# NRB 0800H-2406H

## Reversible air/water heat pump

**Cooling capacity 196,4 ÷ 647,7 kW – Heating capacity 209,8 ÷ 683,9 kW**

- **High efficiency also at partial loads**
- **Night mode**
- **HP floating: ESEER +7% with inverter fans**
- **Also available with Shell and tube heat exchanger**

## 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 50 °C in summer. Hot water production up to 55 °C.
(for more information, refer to the technical documentation).

### Dual-circuit unit

The units are dual-circuit, to ensure maximum efficiency both at full load and at partial load.

### 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 efficiency of the unit.
**It is standard in all sizes from 1805 to 2406.**

### Option integrated hydronic kit

Integrated hydronic kit containing the main hydraulic components; available with various configurations with one or two pumps, with high or low head and storage tank, to obtain a solution that allows you to save money and to facilitate installation.

## CONTROL

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.

- Possibility to control two units in a Master-Slave configuration
- 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 inverter fans or with DCPX. Together with continuous fan modulation, it optimises unit operation in any working point, enhancing energy efficiency with partial loads. **ESEER up to +7% with inverter fans.**
- **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.

## ACCESSORIES

**AER485P1:** RS-485 interface for supervising systems with MODBUS protocol. 1 accessory is provided for each unit control board.
**AERBACP:** Ethernet communication interface for Bacnet/IP, Modbus TCP/IP, SNMP 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 allows the control, the management and the remote monitoring of a Chiller with a PC, smartphone or tablet using Cloud connection. AERNET works as Master while every unit connected is configured as Slave (max. 6 control boards). Also, with a simple click is possible to save a log file with all the connected unit datas in the personal terminal for post analysis.
**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
**BRC1:** Condensate drip tray. Consider 1 for each V-block.

## COMPATIBILITY WITH VMF SYSTEM

**For more information about VMF system, refer to the dedicated documentation.**

## ACCESSORIES COMPATIBILITY

| Model | Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AER485P1 | °,A,E,L | • | • | • | • | • | • | • | • | • | • | • |
| AERBACP | °,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 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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.

### Antivibration

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Integrated hydronic kit: 00** | | | | | | | | | | | |
| ° | AVX1000 | AVX1000 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1006 | AVX1006 | AVX1010 | AVX1010 |
| A, L | AVX1000 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1006 | AVX1006 | AVX1010 | AVX1010 | AVX1016 | AVX1016 |
| E | AVX1004 | AVX1006 | AVX1006 | AVX1006 | AVX1006 | AVX1010 | AVX1013 | AVX1024 | AVX1024 | AVX1033 | AVX1033 |
| **Integrated hydronic kit: AA, AB, AC, AD, AE, AF, AG, AH, BA, BB, BC** | | | | | | | | | | | |
| ° | AVX1003 | AVX1003 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1008 | AVX1012 | AVX1012 |
| A, L | AVX1003 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1008 | AVX1008 | AVX1008 | AVX1012 | AVX1017 | AVX1017 |
| E | AVX1005 | AVX1008 | AVX1008 | AVX1008 | AVX1008 | AVX1012 | AVX1015 | AVX1025 | AVX1025 | AVX1035 | AVX1035 |
| **Integrated hydronic kit: AI, AJ, BD, BE, BF, BG, BH, BI, BJ** | | | | | | | | | | | |
| ° | AVX1003 | AVX1003 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1008 | AVX1008 | AVX1012 | AVX1012 |
| A, L | AVX1003 | AVX1005 | AVX1005 | AVX1005 | AVX1005 | AVX1008 | AVX1008 | AVX1012 | AVX1012 | AVX1017 | AVX1017 |
| E | AVX1005 | AVX1008 | AVX1008 | AVX1008 | AVX1008 | AVX1012 | AVX1015 | AVX1025 | AVX1025 | AVX1035 | AVX1035 |
| **Integrated hydronic kit: DA, DB, DC, PA, PB, PC, PD, PE, PF, PG, PH** | | | | | | | | | | | |
| ° | AVX1001 | AVX1001 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1009 | AVX1009 | AVX1010 | AVX1010 |
| A, L | AVX1001 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1009 | AVX1009 | AVX1010 | AVX1010 | AVX1016 | AVX1016 |
| E | AVX1004 | AVX1006 | AVX1006 | AVX1006 | AVX1009 | AVX1010 | AVX1013 | AVX1024 | AVX1024 | AVX1034 | AVX1034 |
| **Integrated hydronic kit: DD, DE, DF, DG, DH, PI, PJ** | | | | | | | | | | | |
| ° | AVX1001 | AVX1001 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1009 | AVX1009 | AVX1011 | AVX1011 |
| A, L | AVX1001 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1009 | AVX1009 | AVX1011 | AVX1011 | AVX1016 | AVX1016 |
| E | AVX1004 | AVX1007 | AVX1007 | AVX1007 | AVX1009 | AVX1011 | AVX1014 | AVX1024 | AVX1024 | AVX1034 | AVX1034 |
| **Integrated hydronic kit: DI, DJ** | | | | | | | | | | | |
| ° | AVX1002 | AVX1002 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1007 | AVX1007 | AVX1011 | AVX1011 |
| A, L | AVX1002 | AVX1004 | AVX1004 | AVX1004 | AVX1004 | AVX1007 | AVX1007 | AVX1011 | AVX1011 | AVX1016 | AVX1016 |
| E | AVX1004 | AVX1007 | AVX1007 | AVX1007 | AVX1007 | AVX1011 | AVX1014 | AVX1024 | AVX1024 | AVX1034 | AVX1034 |

### Condensation control temperature

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 |
|---|---|---|---|---|---|---|
| **Fans: °** | | | | | | |
| ° | DCPX130 | DCPX130 | DCPX131 | DCPX131 | DCPX131 | DCPX131 |
| A | DCPX130 | DCPX131 | DCPX131 | DCPX131 | DCPX131 | DCPX132 |
| E, L | As standard | As standard | As standard | As standard | As standard | As standard |

| Ver | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|
| **Fans: °** | | | | | |
| ° | DCPX131 | DCPX155 | DCPX155 | DCPX156 | DCPX156 |
| A | DCPX132 | DCPX156 | DCPX156 | DCPX134 | DCPX134 |
| E, L | As standard | As standard | As standard | As standard | As standard |

### Device for peak current reduction

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 |
|---|---|---|---|---|---|---|
| °, A, E, L | DRENRB0800 (1) | DRENRB0900 (1) | DRENRB1000 (1) | DRENRB1100 (1) | DRENRB1200 (1) | DRENRB1400 (1) |

(1) Only for supplies of 400V 3N ~ 50Hz and 400V 3 ~ 50Hz. x 2 or x 3 (if present) indicates the quantity to be ordered.
A grey background indicates the accessory must be assembled in the factory

| Ver | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|
| °, A, E, L | DRENRB1600 (1) | DRENRB1805 (1) | DRENRB2006 (1) | DRENRB2206 (1) | DRENRB2406 (1) |

(1) Only for supplies of 400V 3N ~ 50Hz and 400V 3 ~ 50Hz. x 2 or x 3 (if present) indicates the quantity to be ordered.
A grey background indicates the accessory must be assembled in the factory

**Power factor correction**

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 |
|---|---|---|---|---|---|---|
| ° | RIFNRB0800 | RIFNRB0900 | RIFNRB1000 | RIFNRB1100 | RIFNRB1200 | RIFNRB1400 |
| A, L | RIFNRB0800 | RIFNRB0900 | RIFNRB1000 | RIFNRB1100 | RIFNRB1200 | RIFNRB1401 |
| E | RIFNRB0800 | RIFNRB0901 | RIFNRB1001 | RIFNRB1001 | RIFNRB1201 | RIFNRB1401 |

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

| Ver | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|
| ° | RIFNRB1600 | RIFNRB1805 | RIFNRB2006 | RIFNRB2206 | RIFNRB2406 |
| A, L | RIFNRB1601 | RIFNRB1805 | RIFNRB2006 | RIFNRB2216 | RIFNRB2416 |
| E | RIFNRB1601 | RIFNRB1815 | RIFNRB2016 | RIFNRB2216 | RIFNRB2416 |

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

**Anti-intrusion grid**

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ° | GP2VN | GP2VN | GP3VN | GP3VN | GP3VN | GP3VN | GP3VN | GP4G | GP4G | GP5G | GP5G |
| A, L | GP2VN | GP3VN | GP3VN | GP3VN | GP3VN | GP4VN | GP4VN | GP5G | GP5G | GP6V | GP6V |
| E | GP3VN | GP4VN | GP4VN | GP4VN | GP4VN | GP5VN | GP6V | GP7V | GP7V | GP8V | GP8V |

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

**The units 0800-0900 H°, 0800 HL/HA with the optional "storage tank" are 3970 mm long, and they must mount the GP2VNA grids.**

**Condensate drip**

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 |
|---|---|---|---|---|---|---|
| ° | BRC1x2 (1) | BRC1x2 (1) | BRC1x3 (1) | BRC1x3 (1) | BRC1x3 (1) | BRC1x3 (1) |
| A, L | BRC1x2 (1) | BRC1x3 (1) | BRC1x3 (1) | BRC1x3 (1) | BRC1x3 (1) | BRC1x4 (1) |
| E | BRC1x3 (1) | BRC1x4 (1) | BRC1x4 (1) | BRC1x4 (1) | BRC1x4 (1) | BRC1x5 (1) |

(1) Condensate drip tray. Consider 1 for each V-block.
A grey background indicates the accessory must be assembled in the factory

| Ver | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|
| ° | BRC1x3 (1) | BRC1x4 (1) | BRC1x4 (1) | BRC1x5 (1) | BRC1x5 (1) |
| A, L | BRC1x4 (1) | BRC1x5 (1) | BRC1x5 (1) | BRC1x6 (1) | BRC1x6 (1) |
| E | BRC1x6 (1) | BRC1x7 (1) | BRC1x7 (1) | BRC1x8 (1) | BRC1x8 (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 |
|---|---|---|
| **1,2,3** | | **NRB** |
| **4,5,6,7** | | **Size**<br>0800, 0900, 1000, 1100, 1200, 1400, 1600, 1805, 2006, 2206, 2406 |
| **8** | | **Operating field** |
| | X | Electronic thermostatic expansion valve (1) |
| | ° | Standard mechanic thermostatic valve |
| **9** | | **Model** |
| | H | Heat pump |
| **10** | | **Heat recovery** |
| | D | With desuperheater (2) |
| | ° | Without heat recovery |
| **11** | | **Version** |
| | ° | Standard |
| | A | High efficiency |
| | E | Silenced high efficiency |
| | L | Standard silenced |
| **12** | | **Coils** |
| | R | Copper pipes-copper fins |
| | S | Copper pipes-Tinned copper fins |
| | V | Copper pieps-Coated aluminium fins |
| | ° | Copper-aluminium |
| **13** | | **Fans** |
| | J | Inverter |
| | ° | Standard |
| **14** | | **Power supply** |
| | ° | 400V ~ 3 50Hz with magnet circuit breakers |
| **15,16** | | **Integrated hydronic kit** |
| | 00 | Without hydronic kit |
| | | **Kit with n° 1 pump** |
| | 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 (3) |

| Field | | Description |
|---|---|---|
| | | **Pump n° 1 pump + stand-by pump** |
| | DA | Pump A + stand-by pump (4) |
| | DB | Pump B + stand-by pump (4) |
| | DC | Pump C + stand-by pump (4) |
| | DD | Pump D + stand-by pump (4) |
| | DE | Pump E + stand-by pump (4) |
| | DF | Pump F + stand-by pump (4) |
| | DG | Pump G + stand-by pump (4) |
| | DH | Pump H + stand-by pump (4) |
| | DI | Pump I + stand-by pump (4) |
| | DJ | Pump J + stand-by pump (5) |
| | | **Kit with storage tank and n° 1 pump** |
| | 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 (3) |
| | | **Kit with storage tank and n° 1 pump + stand-by pump** |
| | BA | Storage tank with pump A + stand-by pump (4) |
| | BB | Storage tank with pump B + stand-by pump (4) |
| | BC | Storage tank with pump C + stand-by pump (4) |
| | BD | Storage tank with pump D + stand-by pump (4) |
| | BE | Storage tank with pump E + stand-by pump (4) |
| | BF | Storage tank with pump F + stand-by pump (4) |
| | BG | Storage tank with pump G + stand-by pump (4) |
| | BH | Storage tank with pump H + stand-by pump (4) |
| | BI | Storage tank with pump I + stand-by pump (4) |
| | BJ | Storage tank with pump J + stand-by pump (5) |

(1) Electronic thermostatic as standard from size 1805÷2406.
(2) 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.
(3) For all configurations including pump J please contact the factory.
(4) None of the hydronic kits with twin pump (from DA to DJ and from BA to BJ) are compatible for the following sizes and versions with desuperheater D: 1805-2006 version °.
(5) For all combinations with pump J, please contact our head office. None of the hydronic kits with twin pump (from DA to DJ and from BA to BJ) are compatible for the following sizes and versions with desuperheater D: 1805-2006 version °.

## PERFORMANCE SPECIFICATIONS

**NRB H°**

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cooling performance 12 °C / 7 °C (1)** | | | | | | | | | | | | |
| Cooling capacity | kW | 196,4 | 218,0 | 251,8 | 279,2 | 314,2 | 353,8 | 389,0 | 456,7 | 501,9 | 568,7 | 616,1 |
| Input power | kW | 74,1 | 86,1 | 91,7 | 107,9 | 119,5 | 141,6 | 155,6 | 172,6 | 193,2 | 211,2 | 231,1 |
| Cooling total input current | A | 131,0 | 150,0 | 163,0 | 189,0 | 207,0 | 242,0 | 263,0 | 296,0 | 331,0 | 365,0 | 398,0 |
| EER | W/W | 2,65 | 2,53 | 2,74 | 2,59 | 2,63 | 2,50 | 2,50 | 2,65 | 2,60 | 2,69 | 2,67 |
| Water flow rate system side | l/h | 33794 | 37515 | 43314 | 48020 | 54046 | 60853 | 66910 | 78531 | 86311 | 97783 | 105939 |
| Pressure drop system side | kPa | 34 | 24 | 32 | 26 | 33 | 31 | 37 | 32 | 38 | 37 | 42 |
| **Heating performance 40 °C / 45 °C (2)** | | | | | | | | | | | | |
| Heating capacity | kW | 215,0 | 237,4 | 275,0 | 306,0 | 343,9 | 366,2 | 412,6 | 478,4 | 527,7 | 592,0 | 643,2 |
| Input power | kW | 70,2 | 77,7 | 89,6 | 99,8 | 112,3 | 121,7 | 137,0 | 157,3 | 174,3 | 193,9 | 210,7 |
| Heating total input current | A | 125,0 | 138,0 | 158,0 | 175,0 | 195,0 | 212,0 | 236,0 | 274,0 | 304,0 | 340,0 | 369,0 |
| COP | W/W | 3,06 | 3,06 | 3,07 | 3,07 | 3,06 | 3,01 | 3,01 | 3,04 | 3,03 | 3,05 | 3,05 |
| Water flow rate system side | l/h | 37311 | 41207 | 47745 | 53116 | 59705 | 63585 | 71640 | 83071 | 91620 | 102803 | 111681 |
| Pressure drop system side | kPa | 42 | 28 | 38 | 32 | 40 | 34 | 42 | 36 | 42 | 40 | 46 |

(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.

## NRB HL

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cooling performance 12 °C / 7 °C (1)** | | | | | | | | | | | | |
| Cooling capacity | kW | 197,9 | 227,9 | 247,7 | 275,2 | 301,1 | 359,1 | 392,2 | 453,8 | 495,0 | 552,5 | 592,9 |
| Input power | kW | 75,3 | 78,6 | 89,8 | 106,2 | 123,2 | 133,0 | 153,4 | 169,0 | 193,9 | 208,9 | 234,1 |
| Cooling total input current | A | 126,0 | 133,0 | 150,0 | 176,0 | 203,0 | 220,0 | 252,0 | 280,0 | 321,0 | 347,0 | 390,0 |
| EER | W/W | 2,63 | 2,90 | 2,76 | 2,59 | 2,44 | 2,70 | 2,56 | 2,69 | 2,55 | 2,64 | 2,53 |
| Water flow rate system side | l/h | 34040 | 39194 | 42596 | 47339 | 51779 | 61758 | 67431 | 78030 | 85114 | 95003 | 101921 |
| Pressure drop system side | kPa | 14 | 18 | 15 | 19 | 14 | 20 | 18 | 23 | 23 | 29 | 17 |
| **Heating performance 40 °C / 45 °C (2)** | | | | | | | | | | | | |
| Heating capacity | kW | 209,8 | 250,3 | 274,3 | 304,8 | 334,3 | 394,3 | 431,0 | 497,4 | 543,0 | 609,3 | 654,3 |
| Input power | kW | 67,1 | 79,5 | 87,1 | 98,9 | 108,2 | 126,2 | 136,7 | 158,3 | 173,1 | 194,8 | 208,8 |
| Heating total input current | A | 119,0 | 139,0 | 152,0 | 171,0 | 187,0 | 216,0 | 234,0 | 272,0 | 299,0 | 336,0 | 363,0 |
| COP | W/W | 3,13 | 3,15 | 3,15 | 3,08 | 3,09 | 3,12 | 3,15 | 3,14 | 3,14 | 3,13 | 3,13 |
| Water flow rate system side | l/h | 36429 | 43447 | 47619 | 52924 | 58032 | 68469 | 74854 | 86379 | 94306 | 105817 | 113644 |
| Pressure drop system side | kPa | 15 | 22 | 19 | 23 | 17 | 24 | 21 | 28 | 28 | 35 | 21 |

(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.

## NRB HA

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cooling performance 12 °C / 7 °C (1)** | | | | | | | | | | | | |
| Cooling capacity | kW | 206,2 | 243,8 | 266,9 | 297,0 | 329,2 | 385,5 | 425,3 | 488,4 | 538,3 | 601,4 | 651,3 |
| Input power | kW | 71,8 | 78,2 | 88,1 | 102,2 | 117,2 | 129,2 | 147,2 | 163,7 | 184,8 | 201,3 | 222,3 |
| Cooling total input current | A | 127,0 | 141,0 | 157,0 | 179,0 | 203,0 | 225,0 | 254,0 | 285,0 | 321,0 | 352,0 | 389,0 |
| EER | W/W | 2,87 | 3,12 | 3,03 | 2,91 | 2,81 | 2,98 | 2,89 | 2,98 | 2,91 | 2,99 | 2,93 |
| Water flow rate system side | l/h | 35459 | 41942 | 45909 | 51076 | 56619 | 66291 | 73125 | 83982 | 92547 | 103407 | 111966 |
| Pressure drop system side | kPa | 15 | 21 | 18 | 22 | 17 | 23 | 21 | 27 | 27 | 34 | 21 |
| **Heating performance 40 °C / 45 °C (2)** | | | | | | | | | | | | |
| Heating capacity | kW | 214,3 | 254,4 | 279,0 | 310,5 | 341,2 | 400,9 | 438,9 | 506,0 | 553,2 | 620,0 | 666,5 |
| Input power | kW | 66,6 | 79,3 | 86,7 | 97,1 | 106,2 | 124,8 | 137,1 | 157,5 | 171,8 | 193,5 | 207,0 |
| Heating total input current | A | 120,0 | 142,0 | 155,0 | 172,0 | 187,0 | 219,0 | 240,0 | 277,0 | 303,0 | 342,0 | 368,0 |
| COP | W/W | 3,22 | 3,21 | 3,22 | 3,20 | 3,21 | 3,21 | 3,20 | 3,21 | 3,22 | 3,20 | 3,22 |
| Water flow rate system side | l/h | 37204 | 44148 | 48436 | 53909 | 59226 | 69618 | 76226 | 87877 | 96076 | 107669 | 115772 |
| Pressure drop system side | kPa | 16 | 23 | 20 | 24 | 18 | 25 | 22 | 29 | 29 | 36 | 22 |

(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.

## NRB HE

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cooling performance 12 °C / 7 °C (1)** | | | | | | | | | | | | |
| Cooling capacity | kW | 209,6 | 241,7 | 264,7 | 294,5 | 326,7 | 377,8 | 432,4 | 489,4 | 540,5 | 597,8 | 647,7 |
| Input power | kW | 67,3 | 77,4 | 85,0 | 98,1 | 112,4 | 125,3 | 139,1 | 157,0 | 177,4 | 192,3 | 215,2 |
| Cooling total input current | A | 115,0 | 132,0 | 144,0 | 164,0 | 187,0 | 208,0 | 230,0 | 261,0 | 296,0 | 322,0 | 362,0 |
| EER | W/W | 3,12 | 3,12 | 3,11 | 3,00 | 2,91 | 3,02 | 3,11 | 3,12 | 3,05 | 3,11 | 3,01 |
| Water flow rate system side | l/h | 36053 | 41586 | 45538 | 50642 | 56185 | 64960 | 74341 | 84155 | 92932 | 102793 | 111352 |
| Pressure drop system side | kPa | 15 | 20 | 18 | 22 | 16 | 22 | 21 | 27 | 27 | 33 | 21 |
| **Heating performance 40 °C / 45 °C (2)** | | | | | | | | | | | | |
| Heating capacity | kW | 223,4 | 258,1 | 283,7 | 316,7 | 349,3 | 403,2 | 458,7 | 520,7 | 571,9 | 634,1 | 683,9 |
| Input power | kW | 69,3 | 80,5 | 87,9 | 98,5 | 109,0 | 126,1 | 143,1 | 162,7 | 177,1 | 198,2 | 211,7 |
| Heating total input current | A | 122,0 | 140,0 | 153,0 | 170,0 | 188,0 | 216,0 | 244,0 | 278,0 | 305,0 | 341,0 | 367,0 |
| COP | W/W | 3,22 | 3,21 | 3,23 | 3,22 | 3,20 | 3,20 | 3,21 | 3,20 | 3,23 | 3,20 | 3,23 |
| Water flow rate system side | l/h | 38791 | 44787 | 49248 | 54989 | 60660 | 70010 | 79655 | 90422 | 99327 | 110122 | 118791 |
| Pressure drop system side | kPa | 17 | 23 | 20 | 25 | 19 | 25 | 24 | 31 | 31 | 38 | 23 |

(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.

## ELECTRIC DATA

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Electric data** | | | | | | | | | | | | | |
| Maximum current (FLA) | ° | A | 168,6 | 185,0 | 209,8 | 239,2 | 268,5 | 297,5 | 326,5 | 379,8 | 424,6 | 462,1 | 491,1 |
| | A,L | A | 168,6 | 193,5 | 209,8 | 239,2 | 268,5 | 306,0 | 335,0 | 388,3 | 433,1 | 470,6 | 499,6 |
| | E | A | 177,1 | 202,0 | 218,3 | 247,7 | 277,0 | 314,5 | 352,0 | 405,3 | 450,1 | 487,6 | 516,6 |
| Peak current (LRA) | ° | A | 357,2 | 412,4 | 437,2 | 489,9 | 519,2 | 631,7 | 660,7 | 714,0 | 758,8 | 796,3 | 825,3 |
| | A,L | A | 357,2 | 420,9 | 437,2 | 489,9 | 519,2 | 640,2 | 669,2 | 722,5 | 767,3 | 804,8 | 833,8 |
| | E | A | 365,7 | 429,4 | 445,7 | 498,4 | 527,7 | 648,7 | 686,2 | 739,5 | 784,3 | 821,8 | 850,8 |

## ENERGY INDICES (REG. 2016/2281 EU)

### NRB H°

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UE 813/2013 performance in average ambient conditions (average) - 35 °C - Pdesignh ≤ 400 kW (1)** | | | | | | | | | | | | |
| Pdesignh | kW | 203 | 224 | 260 | 289 | 325 | 346 | 296 | 343 | 379 | 425 | 462 |
| SCOP | W/W | 3,65 | 3,65 | 3,65 | 3,68 | 3,65 | 3,60 | 3,73 | 3,73 | 3,80 | 3,73 | 3,80 |
| ηsh | % | 143,00 | 143,00 | 143,00 | 144,00 | 143,00 | 141,00 | 146,00 | 143,00 | 149,00 | 146,00 | 149,00 |
| **SEER - 12/7 (EN14825:2018) with standard fans (2)** | | | | | | | | | | | | |
| SEER | W/W | 3,79 | 3,66 | 3,88 | 3,81 | 3,91 | 3,80 | 3,89 | 3,92 | 3,80 | - (3) | - (3) |
| Seasonal efficiency | % | 148,40 | 143,50 | 152,20 | 149,50 | 153,20 | 149,10 | 152,70 | 153,80 | 149,00 | - (3) | - (3) |
| **SEER - (EN14825:2018) 12/7 with inverter fans (2)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | - (3) | - (3) |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | - (3) | - (3) |
| **SEER - 23/18 (EN14825: 2018) with standard fans (4)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,67 | 4,76 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 183,90 | 187,30 |
| **SEER - 23/18 (EN14825: 2018) with inverter fans** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,88 | 5,02 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 192,30 | 197,70 |
| **SEPR - (EN14825: 2018) High temperature with inverter fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,53 | 5,54 |
| **SEPR - (EN14825: 2018) High temperature with standard fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,53 | 5,54 |

(1) Efficiencies for low temperature applications (35 °C)
(2) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(3) Non-compliant with 2016/2281 EU regulation for comfort applications 12°C / 7°C
(4) Calculation performed with FIXED water flow rate.

### NRB HL

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UE 813/2013 performance in average ambient conditions (average) - 35 °C - Pdesignh ≤ 400 kW (1)** | | | | | | | | | | | | |
| Pdesignh | kW | 197 | 235 | 258 | 286 | 314 | 370 | 306 | 353 | 385 | 433 | 464 |
| SCOP | W/W | 3,73 | 3,75 | 3,75 | 3,68 | 3,68 | 3,73 | 3,93 | 3,83 | 3,95 | 3,83 | 3,93 |
| ηsh | % | 146,00 | 147,00 | 147,00 | 144,00 | 144,00 | 146,00 | 154,00 | 150,00 | 155,00 | 150,00 | 154,00 |
| **SEER - 12/7 (EN14825:2018) with standard fans (2)** | | | | | | | | | | | | |
| SEER | W/W | 3,83 | 4,01 | 3,92 | 3,90 | 3,82 | 4,05 | 3,99 | 4,04 | 3,87 | - (3) | - (3) |
| Seasonal efficiency | % | 150,30 | 157,20 | 153,90 | 149,60 | 159,00 | 156,40 | 156,60 | 158,60 | 151,80 | - (3) | - (3) |
| **SEER - (EN14825:2018) 12/7 with inverter fans (2)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | - (3) | - (3) |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | - (3) | - (3) |
| **SEER - 23/18 (EN14825: 2018) with standard fans (4)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,72 | 4,67 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 185,70 | 183,60 |
| **SEER - 23/18 (EN14825: 2018) with inverter fans** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 5,08 | 5,11 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 200,30 | 201,20 |
| **SEPR - (EN14825: 2018) High temperature with standard fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,51 | 5,51 |
| **SEPR - (EN14825: 2018) High temperature with inverter fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,51 | 5,51 |

(1) Efficiencies for low temperature applications (35 °C)
(2) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(3) Non-compliant with 2016/2281 EU regulation for comfort applications 12°C / 7°C
(4) Calculation performed with FIXED water flow rate.

## NRB HA

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UE 813/2013 performance in average ambient conditions (average) - 55 °C - Pdesignh ≤ 400 kW (1)** | | | | | | | | | | | | |
| Pdesignh | kW | 196 | 233 | 255 | 284 | 312 | 367 | 304 | 351 | 384 | 430 | 462 |
| SCOP | W/W | 3,03 | 3,08 | 3,03 | 3,08 | 3,03 | 3,10 | 3,13 | 3,08 | 3,30 | 3,08 | 3,15 |
| ηsh | % | 118,00 | 120,00 | 118,00 | 120,00 | 118,00 | 121,00 | 122,00 | 120,00 | 129,00 | 120,00 | 123,00 |
| **SEER - 12/7 (EN14825:2018) with standard fans (2)** | | | | | | | | | | | | |
| SEER | W/W | 3,96 | 4,13 | 4,09 | 4,09 | 4,07 | 4,23 | 4,22 | 4,22 | 4,10 | - (3) | - (3) |
| Seasonal efficiency | % | 155,40 | 162,10 | 160,40 | 160,60 | 159,70 | 166,10 | 165,60 | 165,80 | 161,0 | - (3) | - (3) |
| **SEER - (EN14825:2018) 12/7 with inverter fans (2)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,58 | 4,57 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 180,3% | 179,6% |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | - | - |
| **SEER - 23/18 (EN14825: 2018) with standard fans (4)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,96 | 5,01 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 195,30 | 197,40 |
| **SEER - 23/18 (EN14825: 2018) with inverter fans** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,58 | 4,57 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | - | - |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 180,30 | 179,60 |
| **SEPR - (EN14825: 2018) High temperature with standard fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,52 | 5,52 |
| **SEPR - (EN14825: 2018) High temperature with inverter fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,52 | 5,52 |

(1) Efficiencies for average temperature applications (55 °C)
(2) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(3) Non-compliant with 2016/2281 EU regulation for comfort applications 12°C / 7°C
(4) Calculation performed with FIXED water flow rate.

## NRB HE

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UE 813/2013 performance in average ambient conditions (average) - 55 °C - Pdesignh ≤ 400 kW (1)** | | | | | | | | | | | | |
| Pdesignh | kW | 204 | 236 | 259 | 290 | 320 | 369 | 318 | 361 | 397 | 440 | 474 |
| SCOP | W/W | 3,05 | 3,08 | 3,05 | 3,10 | 3,03 | 3,08 | 3,13 | 3,05 | 3,30 | 3,08 | 3,15 |
| ηsh | % | 119,00 | 120,00 | 119,00 | 121,00 | 118,00 | 120,00 | 122,00 | 119,00 | 129,00 | 120,00 | 123,00 |
| **SEER - 12/7 (EN14825:2018) with standard fans (2)** | | | | | | | | | | | | |
| SEER | W/W | 4,16 | 4,15 | 4,18 | 4,19 | 4,16 | 4,27 | 4,39 | 4,36 | 4,22 | - (3) | - (3) |
| Seasonal efficiency | % | 163,40 | 163,00 | 164,10 | 164,70 | 163,40 | 167,90 | 172,70 | 171,40 | 165,80 | - (3) | - (3) |
| **SEER - (EN14825:2018) 12/7 with inverter fans (2)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,71 | 4,67 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 185,4% | 183,7% |
| **SEER - 23/18 (EN14825: 2018) with standard fans (4)** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 5,17 | 5,20 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | 203,60 | 204,90 |
| **SEER - 23/18 (EN14825: 2018) with inverter fans** | | | | | | | | | | | | |
| SEER | W/W | - | - | - | - | - | - | - | - | - | 4,71 | 4,67 |
| Seasonal efficiency | % | - | - | - | - | - | - | - | - | - | - | - |
| **SEPR - (EN14825: 2018) High temperature with standard fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,52 | 5,54 |
| **SEPR - (EN14825: 2018) High temperature with inverter fans (4)** | | | | | | | | | | | | |
| SEPR | W/W | - | - | - | - | - | - | - | - | - | 5,52 | 5,54 |

(1) Efficiencies for average temperature applications (55 °C)
(2) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(3) Non-compliant with 2016/2281 EU regulation for comfort applications 12°C / 7°C
(4) Calculation performed with FIXED water flow rate.

## FANS

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: °** | | | | | | | | | | | | | |
| **Fan** | | | | | | | | | | | | | |
| Type | °,A,E,L | type | Axial | | | | | | | | | | |
| Fan motor | °,A | type | Asynchronous | | | | | | | | | | |
| | E,L | type | Asynchronous with phase cut | | | | | | | | | | |
| Number | ° | no. | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 10 | 10 |
| | A,L | no. | 4 | 6 | 6 | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 |
| | E | no. | 6 | 8 | 8 | 8 | 8 | 10 | 12 | 14 | 14 | 16 | 16 |
| Air flow rate | ° | $m^3/h$ | 80000 | 80000 | 120000 | 120000 | 120000 | 120000 | 120000 | 160000 | 160000 | 200000 | 200000 |
| | A | $m^3/h$ | 80000 | 120000 | 120000 | 120000 | 120000 | 160000 | 160000 | 200000 | 200000 | 240000 | 240000 |
| | E | $m^3/h$ | 90000 | 120000 | 120000 | 120000 | 120000 | 150000 | 180000 | 210000 | 210000 | 240000 | 240000 |
| | L | $m^3/h$ | 60000 | 90000 | 90000 | 90000 | 90000 | 120000 | 120000 | 150000 | 150000 | 180000 | 180000 |

## GENERAL TECHNICAL DATA

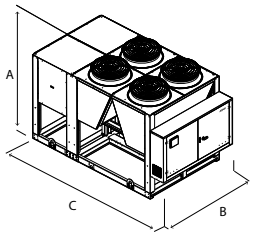
| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compressor** | | | | | | | | | | | | | |
| Type | °,A,E,L | type | Scroll | | | | | | | | | | |
| Compressor regulation | °,A,E,L | Type | On-Off | | | | | | | | | | |
| Number | °,A,E,L | no. | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 |
| Circuits | °,A,E,L | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Refrigerant | °,A,E,L | type | R410A | | | | | | | | | | |
| Refrigerant charge (1) | ° | kg | 44,0 | 44,0 | 54,0 | 62,0 | 62,0 | 60,0 | 60,0 | 81,0 | 82,0 | 100,0 | 95,0 |
| | A | kg | 44,0 | 60,0 | 64,0 | 62,0 | 66,0 | 81,0 | 78,0 | 99,0 | 102,0 | 117,0 | 119,0 |
| | E | kg | 58,0 | 76,5 | 78,0 | 76,0 | 78,0 | 93,0 | 112,0 | 136,0 | 143,0 | 152,0 | 152,0 |
| | L | kg | 44,0 | 60,0 | 64,0 | 62,0 | 66,0 | 78,0 | 78,0 | 104,0 | 102,0 | 117,0 | 117,0 |
| **System side heat exchanger** | | | | | | | | | | | | | |
| Type | °,A,E,L | type | Brazed plate | | | | | | | | | | |
| **Hydraulic connections** | | | | | | | | | | | | | |
| Connections (in/out) | °,A,E,L | Type | Grooved joints | | | | | | | | | | |
| **Hydraulic connections without hydronic kit** | | | | | | | | | | | | | |
| Sizes (in/out) | °,A,E,L | Ø | 3″ | 3″ | 3″ | 3″ | 3″ | 3″ | 4″ | 4″ | 4″ | 4″ | 4″ |
| **Hydraulic connections with hydronic kit** | | | | | | | | | | | | | |
| Sizes (in/out) | °,A,E,L | Ø | 3″ | 3″ | 3″ | 3″ | 3″ | 3″ | 4″ | 4″ | 4″ | 4″ | 4″ |
| **Sound data calculated in cooling mode (2)** | | | | | | | | | | | | | |
| Sound power level | ° | dB(A) | 89,5 | 89,5 | 91,6 | 91,6 | 91,6 | 91,6 | 91,6 | 93,1 | 93,1 | 94,2 | 94,2 |
| | A | dB(A) | 89,5 | 91,6 | 91,6 | 91,6 | 91,6 | 93,1 | 93,1 | 94,2 | 94,2 | 95,1 | 95,1 |
| | E | dB(A) | 84,6 | 86,1 | 86,1 | 86,1 | 86,1 | 87,2 | 88,2 | 89,4 | 89,9 | 91,1 | 91,6 |
| | L | dB(A) | 82,6 | 84,6 | 84,6 | 84,6 | 84,6 | 86,1 | 86,1 | 87,7 | 88,2 | 89,6 | 90,1 |
| Sound pressure level (10 m) | ° | dB(A) | 57,4 | 57,4 | 59,3 | 59,3 | 59,3 | 59,3 | 59,3 | 60,7 | 60,7 | 61,7 | 61,7 |
| | A | dB(A) | 57,4 | 59,3 | 59,3 | 59,3 | 59,3 | 60,7 | 60,7 | 61,6 | 61,6 | 62,5 | 62,5 |
| | E | dB(A) | 52,4 | 53,7 | 53,7 | 53,7 | 53,7 | 54,7 | 55,5 | 56,7 | 57,2 | 58,2 | 58,7 |
| | L | dB(A) | 50,5 | 52,4 | 52,4 | 52,4 | 52,4 | 53,8 | 53,8 | 55,2 | 55,7 | 57,0 | 57,5 |

(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.
(2) 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).

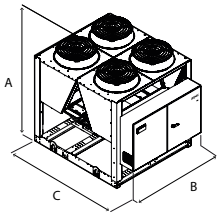
**In the versions without a hydronic kit, the water filter is supplied with a connection point for making the connection. In the versions with a hydronic kit, it is supplied ready-mounted.**

## DIMENSIONS

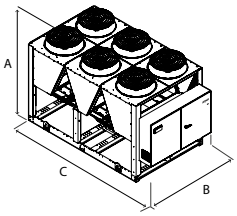
NRB 0800 H°/HL/HA (1)
NRB 0900 H° (1)



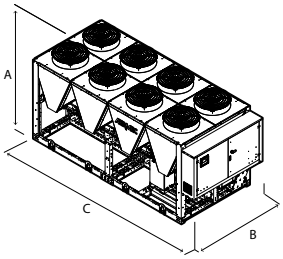

NRB 0800 H°/HL/HA
NRB 0900 H°



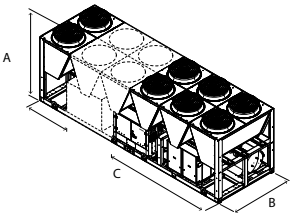

NRB 0800 HE
NRB 0900-1200 HL/HA
NRB 1000-1600 H°




NRB 1805-2406 H°
NRB 1805-2006 HL/HA




NRB 1400-1600 HL/HA
NRB 2206-2406 HL-HA
NRB 0900-2406 HE




(1) Additional module needed to contain the hydronic kit with "accumulation" option in sizes:
NRB 0800H°, 0900H°
NRB 0800 HL/HA

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimensions and weights without hydronic kit** | | | | | | | | | | | | | |
| A | °,A,E,L | mm | 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 |
| C | ° | mm | 2780 | 2780 | 3970 | 3970 | 3970 | 3970 | 3970 | 5160 | 5160 | 6350 | 6350 |
| | A,L | mm | 2780 | 3970 | 3970 | 3970 | 3970 | 4760 | 4760 | 6350 | 6350 | 7140 | 7140 |
| | E | mm | 3970 | 4760 | 4760 | 4760 | 4760 | 5950 | 7140 | 8330 | 8330 | 9520 | 9520 |

■ *The units 0800-0900 H°, 0800 HL/HA with the optional "storage tank" are 3970 mm long.*

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1805 | 2006 | 2206 | 2406 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Integrated hydronic kit: 00** | | | | | | | | | | | | | |
| **Weights** | | | | | | | | | | | | | |
| Empty weight | ° | kg | 2520 | 2580 | 3160 | 3210 | 3250 | 3310 | 3340 | 4200 | 4370 | 4990 | 5030 |
| | A,L | kg | 2550 | 3130 | 3200 | 3240 | 3320 | 3970 | 4040 | 4780 | 4990 | 5490 | 5730 |
| | E | kg | 3080 | 3770 | 3840 | 3870 | 3950 | 4510 | 5020 | 5860 | 6080 | 6610 | 6800 |



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