72   | 2,64   | 2,45   | 2,37   | 2,55   | 2,67   | 2,56    | 2,47    | 2,83    | 2,70    | 2,75    | 2,70    | 2,68    | 2,61    |
| Water flow rate system side                  | l/h | 34.503 | 37.880 | 41.031 | 50.268 | 56.029 | 60.821 | 65.615 | 78.560 | 91.483 | 96.570  | 101.650 | 121.347 | 128.839 | 141.815 | 147.773 | 153.929 | 159.128 |
| Pressure drop system side                    | kPa | 25     | 30     | 35     | 45     | 45     | 47     | 29     | 42     | 50     | 49      | 47      | 53      | 60      | 69      | 73      | 75      | 79      |
| <b>Heating performance 40 °C / 45 °C (2)</b> |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Heating capacity                             | kW  | 212,2  | 235,2  | 256,2  | 310,2  | 348,1  | 384,0  | 416,2  | 492,2  | 568,3  | 603,5   | 638,4   | 729,6   | 782,6   | 858,4   | 896,3   | 931,7   | 966,8   |
| Input power                                  | kW  | 66,1   | 73,5   | 80,8   | 98,1   | 109,5  | 123,5  | 129,7  | 153,3  | 175,5  | 186,3   | 198,1   | 232,9   | 252,2   | 275,3   | 288,2   | 299,7   | 312,5   |
| Heating total input current                  | A   | 120,00 | 133,00 | 145,00 | 173,00 | 190,00 | 210,00 | 221,00 | 263,00 | 303,00 | 319,00  | 337,00  | 395,00  | 430,00  | 471,00  | 490,00  | 506,00  | 524,00  |
| COP                                          | W/W | 3,21   | 3,20   | 3,17   | 3,16   | 3,18   | 3,11   | 3,21   | 3,21   | 3,24   | 3,24    | 3,22    | 3,13    | 3,10    | 3,12    | 3,11    | 3,11    | 3,09    |
| Water flow rate system side                  | l/h | 36.823 | 40.823 | 44.470 | 53.838 | 60.421 | 66.654 | 72.264 | 85.444 | 98.663 | 104.778 | 110.847 | 126.695 | 135.884 | 149.044 | 155.628 | 161.773 | 167.874 |
| Pressure drop system side                    | kPa | 29     | 36     | 42     | 53     | 54     | 58     | 37     | 52     | 60     | 60      | 58      | 58      | 66      | 76      | 81      | 83      | 88      |

(1) Data EN 14511:2022; Heat exchanger water (services side) 12 °C / 7 °C; outside air 35 °C

(2) Data EN 14511:2022; System side water heat exchanger 40 °C / 45 °C; Outside air 7 °C d.b. / 6 °C w.b.

### NRG HL

| Size                                         |     | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200    | 2400    | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|----------------------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Fans: J, °</b>                            |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| <b>Cooling performance 12 °C / 7 °C (1)</b>  |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Cooling capacity                             | kW  | 194,9  | 231,4  | 252,7  | 283,9  | 335,9  | 367,7  | 399,5  | 467,1  | 515,0  | 568,3   | 599,3   | 684,6   | 752,3   | 804,8   | 836,8   | 889,9   | 919,8   |
| Input power                                  | kW  | 73,7   | 78,6   | 88,8   | 107,7  | 118,0  | 136,6  | 154,7  | 175,4  | 203,9  | 213,7   | 232,1   | 255,0   | 275,5   | 305,5   | 325,1   | 334,6   | 353,5   |
| Cooling total input current                  | A   | 125,00 | 136,00 | 153,00 | 179,00 | 196,00 | 222,00 | 249,00 | 285,00 | 331,00 | 346,00  | 374,00  | 420,00  | 457,00  | 506,00  | 528,00  | 540,00  | 568,00  |
| EER                                          | W/W | 2,65   | 2,94   | 2,85   | 2,64   | 2,85   | 2,69   | 2,58   | 2,66   | 2,53   | 2,66    | 2,58    | 2,69    | 2,73    | 2,63    | 2,57    | 2,66    | 2,60    |
| Water flow rate system side                  | l/h | 33.540 | 39.819 | 43.473 | 48.838 | 57.788 | 63.245 | 68.702 | 80.332 | 88.566 | 97.728  | 103.054 | 117.728 | 129.370 | 138.391 | 143.907 | 153.027 | 158.170 |
| Pressure drop system side                    | kPa | 23     | 33     | 34     | 39     | 45     | 47     | 33     | 39     | 41     | 49      | 35      | 51      | 59      | 64      | 67      | 75      | 70      |
| <b>Heating performance 40 °C / 45 °C (2)</b> |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Heating capacity                             | kW  | 209,6  | 244,9  | 268,8  | 305,3  | 357,3  | 394,2  | 431,7  | 502,3  | 558,0  | 611,4   | 647,2   | 717,8   | 788,1   | 844,0   | 880,6   | 933,5   | 969,8   |
| Input power                                  | kW  | 64,6   | 76,2   | 83,3   | 95,6   | 111,1  | 123,9  | 131,4  | 152,8  | 170,0  | 186,9   | 199,5   | 227,5   | 249,8   | 267,9   | 280,7   | 297,4   | 310,8   |
| Heating total input current                  | A   | 115,00 | 134,00 | 147,00 | 165,00 | 188,00 | 207,00 | 219,00 | 257,00 | 288,00 | 313,00  | 333,00  | 378,00  | 416,00  | 447,00  | 466,00  | 491,00  | 512,00  |
| COP                                          | W/W | 3,24   | 3,22   | 3,23   | 3,19   | 3,22   | 3,18   | 3,29   | 3,29   | 3,28   | 3,27    | 3,24    | 3,15    | 3,16    | 3,15    | 3,14    | 3,14    | 3,12    |
| Water flow rate system side                  | l/h | 36.369 | 42.513 | 46.657 | 52.988 | 62.021 | 68.420 | 74.962 | 87.217 | 96.884 | 106.143 | 112.386 | 124.645 | 136.849 | 146.552 | 152.908 | 162.100 | 168.406 |
| Pressure drop system side                    | kPa | 28     | 39     | 40     | 47     | 53     | 56     | 40     | 47     | 51     | 60      | 42      | 57      | 66      | 71      | 75      | 84      | 80      |

(1) Data EN 14511:2022; Heat exchanger water (services side) 12 °C / 7 °C; outside air 35 °C

(2) Data EN 14511:2022; System side water heat exchanger 40 °C / 45 °C; Outside air 7 °C d.b. / 6 °C w.b.

### NRG HA

| Size                                         |     | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200    | 2400    | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|----------------------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Fans: J, °</b>                            |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| <b>Cooling performance 12 °C / 7 °C (1)</b>  |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Cooling capacity                             | kW  | 200,5  | 236,4  | 258,7  | 292,2  | 344,0  | 378,0  | 412,2  | 480,7  | 532,0  | 584,8   | 618,3   | 700,8   | 768,8   | 824,7   | 859,0   | 911,3   | 943,6   |
| Input power                                  | kW  | 71,4   | 78,5   | 88,2   | 105,8  | 117,2  | 134,5  | 151,4  | 172,4  | 196,2  | 210,0   | 227,1   | 245,1   | 271,0   | 296,0   | 314,1   | 327,9   | 345,4   |
| Cooling total input current                  | A   | 127,00 | 141,00 | 157,00 | 182,00 | 201,00 | 226,00 | 251,00 | 289,00 | 333,00 | 351,00  | 377,00  | 424,00  | 462,00  | 509,00  | 529,00  | 545,00  | 571,00  |
| EER                                          | W/W | 2,81   | 3,01   | 2,93   | 2,76   | 2,94   | 2,81   | 2,72   | 2,79   | 2,71   | 2,78    | 2,72    | 2,86    | 2,84    | 2,79    | 2,73    | 2,78    | 2,73    |
| Water flow rate system side                  | l/h | 34.505 | 40.669 | 44.506 | 50.268 | 59.178 | 65.028 | 70.879 | 82.668 | 91.485 | 100.578 | 106.317 | 120.517 | 132.216 | 141.823 | 147.725 | 156.722 | 162.264 |
| Pressure drop system side                    | kPa | 24     | 33     | 34     | 39     | 45     | 47     | 33     | 39     | 42     | 50      | 35      | 53      | 61      | 67      | 70      | 79      | 74      |
| <b>Heating performance 40 °C / 45 °C (2)</b> |     |        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |
| Heating capacity                             | kW  | 214,2  | 249,2  | 273,9  | 311,8  | 364,1  | 404,2  | 439,5  | 510,6  | 568,3  | 624,2   | 661,5   | 726,3   | 796,9   | 854,6   | 892,3   | 944,8   | 982,2   |
| Input power                                  | kW  | 65,5   | 76,7   | 84,1   | 96,3   | 111,6  | 125,5  | 132,9  | 153,9  | 171,9  | 189,2   | 201,7   | 229,0   | 250,4   | 268,2   | 280,9   | 299,3   | 312,3   |
| Heating total input current                  | A   | 119,00 | 139,00 | 152,00 | 170,00 | 195,00 | 215,00 | 227,00 | 265,00 | 298,00 | 325,00  | 344,00  | 389,00  | 428,00  | 458,00  | 477,00  | 506,00  | 526,00  |
| COP                                          | W/W | 3,27   | 3,25   | 3,25   | 3,24   | 3,26   | 3,22   | 3,31   | 3,32   | 3,31   | 3,30    | 3,28    | 3,17    | 3,18    | 3,19    | 3,18    | 3,16    | 3,15    |
| Water flow rate system side                  | l/h | 37.179 | 43.255 | 47.538 | 54.127 | 63.192 | 70.158 | 76.308 | 88.642 | 98.663 | 108.366 | 114.875 | 126.116 | 138.372 | 148.390 | 154.943 | 164.062 | 170.550 |
| Pressure drop system side                    | kPa | 29     | 40     | 41     | 49     | 55     | 58     | 41     | 49     | 53     | 62      | 44      | 58      | 67      | 73      | 77      | 86      | 82      |

(1) Data EN 14511:2022; Heat exchanger water (services side) 12 °C / 7 °C; outside air 35 °C

(2) Data EN 14511:2022; System side water heat exchanger 40 °C / 45 °C; Outside air 7 °C d.b. / 6 °C w.b.

## NRG HE

| Size                                         |     | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000    | 2200    | 2400    | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|----------------------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Fans: J, °</b>                            |     |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
| <b>Cooling performance 12 °C / 7 °C (1)</b>  |     |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
| Cooling capacity                             | kW  | 210,2  | 241,4  | 265,0  | 301,3  | 349,5  | 385,3  | 433,9  | 499,0  | 555,3   | 602,8   | 639,1   | 718,4   | 790,6   | 846,2   | 879,4   | 924,9   | 962,3   |
| Input power                                  | kW  | 68,8   | 76,7   | 85,7   | 101,9  | 115,0  | 130,8  | 142,8  | 165,0  | 189,0   | 202,2   | 217,7   | 241,7   | 264,6   | 289,3   | 308,3   | 320,7   | 337,3   |
| Cooling total input current                  | A   | 120,00 | 135,00 | 150,00 | 173,00 | 192,00 | 215,00 | 234,00 | 272,00 | 312,00  | 332,00  | 355,00  | 390,00  | 433,00  | 474,00  | 493,00  | 512,00  | 536,00  |
| EER                                          | W/W | 3,05   | 3,15   | 3,09   | 2,96   | 3,04   | 2,94   | 3,04   | 3,02   | 2,94    | 2,98    | 2,94    | 2,97    | 2,99    | 2,93    | 2,85    | 2,88    | 2,85    |
| Water flow rate system side                  | l/h | 36.167 | 41.535 | 45.585 | 51.820 | 60.126 | 66.279 | 74.616 | 85.811 | 95.491  | 103.665 | 109.890 | 123.535 | 135.965 | 145.529 | 151.221 | 159.049 | 165.476 |
| Pressure drop system side                    | kPa | 24     | 33     | 34     | 40     | 45     | 47     | 33     | 40     | 42      | 50      | 35      | 56      | 62      | 70      | 74      | 71      | 74      |
| <b>Heating performance 40 °C / 45 °C (2)</b> |     |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
| Heating capacity                             | kW  | 220,6  | 251,8  | 277,3  | 320,3  | 367,5  | 407,1  | 456,1  | 525,1  | 586,9   | 634,6   | 674,7   | 737,8   | 806,3   | 867,9   | 904,3   | 951,9   | 991,9   |
| Input power                                  | kW  | 67,2   | 77,5   | 84,8   | 98,3   | 110,5  | 122,3  | 137,5  | 158,0  | 176,7   | 191,9   | 204,0   | 230,9   | 251,4   | 270,6   | 283,3   | 299,9   | 313,6   |
| Heating total input current                  | A   | 119,00 | 137,00 | 150,00 | 170,00 | 189,00 | 207,00 | 229,00 | 266,00 | 299,00  | 321,00  | 340,00  | 384,00  | 419,00  | 452,00  | 470,00  | 497,00  | 516,00  |
| COP                                          | W/W | 3,28   | 3,25   | 3,27   | 3,26   | 3,33   | 3,33   | 3,32   | 3,32   | 3,31    | 3,31    | 3,31    | 3,20    | 3,21    | 3,21    | 3,19    | 3,17    | 3,16    |
| Water flow rate system side                  | l/h | 38.284 | 43.702 | 48.137 | 55.596 | 63.813 | 70.679 | 79.187 | 91.172 | 101.894 | 110.186 | 117.170 | 128.108 | 140.013 | 150.692 | 157.019 | 165.295 | 172.243 |
| Pressure drop system side                    | kPa | 31     | 35     | 39     | 45     | 36     | 35     | 44     | 45     | 55      | 47      | 39      | 60      | 65      | 75      | 79      | 77      | 81      |

(1) Data EN 14511:2022; Heat exchanger water (services side) 12 °C / 7 °C; outside air 35 °C

(2) Data EN 14511:2022; System side water heat exchanger 40 °C / 45 °C; Outside air 7 °C d.b. / 6 °C w.b.

## ENERGY INDEX

| Size                                                                   |        | 0800 | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200   | 2400   | 2600   | 2800   | 3000   | 3200   | 3400   | 3600   |
|------------------------------------------------------------------------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Fans: J</b>                                                         |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| <b>SEER - 12/7 (EN14825:2018)</b>                                      |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| SEER                                                                   | °      | W/W  | 3,99   | 4,13   | 3,85   | 4,14   | 4,03   | 3,85   | 3,78   | 4,02   | 4,18   | -      | -      | -      | -      | -      | -      | -      |
|                                                                        | A      | W/W  | 4,21   | 4,60   | 4,33   | 4,33   | 4,64   | 4,28   | 4,30   | 4,30   | 4,24   | 4,60   | 4,57   | 4,56   | 4,55   | 4,55   | 4,57   | -      |
|                                                                        | E      | W/W  | 4,57   | 4,84   | 4,78   | 4,63   | 4,86   | 4,65   | 4,84   | 4,85   | 4,59   | 4,71   | 4,60   | 4,83   | 4,85   | 4,83   | 4,75   | 4,72   |
|                                                                        | L      | W/W  | 4,14   | 4,50   | 4,42   | 4,36   | 4,65   | 4,49   | 4,25   | 4,41   | 4,29   | 4,60   | 4,60   | 4,62   | 4,68   | 4,61   | 4,58   | 4,59   |
| Seasonal efficiency                                                    | °      | %    | 156,55 | 162,18 | 151,07 | 162,56 | 158,38 | 151,17 | 148,01 | 157,78 | 164,02 | -      | -      | -      | -      | -      | -      | -      |
|                                                                        | A      | %    | 165,33 | 180,97 | 170,08 | 170,24 | 182,77 | 168,02 | 169,07 | 169,03 | 166,70 | 181,00 | 181,00 | 179,77 | 179,57 | 179,16 | 179,00 | 179,78 |
|                                                                        | E      | %    | 179,71 | 190,58 | 188,18 | 182,12 | 191,57 | 183,17 | 190,66 | 191,17 | 180,51 | 185,26 | 180,82 | 190,31 | 191,02 | 190,04 | 186,94 | 185,62 |
|                                                                        | L      | %    | 162,77 | 177,18 | 173,80 | 171,26 | 182,97 | 176,45 | 167,10 | 173,34 | 168,59 | 181,00 | 181,99 | 184,20 | 181,27 | 180,13 | 182,57 | 180,71 |
| Water Regulation (1)                                                   | °      | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | -      | -      | -      | -      | -      | -      | -      |
|                                                                        | A      | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | -      |
|                                                                        | E,L    | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  |
| <b>SEER - 23/18 (EN14825:2018)</b>                                     |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| SEER                                                                   | °      | W/W  | 4,75   | 4,88   | 4,55   | 4,88   | 4,84   | 4,60   | 4,46   | 4,78   | 4,97   | 4,92   | 4,67   | 5,29   | 5,05   | 5,14   | 5,05   | 5,20   |
|                                                                        | A      | W/W  | 5,06   | 5,50   | 5,21   | 5,19   | 5,51   | 5,11   | 5,06   | 5,12   | 5,06   | 5,17   | 5,13   | 5,44   | 5,43   | 5,42   | 5,40   | 5,40   |
|                                                                        | E      | W/W  | 5,50   | 5,78   | 5,67   | 5,53   | 5,74   | 5,53   | 5,69   | 5,74   | 5,43   | 5,58   | 5,48   | 5,72   | 5,74   | 5,71   | 5,62   | 5,58   |
|                                                                        | L      | W/W  | 4,99   | 5,38   | 5,24   | 5,15   | 5,43   | 5,29   | 4,97   | 5,17   | 5,02   | 5,25   | 5,16   | 5,42   | 5,48   | 5,39   | 5,36   | 5,38   |
| Seasonal efficiency                                                    | °      | %    | 187,02 | 192,38 | 179,03 | 192,31 | 190,77 | 181,15 | 175,22 | 188,06 | 195,83 | 193,90 | 183,73 | 208,58 | 198,83 | 202,70 | 198,94 | 205,18 |
|                                                                        | A      | %    | 199,50 | 216,82 | 205,23 | 204,64 | 217,40 | 201,20 | 199,34 | 201,67 | 199,41 | 203,64 | 202,38 | 214,51 | 214,23 | 213,80 | 212,81 | 214,47 |
|                                                                        | E      | %    | 216,98 | 228,35 | 223,62 | 218,37 | 226,67 | 218,34 | 224,63 | 226,58 | 214,32 | 220,30 | 216,27 | 225,75 | 226,52 | 225,29 | 221,61 | 220,04 |
|                                                                        | L      | %    | 196,75 | 212,36 | 206,70 | 202,82 | 214,22 | 208,75 | 195,82 | 203,69 | 197,67 | 207,02 | 203,52 | 213,71 | 216,21 | 212,76 | 211,43 | 212,06 |
| Water Regulation (1)                                                   | °A,E,L | type | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  |
| <b>Performance in average ambient conditions (average) - 35 °C (2)</b> |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pdesignh                                                               | °      | kW   | 185,15 | 206,27 | 225,80 | 271,64 | 306,70 | 341,17 | 372,21 | 346,80 | 394,90 | 533,43 | 566,98 | 645,10 | 691,43 | 757,82 | 791,03 | 859,65 |
|                                                                        | A      | kW   | 186,81 | 215,44 | 237,59 | 273,01 | 317,40 | 354,80 | 387,51 | 352,00 | 394,10 | 547,41 | 583,64 | 637,24 | 698,68 | 748,91 | 781,72 | 866,82 |
|                                                                        | E      | kW   | 190,51 | 216,73 | 239,10 | 278,54 | 318,90 | 355,45 | 397,88 | 355,00 | 398,70 | 553,94 | 591,06 | 643,37 | 702,87 | 755,88 | 787,35 | 829,00 |
|                                                                        | L      | kW   | 182,77 | 212,20 | 233,63 | 267,88 | 312,29 | 347,00 | 381,96 | 349,40 | 391,00 | 537,91 | 572,89 | 631,81 | 693,20 | 742,02 | 773,96 | 819,92 |
| SCOP                                                                   | °      | W/W  | 3,75   | 3,72   | 3,74   | 3,65   | 3,72   | 3,69   | 3,84   | 3,87   | 3,90   | 3,92   | 3,98   | 3,85   | 3,79   | 3,79   | 3,78   | 3,76   |
|                                                                        | A      | W/W  | 3,98   | 3,87   | 3,91   | 3,92   | 3,89   | 3,93   | 4,04   | 4,03   | 4,08   | 4,08   | 4,13   | 4,01   | 4,00   | 3,98   | 3,95   | 3,90   |
|                                                                        | E      | W/W  | 3,94   | 3,86   | 3,89   | 3,90   | 3,88   | 4,00   | 4,05   | 4,08   | 4,09   | 4,09   | 4,13   | 3,97   | 3,96   | 3,93   | 3,90   | 3,86   |
|                                                                        | L      | W/W  | 3,85   | 3,81   | 3,86   | 3,82   | 3,85   | 3,87   | 3,94   | 3,98   | 4,02   | 3,99   | 4,06   | 3,91   | 3,90   | 3,89   | 3,87   | 3,84   |
| ηsh                                                                    | °      | %    | 147,19 | 145,69 | 146,78 | 143,12 | 145,88 | 144,64 | 150,61 | 151,86 | 152,83 | 153,82 | 156,25 | 151,09 | 148,73 | 148,69 | 148,14 | 147,30 |
|                                                                        | A      | %    | 156,18 | 151,63 | 153,29 | 153,97 | 152,61 | 154,02 | 158,79 | 158,12 | 160,03 | 160,11 | 162,27 | 157,55 | 157,00 | 156,15 | 155,08 | 154,33 |
|                                                                        | E      | %    | 154,67 | 151,25 | 152,53 | 152,86 | 152,04 | 156,84 | 159,16 | 160,06 | 160,74 | 160,54 | 162,33 | 155,94 | 155,35 | 154,31 | 152,99 | 151,57 |
|                                                                        | L      | %    | 151,15 | 149,30 | 151,53 | 149,80 | 151,00 | 151,92 | 154,77 | 156,17 | 157,80 | 156,44 | 159,42 | 153,41 | 152,88 | 152,46 | 151,65 | 150,49 |
| Water Regulation (1)                                                   | °A,E,L | type | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  |
| <b>Performance in average ambient conditions (average) - 55 °C (3)</b> |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pdesignh                                                               | °      | kW   | 185,15 | 206,27 | 225,80 | 271,64 | 306,70 | 341,17 | 372,21 | 346,80 | 394,90 | 533,43 | 566,98 | 645,10 | 691,43 | 757,82 | 791,03 | 859,65 |
|                                                                        | A      | kW   | 186,81 | 215,44 | 237,59 | 273,01 | 317,40 | 354,80 | 387,51 | 352,00 | 394,10 | 547,41 | 583,64 | 637,24 | 698,68 | 748,91 | 781,72 | 866,82 |
|                                                                        | E      | kW   | 190,51 | 216,73 | 239,10 | 278,54 | 318,90 | 355,45 | 397,88 | 355,00 | 398,70 | 553,94 | 591,06 | 643,37 | 702,87 | 755,88 | 787,35 | 829,00 |
|                                                                        | L      | kW   | 182,77 | 212,20 | 233,63 | 267,88 | 312,29 | 347,00 | 381,96 | 349,40 | 391,00 | 537,91 | 572,89 | 631,81 | 693,20 | 742,02 | 773,96 | 819,92 |
| SCOP                                                                   | °      | W/W  | 3,13   | 3,11   | 3,12   | 3,08   | 3,11   | 3,05   | 3,08   | 3,15   | 3,26   | 3,26   | 3,29   | 3,18   | 3,15   | 3,17   | 3,17   | 3,12   |
|                                                                        | A      | W/W  | 3,30   | 3,26   | 3,28   | 3,28   | 3,25   | 3,24   | 3,24   | 3,27   | 3,36   | 3,37   | 3,35   | 3,30   | 3,31   | 3,30   | 3,29   | 3,20   |
|                                                                        | E      | W/W  | 3,31   | 3,25   | 3,27   | 3,26   | 3,22   | 3,28   | 3,29   | 3,33   | 3,42   | 3,38   | 3,37   | 3,30   | 3,30   | 3,30   | 3,28   | 3,21   |
|                                                                        | L      | W/W  | 3,19   | 3,20   | 3,23   | 3,18   | 3,20   | 3,19   | 3,15   | 3,22   | 3,31   | 3,28   | 3,28   | 3,20   | 3,21   | 3,21   | 3,20   | 3,18   |

(1) VW/VO - variable water flow rate/variable outlet temperature; FW/VO - fixed water flow rate/variable outlet temperature; VW/FO - variable water flow rate/fixed outlet temperature; FW/FO - fixed water flow rate/fixed outlet temperature.

(2) Efficiencies for low temperature applications (35 °C)

(3) Efficiencies for average temperature applications (55 °C)

| Size                                                                                                                                                                                                                                            |        |      | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200   | 2400   | 2600   | 2800   | 3000   | 3200   | 3400   | 3600   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ηsh                                                                                                                                                                                                                                             | °      | %    | 122,27 | 121,29 | 121,95 | 120,26 | 121,59 | 119,01 | 120,35 | 122,90 | 127,46 | 127,29 | 128,67 | 124,30 | 123,00 | 123,82 | 123,69 | 123,98 | 121,67 |
|                                                                                                                                                                                                                                                 | A      | %    | 129,05 | 127,35 | 128,02 | 128,24 | 126,95 | 126,45 | 126,66 | 127,60 | 131,34 | 131,91 | 130,84 | 128,88 | 129,31 | 129,14 | 128,59 | 128,77 | 125,11 |
|                                                                                                                                                                                                                                                 | E      | %    | 129,38 | 127,17 | 127,67 | 127,41 | 125,90 | 128,13 | 128,78 | 130,27 | 133,70 | 132,16 | 131,79 | 129,12 | 129,08 | 129,12 | 128,32 | 127,41 | 125,24 |
|                                                                                                                                                                                                                                                 | L      | %    | 124,44 | 124,94 | 126,12 | 124,20 | 125,05 | 124,58 | 123,06 | 125,71 | 129,24 | 128,27 | 128,14 | 124,91 | 125,29 | 125,42 | 125,07 | 125,42 | 124,38 |
| Water Regulation (1)                                                                                                                                                                                                                            | °A,E,L | type | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  |
| (1) VW/VO - variable water flow rate/variable outlet temperature; FW/VO - fixed water flow rate/variable outlet temperature; VW/FO - variable water flow rate/fixed outlet temperature; FW/FO - fixed water flow rate/fixed outlet temperature. |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| (2) Efficiencies for low temperature applications (35 °C)                                                                                                                                                                                       |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| (3) Efficiencies for average temperature applications (55 °C)                                                                                                                                                                                   |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Size                                                                                                                                                                                                                                            |        |      | 0800   | 0900   | 1000   | 1100   | 1200   | 1400   | 1600   | 1800   | 2000   | 2200   | 2400   | 2600   | 2800   | 3000   | 3200   | 3400   | 3600   |
| <b>Fans: °</b>                                                                                                                                                                                                                                  |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| <b>SEER - 12/7 (EN14825: 2018)</b>                                                                                                                                                                                                              |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| SEER                                                                                                                                                                                                                                            | °      | W/W  | 3,89   | 4,03   | 3,78   | 4,07   | 3,88   | 3,77   | 3,69   | 3,86   | 4,06   | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | A      | W/W  | 4,00   | 4,38   | 4,13   | 4,15   | 4,46   | 4,19   | 4,22   | 4,20   | 4,16   | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | E      | W/W  | 4,33   | 4,60   | 4,59   | 4,43   | 4,66   | 4,39   | 4,65   | 4,61   | 4,39   | 4,58   | -      | 4,59   | 4,61   | 4,59   | -      | -      | -      |
|                                                                                                                                                                                                                                                 | L      | W/W  | 3,96   | 4,31   | 4,24   | 4,19   | 4,47   | 4,29   | 4,17   | 4,26   | 4,15   | -      | -      | -      | -      | -      | -      | -      | -      |
| Seasonal efficiency                                                                                                                                                                                                                             | °      | %    | 152,69 | 158,20 | 148,02 | 159,86 | 152,01 | 147,74 | 144,43 | 151,55 | 159,22 | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | A      | %    | 156,81 | 172,06 | 162,13 | 163,07 | 175,36 | 164,58 | 165,90 | 165,20 | 163,55 | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | E      | %    | 170,04 | 180,96 | 180,43 | 174,33 | 183,49 | 172,52 | 182,94 | 181,35 | 172,60 | 180,33 | -      | 180,66 | 181,42 | 180,52 | -      | -      | -      |
|                                                                                                                                                                                                                                                 | L      | %    | 155,45 | 169,56 | 166,78 | 164,53 | 175,76 | 168,44 | 163,89 | 167,52 | 162,83 | -      | -      | -      | -      | -      | -      | -      | -      |
| Water Regulation (1)                                                                                                                                                                                                                            | °L     | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | A      | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | -      | -      | -      | -      | -      | -      | -      | -      |
|                                                                                                                                                                                                                                                 | E      | type | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | VW/VO  | -      | VW/VO  | VW/VO  | VW/VO  | -      | -      | -      | -      |
| <b>SEER - 23/18 (EN14825: 2018)</b>                                                                                                                                                                                                             |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| SEER                                                                                                                                                                                                                                            | °      | W/W  | 4,63   | 4,77   | 4,46   | 4,80   | 4,65   | 4,50   | 4,35   | 4,59   | 4,83   | 4,79   | 4,55   | 5,29   | 5,05   | 5,14   | 5,05   | 5,05   | 5,20   |
|                                                                                                                                                                                                                                                 | A      | W/W  | 4,80   | 5,23   | 4,96   | 4,97   | 5,29   | 5,00   | 4,96   | 5,00   | 4,97   | 5,00   | 4,98   | 5,44   | 5,43   | 5,42   | 5,40   | 5,44   | 5,40   |
|                                                                                                                                                                                                                                                 | E      | W/W  | 5,21   | 5,49   | 5,43   | 5,29   | 5,49   | 5,21   | 5,46   | 5,45   | 5,19   | 5,43   | 5,36   | 5,72   | 5,74   | 5,71   | 5,62   | 5,64   | 5,58   |
|                                                                                                                                                                                                                                                 | L      | W/W  | 4,77   | 5,15   | 5,03   | 4,95   | 5,22   | 5,06   | 4,88   | 5,00   | 4,83   | 5,05   | 4,98   | 5,42   | 5,48   | 5,39   | 5,36   | 5,43   | 5,38   |
| Seasonal efficiency                                                                                                                                                                                                                             | °      | %    | 182,37 | 187,63 | 175,41 | 189,10 | 183,04 | 177,04 | 170,93 | 180,66 | 190,00 | 188,68 | 179,00 | 208,58 | 198,83 | 202,70 | 198,94 | 198,94 | 205,18 |
|                                                                                                                                                                                                                                                 | A      | %    | 189,14 | 206,09 | 195,59 | 195,87 | 208,48 | 197,12 | 195,59 | 197,11 | 195,60 | 197,09 | 196,06 | 214,51 | 214,23 | 213,80 | 212,81 | 214,47 | 212,86 |
|                                                                                                                                                                                                                                                 | E      | %    | 205,22 | 216,75 | 214,35 | 208,64 | 216,71 | 205,59 | 215,47 | 214,95 | 204,69 | 214,27 | 211,26 | 225,75 | 226,52 | 225,29 | 221,61 | 222,51 | 220,04 |
|                                                                                                                                                                                                                                                 | L      | %    | 187,83 | 203,17 | 198,28 | 194,83 | 205,74 | 199,23 | 192,01 | 196,85 | 190,38 | 199,16 | 196,06 | 213,71 | 216,21 | 212,76 | 211,43 | 214,15 | 212,06 |
| Water Regulation (1)                                                                                                                                                                                                                            | °A,E,L | type | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  | VW/FO  |
| <b>Performance in average ambient conditions (average) - 35 °C (2)</b>                                                                                                                                                                          |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pdesignh                                                                                                                                                                                                                                        | °      | kW   | 185,15 | 206,27 | 225,80 | 271,64 | 306,70 | 341,17 | 372,21 | 346,80 | 394,90 | 533,43 | 566,98 | 645,10 | 691,43 | 757,82 | 791,03 | 822,14 | 859,65 |
|                                                                                                                                                                                                                                                 | A      | kW   | 186,81 | 215,44 | 237,59 | 273,01 | 317,40 | 354,80 | 387,51 | 352,00 | 394,10 | 547,41 | 583,64 | 637,24 | 698,68 | 748,91 | 781,72 | 827,15 | 866,82 |
|                                                                                                                                                                                                                                                 | E      | kW   | 190,51 | 216,73 | 239,10 | 278,54 | 318,90 | 355,45 | 397,88 | 355,00 | 398,70 | 553,94 | 591,06 | 643,37 | 702,87 | 755,88 | 787,35 | 829,00 | 870,35 |
|                                                                                                                                                                                                                                                 | L      | kW   | 182,77 | 212,20 | 233,63 | 267,88 | 312,29 | 347,00 | 381,96 | 349,40 | 391,00 | 537,91 | 572,89 | 631,81 | 693,20 | 742,02 | 773,96 | 819,92 | 852,12 |
| SCOP                                                                                                                                                                                                                                            | °      | W/W  | 3,70   | 3,66   | 3,70   | 3,62   | 3,63   | 3,64   | 3,78   | 3,78   | 3,84   | 3,84   | 3,87   | 3,78   | 3,72   | 3,72   | 3,70   | 3,71   | 3,68   |
|                                                                                                                                                                                                                                                 | A      | W/W  | 3,86   | 3,75   | 3,80   | 3,83   | 3,80   | 3,84   | 3,96   | 3,92   | 4,00   | 3,97   | 4,03   | 3,93   | 3,92   | 3,90   | 3,87   | 3,86   | 3,82   |
|                                                                                                                                                                                                                                                 | E      | W/W  | 3,82   | 3,74   | 3,79   | 3,80   | 3,78   | 3,86   | 3,93   | 3,99   | 3,96   | 4,02   | 3,90   | 3,88   | 3,86   | 3,82   | 3,81   | 3,79   | 3,79   |
|                                                                                                                                                                                                                                                 | L      | W/W  | 3,75   | 3,71   | 3,77   | 3,73   | 3,72   | 3,81   | 3,90   | 3,89   | 3,95   | 3,88   | 3,95   | 3,83   | 3,82   | 3,81   | 3,79   | 3,78   | 3,76   |
| ηsh                                                                                                                                                                                                                                             | °      | %    | 144,95 | 143,51 | 145,03 | 141,70 | 142,39 | 142,72 | 148,37 | 148,22 | 150,74 | 150,57 | 151,99 | 148,07 | 145,75 | 145,71 | 145,18 | 145,33 | 144,35 |
|                                                                                                                                                                                                                                                 | A      | %    | 151,26 | 147,10 | 148,95 | 150,09 | 148,92 | 150,73 | 155,39 | 153,74 | 157,11 | 156,00 | 158,37 | 154,40 | 153,86 | 153,03 | 151,98 | 151,25 | 149,80 |
|                                                                                                                                                                                                                                                 | E      | %    | 149,60 | 146,63 | 148,74 | 148,95 | 148,14 | 151,30 | 155,26 | 154,27 | 156,73 | 155,51 | 157,88 | 152,82 | 152,24 | 151,22 | 149,93 | 149,22 | 148,54 |
|                                                                                                                                                                                                                                                 | L      | %    | 146,96 | 145,41 | 147,82 | 146,29 | 145,94 | 149,25 | 152,96 | 152,42 | 155,05 | 152,28 | 154,95 | 150,34 | 149,82 | 149,41 | 148,61 | 148,12 | 147,48 |
| Water Regulation (1)                                                                                                                                                                                                                            | °A,E,L | type | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  |
| <b>Performance in average ambient conditions (average) - 55 °C (3)</b>                                                                                                                                                                          |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pdesignh                                                                                                                                                                                                                                        | °      | kW   | 185,72 | 207,88 | 228,66 | 272,69 | 308,27 | 344,59 | 375,88 | 346,80 | 394,90 | 534,81 | 569,57 | 646,70 | 693,50 | 760,54 | 794,08 | 825,40 | 856,45 |
|                                                                                                                                                                                                                                                 | A      | kW   | 187,29 | 214,61 | 237,55 | 273,82 | 316,15 | 354,39 | 386,64 | 352,00 | 394,10 | 545,27 | 581,55 | 634,61 | 696,18 | 746,51 | 779,42 | 825,17 | 857,87 |
|                                                                                                                                                                                                                                                 | E      | kW   | 189,72 | 215,29 | 238,02 | 277,86 | 316,14 | 352,67 | 393,78 | 355,00 | 398,70 | 548,70 | 585,57 | 637,82 | 697,03 | 750,07 | 781,51 | 822,73 | 857,27 |
|                                                                                                                                                                                                                                                 | L      | kW   | 183,59 | 212,08 | 234,19 | 269,77 | 311,93 | 347,77 | 382,92 | 349,40 | 391,00 | 537,80 | 573,20 | 631,58 | 693,31 | 742,40 | 774,55 | 820,99 | 852,99 |
| SCOP                                                                                                                                                                                                                                            | °      | W/W  | 3,08   | 3,05   | 3,08   | 3,05   | 3,03   | 3,00   | 3,03   | 3,06   | 3,21   | 3,18   | 3,18   | 3,13   | 3,12   | 3,09   | 3,11   | 3,11   | 3,06   |
|                                                                                                                                                                                                                                                 | A      | W/W  | 3,18   | 3,15   | 3,17   | 3,19   | 3,16   | 3,16   | 3,17   | 3,17   | 3,29   | 3,27   | 3,25   | 3,23   | 3,24   | 3,24   | 3,23   | 3,23   | 3,14   |
|                                                                                                                                                                                                                                                 | E      | W/W  | 3,19   | 3,14   | 3,17   | 3,17   | 3,13   | 3,15   | 3,20   | 3,19   | 3,32   | 3,26   | 3,26   | 3,24   | 3,24   | 3,24   | 3,22   | 3,20   | 3,14   |
|                                                                                                                                                                                                                                                 | L      | W/W  | 3,09   | 3,10   | 3,14   | 3,10   | 3,08   | 3,12   | 3,11   | 3,13   | 3,23   | 3,18   | 3,17   | 3,14   | 3,14   | 3,15   | 3,14   | 3,15   | 3,12   |
| ηsh                                                                                                                                                                                                                                             | °      | %    | 120,10 | 119,16 | 120,24 | 118,86 | 118,20 | 117,16 | 118,26 | 119,46 | 125,22 | 124,15 | 124,36 | 121,80 | 120,53 | 121,33 | 121,20 | 121,49 | 119,23 |
|                                                                                                                                                                                                                                                 | A      | %    | 124,31 | 122,92 | 123,79 | 124,48 | 123,37 | 123,50 | 123,70 | 123,68 | 128,55 | 127,96 | 127,17 | 126,29 | 126,72 | 126,55 | 126,01 | 126,19 | 122,60 |
|                                                                                                                                                                                                                                                 | E      | %    | 124,44 | 122,65 | 123,96 | 123,61 | 122,14 | 122,87 | 125,09 | 124,79 | 129,60 | 127,34 | 127,57 | 126,53 | 126,49 | 126,53 | 125,75 | 124,86 | 122,72 |
|                                                                                                                                                                                                                                                 | L      | %    | 120,43 | 121,15 | 122,52 | 120,80 | 120,36 | 121,82 | 121,38 | 122,19 | 126,39 | 124,30 | 123,94 | 122,40 | 122,78 | 122,90 | 122,56 | 122,90 | 121,88 |
| Water Regulation (1)                                                                                                                                                                                                                            | °A,E,L | type | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  | FW/VO  |
| (1) VW/VO - variable water flow rate/variable outlet temperature; FW/VO - fixed water flow rate/variable outlet temperature; VW/FO - variable water flow rate/fixed outlet temperature; FW/FO - fixed water flow rate/fixed outlet temperature. |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| (2) Efficiencies for low temperature applications (35 °C)                                                                                                                                                                                       |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| (3) Efficiencies for average temperature applications (55 °C)                                                                                                                                                                                   |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

## ELECTRIC DATA

| Size                  |                |   | 0800  | 0900  | 1000  | 1100  | 1200  | 1400  | 1600  | 1800  | 2000  | 2200  | 2400  | 2600    | 2800    | 3000    | 3200    | 3400    | 3600    |
|-----------------------|----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|
| <b>Electric data</b>  |                |   |       |       |       |       |       |       |       |       |       |       |       |         |         |         |         |         |         |
| Maximum current (FLA) | °              | A | 162,2 | 180,5 | 198,8 | 234,5 | 262,4 | 290,3 | 318,1 | 371,7 | 425,3 | 453,2 | 481,1 | 542,5   | 588,3   | 641,9   | 669,8   | 697,7   | 725,5   |
|                       | A <sub>L</sub> | A | 162,2 | 188,3 | 206,6 | 234,5 | 270,2 | 298,1 | 325,9 | 379,5 | 425,3 | 461,0 | 488,9 | 542,5   | 596,1   | 641,9   | 669,8   | 705,5   | 733,3   |
|                       | E              | A | 170,0 | 196,1 | 214,4 | 242,3 | 278,0 | 305,9 | 341,5 | 395,1 | 440,9 | 476,6 | 504,5 | 558,1   | 611,7   | 657,5   | 685,4   | 721,1   | 748,9   |
| Peak current (LRA)    | °              | A | 365,6 | 421,7 | 440,0 | 696,8 | 724,7 | 752,6 | 780,4 | 834,1 | 887,7 | 915,5 | 943,4 | 1.004,8 | 1.050,6 | 1.104,2 | 1.132,1 | 1.160,0 | 1.187,8 |
|                       | A <sub>L</sub> | A | 365,6 | 429,5 | 447,8 | 696,8 | 732,5 | 760,4 | 788,2 | 841,9 | 887,7 | 923,3 | 951,2 | 1.004,8 | 1.058,4 | 1.104,2 | 1.132,1 | 1.167,8 | 1.195,6 |
|                       | E              | A | 373,4 | 437,3 | 455,6 | 704,6 | 740,3 | 768,2 | 803,8 | 857,5 | 903,3 | 938,9 | 966,8 | 1.020,4 | 1.074,0 | 1.119,8 | 1.147,7 | 1.183,4 | 1.211,2 |

Data calculated without hydronic kit and accessories.

## GENERAL TECHNICAL DATA

### Refrigerant circuit

| Size                           |   |                     | 0800  | 0900   | 1000  | 1100  | 1200  | 1400  | 1600  | 1800  | 2000  | 2200   | 2400   | 2600   | 2800   | 3000   | 3200   | 3400   | 3600   |
|--------------------------------|---|---------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Fans: °</b>                 |   |                     |       |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| <b>Compressor</b>              |   |                     |       |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Type                           | ° | A <sub>E</sub> L    | type  | Scroll |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Compressor regulation          | ° | A <sub>E</sub> L    | type  | On-Off |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Number                         | ° | A <sub>E</sub> L    | no.   | 4      | 4     | 4     | 4     | 4     | 4     | 5     | 6     | 6      | 6      | 7      | 8      | 9      | 9      | 9      | 9      |
| Circuits                       | ° | A <sub>E</sub> L    | no.   | 2      | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2      | 2      | 3      | 3      | 3      | 3      | 3      | 3      |
| Refrigerant                    | ° | A <sub>E</sub> L    | type  | R32    |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Total refrigerant charge (1)   | ° | kg                  | 26,00 | 26,00  | 26,00 | 42,50 | 43,00 | 41,50 | 45,00 | 54,50 | 70,80 | 68,00  | 68,00  | 98,00  | 114,10 | 115,40 | 114,80 | 112,00 | 112,00 |
|                                | A | kg                  | 28,60 | 44,00  | 42,00 | 43,00 | 56,00 | 56,00 | 58,50 | 66,00 | 68,00 | 80,00  | 82,00  | 103,10 | 114,10 | 112,60 | 119,50 | 124,00 | 126,60 |
|                                | E | kg                  | 43,50 | 57,00  | 53,10 | 55,00 | 70,50 | 69,80 | 94,00 | 94,00 | 94,00 | 103,60 | 103,60 | 138,60 | 138,60 | 138,60 | 143,00 | 147,60 | 147,60 |
|                                | L | kg                  | 28,60 | 44,00  | 42,00 | 43,00 | 56,00 | 56,00 | 58,50 | 66,00 | 68,00 | 80,00  | 82,00  | 103,10 | 110,60 | 113,00 | 114,00 | 124,00 | 126,00 |
| Potential global heating (GWP) | ° | A <sub>E</sub> L    | 675   |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Equivalent CO <sub>2</sub>     | ° | tCO <sub>2</sub> eq | 17,55 | 17,55  | 17,55 | 28,69 | 29,03 | 28,01 | 30,38 | 36,79 | 47,79 | 45,90  | 45,90  | 66,15  | 77,02  | 77,90  | 77,49  | 75,60  | 75,60  |
|                                | A | tCO <sub>2</sub> eq | 19,31 | 29,70  | 28,35 | 29,03 | 37,80 | 37,80 | 39,49 | 44,55 | 45,90 | 54,00  | 55,35  | 69,59  | 77,02  | 76,01  | 80,66  | 83,70  | 85,46  |
|                                | E | tCO <sub>2</sub> eq | 29,36 | 38,48  | 35,84 | 37,13 | 47,59 | 47,12 | 63,45 | 63,45 | 63,45 | 69,93  | 69,93  | 93,56  | 93,56  | 93,56  | 96,53  | 99,63  | 99,63  |
|                                | L | tCO <sub>2</sub> eq | 19,31 | 29,70  | 28,35 | 29,03 | 37,80 | 37,80 | 39,49 | 44,55 | 45,90 | 54,00  | 55,35  | 69,59  | 74,66  | 76,28  | 76,95  | 83,70  | 85,05  |

(1) The load indicated in the table is an estimated and preliminary value. The final value of the refrigerant load is indicated on the unit's technical label. For further information contact the office.

### System side heat exchanger

| Size                               |                |                  | 0800 | 0900           | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|------------------------------------|----------------|------------------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>System side heat exchanger</b>  |                |                  |      |                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Type                               | °              | A <sub>E</sub> L | type | Brazed plate   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Number                             | °              | A <sub>E</sub> L | no.  | 1              | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2    |
| <b>Integrated hydronic kit: 00</b> |                |                  |      |                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Hydraulic connections</b>       |                |                  |      |                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Connections (in/out)               | °              | A <sub>E</sub> L | Type | Grooved joints |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sizes (in/out)                     | °              | Ø                | 3"   | 3"             | 3"   | 3"   | 3"   | 4"   | 4"   | 4"   | 4"   | 4"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   |
|                                    | A <sub>L</sub> | Ø                | 3"   | 3"             | 3"   | 3"   | 3"   | 4"   | 4"   | 4"   | 4"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   |
|                                    | E              | Ø                | 3"   | 3"             | 3"   | 3"   | 4"   | 4"   | 4"   | 4"   | 4"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   | 5"   |

For all units, with or without a hydronic kit, the water filter is always installed.

### Fans

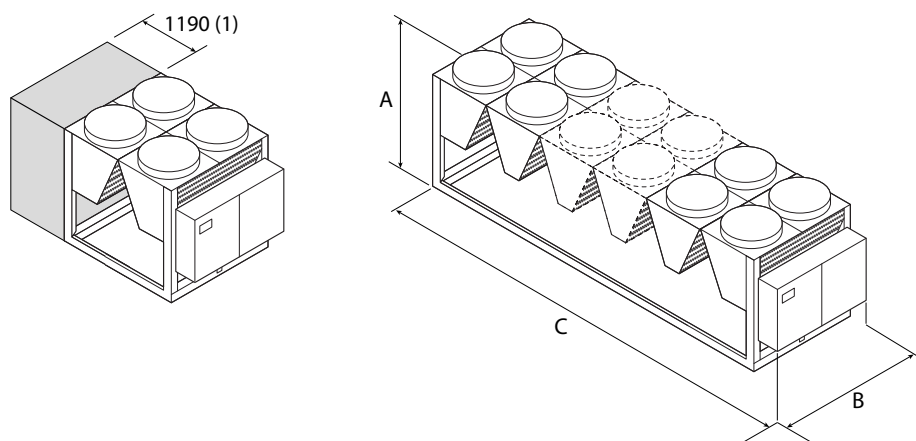
| Size          | 0800 0900 1000 1100 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 |      |                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------|--------------------------------------------------------------------------------------|------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fans: °       |                                                                                      |      |                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fan           |                                                                                      |      |                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Type          | °A,E,L                                                                               | type | Axial                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Number        | °                                                                                    | no.  | 4                           | 4      | 4      | 6      | 6      | 6      | 6      | 8      | 10     | 10     | 10     | 14     | 14     | 16     | 16     | 16     | 16     |
|               | A,L                                                                                  | no.  | 4                           | 6      | 6      | 6      | 8      | 8      | 8      | 10     | 10     | 12     | 12     | 14     | 16     | 16     | 16     | 18     | 18     |
|               | E                                                                                    | no.  | 6                           | 8      | 8      | 8      | 10     | 10     | 12     | 14     | 14     | 16     | 16     | 18     | 20     | 20     | 20     | 22     | 22     |
| Fan motor     | °A                                                                                   | type | Asynchronous                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|               | E,L                                                                                  | type | Asynchronous with phase cut |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|               | °                                                                                    | m³/h | 82398                       | 82398  | 82424  | 123596 | 123596 | 123561 | 123561 | 164866 | 205969 | 205969 | 205969 | 288399 | 288399 | 329594 | 329594 | 329598 | 329598 |
| Air flow rate | A                                                                                    | m³/h | 82403                       | 123609 | 123609 | 123605 | 164779 | 164779 | 164779 | 205996 | 205998 | 247152 | 247152 | 288414 | 329556 | 329556 | 329556 | 370819 | 370819 |
|               | E                                                                                    | m³/h | 102378                      | 136491 | 136491 | 136491 | 170613 | 170613 | 204757 | 238871 | 238871 | 272982 | 272982 | 315634 | 349835 | 349835 | 349835 | 383943 | 383943 |
|               | L                                                                                    | m³/h | 68237                       | 102348 | 102348 | 102356 | 136528 | 136528 | 136528 | 170617 | 170614 | 204825 | 204825 | 238801 | 273004 | 273004 | 273004 | 307010 | 307010 |

## Sound data

| Size                                      |   |       | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|-------------------------------------------|---|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Sound data calculated in cooling mode (1) |   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound power level                         | ° | dB(A) | 90,5 | 90,5 | 90,5 | 92,3 | 92,4 | 92,5 | 92,6 | 93,8 | 94,7 | 94,7 | 94,8 | 96,5 | 96,6 | 97,1 | 97,1 | 97,2 | 97,3 |
|                                           | A | dB(A) | 90,5 | 92,2 | 92,2 | 92,3 | 93,6 | 93,6 | 93,7 | 94,6 | 94,7 | 95,4 | 95,5 | 96,5 | 97,1 | 97,1 | 97,1 | 97,6 | 97,7 |
|                                           | E | dB(A) | 85,2 | 86,2 | 86,2 | 87,0 | 88,3 | 88,8 | 89,7 | 90,1 | 90,2 | 90,9 | 91,2 | 92,2 | 92,5 | 92,6 | 92,8 | 93,3 | 93,5 |
|                                           | L | dB(A) | 83,5 | 84,7 | 84,8 | 85,8 | 87,2 | 87,8 | 88,3 | 88,9 | 89,0 | 89,8 | 90,1 | 91,0 | 91,3 | 91,4 | 91,7 | 92,2 | 92,4 |
| Sound pressure level (10 m)               | ° | dB(A) | 58,4 | 58,4 | 58,4 | 60,0 | 60,1 | 60,2 | 60,4 | 61,3 | 62,1 | 62,2 | 62,2 | 63,7 | 63,7 | 64,1 | 64,2 | 64,3 | 64,3 |
|                                           | A | dB(A) | 58,4 | 59,9 | 59,9 | 60,0 | 61,2 | 61,2 | 61,3 | 62,1 | 62,1 | 62,8 | 62,8 | 63,7 | 64,1 | 64,1 | 64,2 | 64,6 | 64,6 |
|                                           | E | dB(A) | 52,9 | 53,8 | 53,8 | 54,6 | 55,7 | 56,3 | 57,0 | 57,3 | 57,4 | 57,9 | 58,2 | 59,1 | 59,3 | 59,4 | 59,7 | 60,0 | 60,2 |
|                                           | L | dB(A) | 51,4 | 52,5 | 52,5 | 53,5 | 54,8 | 55,4 | 55,9 | 56,4 | 56,5 | 57,1 | 57,4 | 58,2 | 58,4 | 58,5 | 58,8 | 59,1 | 59,4 |

(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure (cold functioning) measured in free field, 10m away from the unit external surface (in compliance with UNI EN ISO 3744).

## DIMENSIONS



(1) Additional module needed to contain the hydronic kit with "accumulation" option in sizes:

NRG 0800H°, 0900H°, 1000H°

NRG 0800HL

NRG 0800HA

| Size                                                                                                                                                                                               |         | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800  | 3000  | 3200  | 3400  | 3600  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| <b>Integrated hydronic kit: 00, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ</b> |         |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
| <b>Dimensions and weights</b>                                                                                                                                                                      |         |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
| A                                                                                                                                                                                                  | ° A,E,L | mm   | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450  | 2450  | 2450  | 2450  | 2450  |
| B                                                                                                                                                                                                  | ° A,E,L | mm   | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200  | 2200  | 2200  | 2200  | 2200  |
| C                                                                                                                                                                                                  | °       | mm   | 2780 | 2780 | 2780 | 3970 | 3970 | 3970 | 5160 | 6350 | 6350 | 6350 | 8730 | 8730  | 9920  | 9920  | 9920  | 9920  |
|                                                                                                                                                                                                    | A,L     | mm   | 2780 | 3970 | 3970 | 5160 | 5160 | 5160 | 6350 | 6350 | 7540 | 7540 | 8730 | 9920  | 9920  | 9920  | 11110 | 11110 |
|                                                                                                                                                                                                    | E       | mm   | 3970 | 5160 | 5160 | 5160 | 6350 | 6350 | 7540 | 8730 | 8730 | 9920 | 9920 | 11110 | 12300 | 12300 | 13490 | 13490 |

| Size                                                                                                                                                                                    |        |    | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600  | 2800  | 3000  | 3200  | 3400  | 3600  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Integrated hydronic kit: AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ |        |    |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |
| Dimensions and weights                                                                                                                                                                  |        |    |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |
| A                                                                                                                                                                                       | °A,E,L | mm | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  |
| B                                                                                                                                                                                       | °A,E,L | mm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  |
| C                                                                                                                                                                                       | °      | mm | 3970 | 3970 | 3970 | 3970 | 3970 | 3970 | 3970 | 5160 | 6350 | 6350 | 6350 | 8730  | 8730  | 9920  | 9920  | 9920  | 9920  |
|                                                                                                                                                                                         | A,L    | mm | 3970 | 3970 | 3970 | 3970 | 5160 | 5160 | 6350 | 6350 | 7540 | 7540 | 8730 | 8730  | 9920  | 9920  | 9920  | 11110 | 11110 |
|                                                                                                                                                                                         | E      | mm | 3970 | 5160 | 5160 | 5160 | 6350 | 6350 | 7540 | 8730 | 8730 | 9920 | 9920 | 11110 | 12300 | 12300 | 12300 | 13490 | 13490 |

| Size                        |     |    | 0800  | 0900  | 1000  | 1100  | 1200  | 1400  | 1600  | 1800  | 2000  | 2200  | 2400  | 2600  | 2800  | 3000  | 3200  | 3400  | 3600   |
|-----------------------------|-----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Integrated hydronic kit: 00 |     |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| Weights                     |     |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| Empty weight                | °   | kg | 2.375 | 2.405 | 2.405 | 3.065 | 3.215 | 3.365 | 3.635 | 4.480 | 5.260 | 5.505 | 5.620 | 7.035 | 7.310 | 8.070 | 8.185 | 8.410 | 8.520  |
|                             | A,L | kg | 2.375 | 2.875 | 2.885 | 3.050 | 3.805 | 3.965 | 4.225 | 4.970 | 5.305 | 5.930 | 5.965 | 7.035 | 7.800 | 8.105 | 8.220 | 8.840 | 8.930  |
|                             | E   | kg | 2.860 | 3.485 | 3.495 | 3.685 | 4.460 | 4.460 | 5.050 | 5.875 | 6.180 | 6.880 | 7.010 | 7.980 | 8.810 | 9.090 | 9.200 | 9.845 | 9.970  |
| Weight functioning          | °   | kg | 2.397 | 2.427 | 2.427 | 3.090 | 3.244 | 3.396 | 3.688 | 4.533 | 5.321 | 5.577 | 5.697 | 7.114 | 7.392 | 8.160 | 8.278 | 8.514 | 8.627  |
|                             | A,L | kg | 2.397 | 2.897 | 2.910 | 3.077 | 3.838 | 3.999 | 4.278 | 5.031 | 5.377 | 6.005 | 6.048 | 7.117 | 7.890 | 8.206 | 8.324 | 8.947 | 9.043  |
|                             | E   | kg | 2.882 | 3.510 | 3.522 | 3.714 | 4.511 | 4.513 | 5.103 | 5.947 | 6.255 | 6.961 | 7.101 | 8.062 | 8.911 | 9.194 | 9.307 | 9.958 | 10.091 |

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