# NPG 0800-3600

## Air-water multipurpose

**Cooling capacity 206,8 ÷ 937,3 kW**
**Heating capacity 211,7 ÷ 977,6 kW**

- **Units designed for 2 or 4-pipe systems**
- **High efficiency also at partial loads**
- **Simultaneous and independent production of hot and chilled water**


### DESCRIPTION

Multipurpose external units designed for 2 or 4-pipe systems. With just one unit simultaneous and independent requests for hot and chilled water can be accommodated all year round.
The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

### VERSIONS

**A** High efficiency
**E** Silenced high efficiency

### FEATURES

#### Operating field

Working at full load up to -15 °C outside air temperature in winter, and up to 49,0 °C in summer. Hot water production up to 60,0 °C (for more information refer to the the selection program Magellano or dedicated documentations).

#### Refrigerant HFC R32

**Use refrigerant fluid R32, whose classification according to ISO 817 is A2L (non-toxic, odourless and slightly flammable refrigerant).**
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 $CO_2$ values.

*Refrigerant gas detector is supplied as per standard.*

#### 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.

#### 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.

#### Condensation control temperature

Fitted as standard with a device for electronic condensation control so that the unit can work even with low temperatures, adapting the air flow rate to the actual system request in order to reduce consumption.

*Sizes 2600 to 3600 are available with a standard J fan.*

#### Option integrated hydronic kit

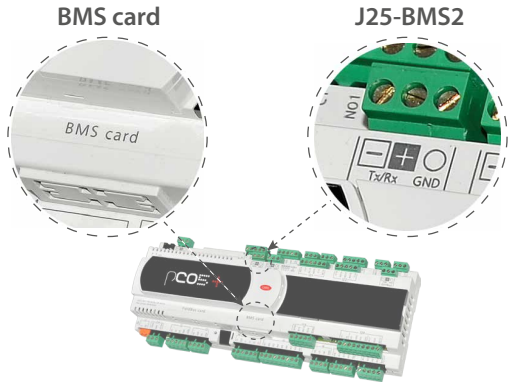
To obtain a solution that offers economic savings and easy installation, these units can be configured with an integrated hydronic kit on both the service side and the recovery side.
The kit contains the main hydraulic components, and is available in various configurations with a single pump or a standby pump too, so the customer can choose the right useful head.

*The flow switch is available as an accessory for both the system side and the recovery side, and is compulsory; if it is not installed, the warranty will be considered invalid.*

### CONTROL $PCO_5$

**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 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.
- **"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 is it possible to set a silenced operating mode, which is useful for example at night for greater acoustic comfort but always guarantees performance even at peak load times.
- 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.**

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

## 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.

## ACCESSORIES COMPATIBILITY

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

**Antivibration**

| Version | System side - pumps | Recovery side - pumps | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 |
|---|---|---|---|---|---|---|---|---|
| A | 00 | 00 | AVX1210 | AVX1212 | AVX1212 | AVX1212 | AVX1214 | AVX1214 |
| A | 00 | MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1211 | AVX1213 | AVX1213 | AVX1213 | AVX1215 | AVX1215 |
| A | DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1211 | AVX1213 | AVX1213 | AVX1213 | AVX1215 | AVX1215 |
| E | 00 | 00 | AVX1212 | AVX1214 | AVX1214 | AVX1214 | AVX1217 | AVX1217 |
| E | 00 | MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1213 | AVX1215 | AVX1215 | AVX1215 | AVX1218 | AVX1218 |
| E | DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1213 | AVX1215 | AVX1215 | AVX1215 | AVX1218 | AVX1218 |

| Version | System side - pumps | Recovery side - pumps | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 |
|---|---|---|---|---|---|---|---|---|
| A | 00 | 00 | AVX1216 | AVX1217 | AVX1217 | AVX1219 | AVX1219 | AVX1270 |
| A | 00 | MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1215 | AVX1218 | AVX1218 | AVX1219 | AVX1219 | AVX1271 |
| A | DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1215 | AVX1218 | AVX1218 | AVX1219 | AVX1219 | AVX1271 |
| E | 00 | 00 | AVX1219 | AVX1220 | AVX1220 | AVX1222 | AVX1222 | AVX1274 |
| E | 00 | MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1219 | AVX1221 | AVX1221 | AVX1222 | AVX1222 | AVX1275 |
| E | DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1219 | AVX1221 | AVX1221 | AVX1222 | AVX1222 | AVX1275 |

| Version | System side - pumps | Recovery side - pumps | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|
| A | 00 | 00 | AVX1272 | AVX1272 | AVX1272 | AVX1274 | AVX1274 |
| A | 00 | MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1273 | AVX1273 | AVX1273 | AVX1275 | AVX1275 |
| A | DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1273 | AVX1273 | AVX1273 | AVX1275 | AVX1275 |
| E | 00, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, IA, IB, IC, ID, IE, IF, IG, IH, II, JA, JB, JC, JD, JE, JF, JG, JH, JI, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ | 00, MA, MB, MC, MD, ME, MF, MG, MH, MI, NA, NB, NC, ND, NE, NF, NG, NH, NI, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ | AVX1276 | AVX1276 | AVX1276 | - | - |

- not available

### Device for peak current reduction

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 |
|---|---|---|---|---|---|---|---|---|---|
| A, E | DRENPG0800 | DRENPG0900 | DRENPG1000 | DRENPG1100 | DRENPG1200 | DRENPG1400 | DRENPG1600 | DRENPG1800 | DRENPG2000 |

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

| Ver | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|
| A | DRENPG2200 | DRENPG2400 | DRENPG2600 | DRENPG2800 | DRENPG3000 | DRENPG3200 | DRENPG3400 | DRENPG3600 |
| E | DRENPG2200 | DRENPG2400 | DRENPG2600 | DRENPG2800 | DRENPG3000 | DRENPG3200 | - | - |

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 | RIFNPG0800 | RIFNPG0900 | RIFNPG1000 | RIFNPG1100 | RIFNPG1200 | RIFNPG1400 | RIFNPG1600 | RIFNPG1800 | RIFNPG2000 |

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

| Ver | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|
| A | RIFNPG2200 | RIFNPG2400 | RIFNPG2600 | RIFNPG2800 | RIFNPG3000 | RIFNPG3200 | RIFNPG3400 | RIFNPG3600 |
| E | RIFNPG2200 | RIFNPG2400 | RIFNPG2600 | RIFNPG2800 | RIFNPG3000 | RIFNPG3200 | - | - |

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 |
|---|---|---|---|---|---|---|---|---|---|
| A | GP2VN | GP3G | GP3G | GP3G | GP4GM | GP4GM | GP4GM | GP5G | GP5G |
| E | GP3G | GP4GM | GP4GM | GP4GM | GP5GM | GP5GM | GP6G | GP7G | GP7G |

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

| Ver | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|
| A | GP6G | GP6G | GP16G | GP17G | GP17G | GP17G | GP18G | GP18G |
| E | GP8G | GP8G | GP18G | GP19G | GP19G | GP19G | - | - |

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

**GP2VN becomes GP2VNA if configured with a hydronic kit for size 0800 A**

**Condensate drip.**

| Ver | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 |
|---|---|---|---|---|---|---|---|---|---|
| A | BRC1 x 2 (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) | BRC1 x 5 (1) |
| E | BRC1 x 3 (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) | 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 |
|---|---|---|---|---|---|---|---|---|
| A | 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) | - | - |

(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** | **NPG** |
| **4,5,6,7** | **Size**<br>0800, 0900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600 |
| **8** | **Version** |
| A | High efficiency |
| E | Silenced high efficiency (1) |
| **9** | **System type** |
| 2 | 2-pipe system |
| 4 | 4-pipe system |
| **10** | **Coils** |
| R | Copper pipes-copper fins |
| S | Copper pipes-Tinned copper fins |
| V | Copper pieps-Coated aluminium fins |
| ° | Copper-aluminium |
| **11** | **Fans** |
| J | Inverter |
| ° | Standard with DCPX (2) |
| **12** | **Power supply** |
| ° | 400V ~ 3 50Hz with magnet circuit breakers |
| **13,14** | **System side - pumps** |
| 00 | Without hydronic kit |
| | **Pump n° 1 pump + stand-by pump** |
| DA | Pump A + stand-by pump (2) |
| DB | Pump B + stand-by pump (2) |
| DC | Pump C + stand-by pump (2) |
| DD | Pump D + stand-by pump (2) |
| DE | Pump E + stand-by pump (2) |
| 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 (3) |
| | **Kit with n° 1 inverter pump to fixed speed** |
| IA | Pump A equipped with inverter device to work at fixed speed (2) |
| IB | Pump B equipped with inverter device to work at fixed speed (2) |
| IC | Pump C equipped with inverter device to work at fixed speedr (2) |
| ID | Pump D equipped with inverter device to work at fixed speed (2) |
| IE | Pump E equipped with inverter device to work at fixed speed (2) |
| IF | Pump F equipped with inverter device to work at fixed speed (4) |
| IG | Pump G equipped with inverter device to work at fixed speed (4) |
| IH | Pump H equipped with inverter device to work at fixed speed (4) |
| II | Pump I equipped with inverter device to work at fixed speed (4) |
| | **Kit with n° 1 inverter pump + stand-by pump to fixed speed** |
| JA | Pump A+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| JB | Pump B+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| JC | Pump C+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| JD | Pump D+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| JE | Pump E+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| 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) |
| | **Kit with n° 1 pump** |
| PA | Pump A (2) |
| PB | Pump B (2) |
| PC | Pump C (2) |
| PD | Pump D (2) |
| PE | Pump E (2) |
| PF | Pump F |
| PG | Pump G |
| PH | Pump H |
| PI | Pump I |
| PJ | Pump J (3) |
| **15,16** | **Recovery side - pumps** |
| 00 | Without hydronic kit |
| | **Kit with n° 1 inverter pump to fixed speed** |
| MA | Pump A equipped with inverter device to work at fixed speed (2) |
| MB | Pump B equipped with inverter device to work at fixed speed (2) |
| MC | Pump C equipped with inverter device to work at fixed speedr (2) |
| MD | Pump D equipped with inverter device to work at fixed speed (2) |
| ME | Pump E equipped with inverter device to work at fixed speed (2) |
| MF | Pump F equipped with inverter device to work at fixed speed (4) |
| MG | Pump G equipped with inverter device to work at fixed speed (4) |
| MH | Pump H equipped with inverter device to work at fixed speed (4) |
| MI | Pump I equipped with inverter device to work at fixed speed (4) |
| | **Kit with n° 1 inverter pump + stand-by pump to fixed speed** |
| NA | Pump A+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| NB | Pump B+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| NC | Pump C+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| ND | Pump D+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| NE | Pump E+stand-by pump, both equipped with inverter to work at fixed speed (2) |
| NF | Pump F+stand-by pump, both equipped with inverter to work at fixed speed (5) |
| NG | Pump G+stand-by pump, both equipped with inverter to work at fixed speed (5) |
| NH | Pump H+stand-by pump, both equipped with inverter to work at fixed speed (5) |
| NI | Pump I+stand-by pump, both equipped with inverter to work at fixed speed (5) |
| | **Kit with n° 1 pump** |
| RA | Pump A (2) |
| RB | Pump B (2) |
| RC | Pump C (2) |
| RD | Pump D (2) |
| RE | Pump E (2) |
| RF | Pump F |
| RG | Pump G |
| RH | Pump H |
| RI | Pump I |
| RJ | Pump J (3) |
| | **Pump n° 1 pump + stand-by pump** |
| SA | Pump A + stand-by pump (2) |
| SB | Pump B + stand-by pump (2) |
| SC | Pump C + stand-by pump (2) |
| SD | Pump D + stand-by pump (2) |
| SE | Pump E + stand-by pump (2) |

| Field | Description |
|---|---|
| SF | Pump F + stand-by pump |
| SG | Pump G + stand-by pump |
| SH | Pump H + stand-by pump |
| SI | Pump I + stand-by pump |
| SJ | Pump J + stand-by pump (3) |

(1) Not available for sizes 3400-3600.
(2) Not available for the sizes 2600-3600.
(3) Contact the factory
(4) Hydronic kit not available with sizes 0800-1600 version A, 0800-1100 version E.
(5) Hydronic kit not compatible with machines 0800-2000 version A, 0800-1400 version E. Not compatible with sizes 2600-3600.

## PERFORMANCE SPECIFICATIONS

**NPG - 2 TUBI - version A**

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | |
| **Cooling system side 2-pipe system (1)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 206,5 | 238,8 | 262,1 | 298,1 | 349,6 | 385,1 | 424,0 | 492,6 | 549,2 | 601,9 | 634,7 | 692,2 | 759,1 | 828,4 | 864,7 | 900,0 | 936,4 |
| Input power | kW | 72,5 | 78,2 | 87,8 | 105,5 | 116,8 | 134,0 | 151,5 | 172,2 | 199,9 | 209,9 | 227,0 | 248,1 | 269,1 | 297,2 | 315,4 | 326,0 | 342,9 |
| Cooling total input current | A | 128,2 | 142,2 | 158,3 | 183,6 | 202,9 | 228,0 | 254,2 | 291,8 | 337,3 | 355,1 | 381,1 | 409,6 | 446,6 | 492,8 | 513,9 | 527,0 | 553,0 |
| EER | W/W | 2,85 | 3,06 | 2,98 | 2,83 | 2,99 | 2,87 | 2,80 | 2,86 | 2,75 | 2,87 | 2,80 | 2,79 | 2,82 | 2,79 | 2,74 | 2,76 | 2,73 |
| Water flow rate system side | l/h | 35537 | 41084 | 45096 | 51279 | 60134 | 66248 | 72915 | 84728 | 94449 | 103520 | 109133 | 119060 | 130559 | 142477 | 148710 | 154781 | 161041 |
| Pressure drop system side | kPa | 30 | 41 | 37 | 43 | 47 | 48 | 38 | 47 | 51 | 50 | 36 | 81 | 92 | 97 | 105 | 116 | 102 |
| **Heating system side 2-pipe system (2)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 212,0 | 246,3 | 270,7 | 308,5 | 363,1 | 401,6 | 436,7 | 507,2 | 565,1 | 617,3 | 654,9 | 714,1 | 787,0 | 840,5 | 877,7 | 928,9 | 965,9 |
| Input power | kW | 67,3 | 79,4 | 86,7 | 99,8 | 116,0 | 129,1 | 138,3 | 161,0 | 179,3 | 195,0 | 208,9 | 230,5 | 253,2 | 270,9 | 284,3 | 301,4 | 315,6 |
| Heating total input current | A | 121,0 | 142,8 | 155,8 | 175,1 | 201,1 | 221,1 | 235,4 | 275,9 | 307,8 | 334,6 | 355,0 | 379,9 | 419,2 | 450,0 | 468,6 | 494,3 | 515,3 |
| COP | W/W | 3,15 | 3,10 | 3,12 | 3,09 | 3,13 | 3,11 | 3,16 | 3,15 | 3,15 | 3,17 | 3,13 | 3,10 | 3,11 | 3,10 | 3,09 | 3,08 | 3,06 |
| Water flow rate system side | l/h | 36787 | 42745 | 46996 | 53553 | 63027 | 69719 | 75833 | 88058 | 98099 | 107197 | 113726 | 124010 | 136667 | 145942 | 152400 | 161305 | 167715 |
| Pressure drop system side | kPa | 26 | 35 | 35 | 45 | 56 | 39 | 35 | 47 | 61 | 37 | 42 | 46 | 55 | 63 | 68 | 77 | 83 |
| **Heating domestic hot water side 2-pipe system (3)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 212,6 | 247,4 | 272,1 | 309,6 | 361,5 | 399,4 | 433,8 | 508,6 | 565,9 | 607,8 | 644,6 | 719,4 | 796,4 | 850,0 | 888,2 | 941,1 | 978,5 |
| Input power | kW | 64,9 | 76,7 | 83,1 | 95,4 | 110,8 | 123,0 | 132,9 | 156,0 | 175,8 | 186,5 | 198,8 | 223,5 | 246,9 | 265,2 | 278,3 | 295,8 | 309,0 |
| Heating total input current | A | 118,5 | 140,0 | 152,0 | 169,7 | 194,2 | 213,0 | 227,9 | 269,1 | 303,2 | 323,1 | 340,9 | 370,5 | 411,8 | 443,0 | 461,1 | 487,7 | 506,7 |
| COP | W/W | 3,28 | 3,22 | 3,28 | 3,25 | 3,26 | 3,25 | 3,26 | 3,26 | 3,22 | 3,26 | 3,24 | 3,22 | 3,23 | 3,21 | 3,19 | 3,18 | 3,17 |
| Water flow rate domestic hot water side | l/h | 36883 | 42934 | 47229 | 53737 | 62755 | 69347 | 75327 | 88302 | 98238 | 105551 | 111934 | 124931 | 138301 | 147604 | 154236 | 163411 | 169910 |
| Pressure drop domestic hot water side | kPa | 26 | 35 | 35 | 45 | 55 | 38 | 35 | 47 | 62 | 36 | 40 | 47 | 56 | 64 | 70 | 79 | 85 |
| **Simultaneous operation (heating + cooling), 2 pipes (4)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 203,7 | 225,7 | 253,7 | 292,1 | 337,7 | 374,2 | 424,7 | 483,4 | 547,9 | 592,0 | 631,0 | 693,6 | 751,5 | 821,0 | 858,1 | 897,7 | 935,3 |
| Recovered heating power | kW | 261,4 | 290,8 | 325,1 | 376,1 | 432,7 | 481,8 | 541,8 | 619,8 | 703,9 | 754,4 | 805,3 | 889,8 | 967,1 | 1054,8 | 1104,6 | 1157,1 | 1207,4 |
| Input power | kW | 61,2 | 69,7 | 76,2 | 90,0 | 102,1 | 115,2 | 125,0 | 146,2 | 167,7 | 173,9 | 186,2 | 211,5 | 233,3 | 253,6 | 268,0 | 282,9 | 296,2 |
| Water flow rate system side | l/h | 35537 | 41084 | 45096 | 51279 | 60134 | 66248 | 72915 | 84728 | 94449 | 103520 | 109133 | 119060 | 130559 | 142477 | 148710 | 154781 | 161041 |
| Pressure drop system side | kPa | 30 | 41 | 37 | 43 | 47 | 48 | 38 | 47 | 51 | 50 | 36 | 81 | 92 | 97 | 105 | 116 | 102 |
| Water flow rate domestic hot water side | l/h | 36883 | 42934 | 47229 | 53737 | 62755 | 69347 | 75327 | 88302 | 98238 | 105551 | 111934 | 124931 | 138301 | 147604 | 154236 | 163411 | 169910 |
| Pressure drop domestic hot water side | kPa | 26 | 35 | 35 | 45 | 55 | 38 | 35 | 47 | 62 | 36 | 40 | 47 | 56 | 64 | 70 | 79 | 85 |
| TER | W/W | 7,60 | 7,41 | 7,59 | 7,42 | 7,55 | 7,43 | 7,73 | 7,55 | 7,46 | 7,74 | 7,71 | 7,49 | 7,37 | 7,40 | 7,32 | 7,26 | 7,23 |

(1) Data 14511:2022; System side water heat exchanger 12 °C/7 °C; External air 35 °C; All units are Eurovent certified
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side 40 °C / 45 °C;
(4) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

**With the fan option ° the data are equivalent and available from size 0800 to 2400.**

**NPG - 4 TUBI - version A**

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | |
| **Cooling system side 4-pipe system (1)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 206,5 | 238,8 | 262,1 | 298,1 | 349,6 | 385,1 | 424,0 | 492,6 | 549,2 | 601,9 | 634,7 | 692,2 | 759,1 | 828,4 | 864,7 | 900,0 | 936,4 |
| Input power | kW | 72,5 | 78,2 | 87,8 | 105,5 | 116,8 | 134,0 | 151,5 | 172,2 | 199,9 | 209,9 | 227,0 | 248,1 | 269,1 | 297,2 | 315,4 | 326,0 | 342,9 |
| Cooling total input current | A | 128,2 | 142,2 | 158,3 | 183,6 | 202,9 | 228,0 | 254,2 | 291,8 | 337,3 | 355,1 | 381,1 | 409,6 | 446,6 | 492,8 | 513,9 | 527,0 | 553,0 |
| EER | W/W | 2,85 | 3,06 | 2,98 | 2,83 | 2,99 | 2,87 | 2,80 | 2,86 | 2,75 | 2,87 | 2,80 | 2,79 | 2,82 | 2,79 | 2,74 | 2,76 | 2,73 |
| Water flow rate system side | l/h | 35537 | 41084 | 45096 | 51279 | 60134 | 66248 | 72915 | 84728 | 94449 | 103520 | 109133 | 119060 | 130559 | 142477 | 148710 | 154781 | 161041 |
| Pressure drop system side | kPa | 30 | 41 | 37 | 43 | 47 | 48 | 38 | 47 | 51 | 50 | 36 | 81 | 92 | 97 | 105 | 116 | 102 |
| **Heating system side 4-pipe system (2)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 212,6 | 247,4 | 272,1 | 309,6 | 361,5 | 399,4 | 433,8 | 508,6 | 565,9 | 607,8 | 644,6 | 719,4 | 796,4 | 850,0 | 888,2 | 941,1 | 978,5 |
| Input power | kW | 64,9 | 76,7 | 83,1 | 95,4 | 110,8 | 123,0 | 132,9 | 156,0 | 175,8 | 186,5 | 198,8 | 223,5 | 246,9 | 265,2 | 278,3 | 295,8 | 309,0 |
| Heating total input current | A | 118,5 | 140,0 | 152,0 | 169,7 | 194,2 | 213,0 | 227,9 | 269,1 | 303,2 | 323,1 | 340,9 | 370,5 | 411,8 | 443,0 | 461,1 | 487,7 | 506,7 |
| COP | W/W | 3,28 | 3,22 | 3,28 | 3,25 | 3,26 | 3,25 | 3,26 | 3,26 | 3,22 | 3,26 | 3,24 | 3,22 | 3,23 | 3,21 | 3,19 | 3,18 | 3,17 |
| Water flow rate system side | l/h | 36883 | 42934 | 47229 | 53737 | 62755 | 69347 | 75327 | 88302 | 98238 | 105551 | 111934 | 124931 | 138301 | 147604 | 154236 | 163411 | 169910 |
| Pressure drop system side | kPa | 26 | 35 | 35 | 45 | 55 | 38 | 35 | 47 | 62 | 36 | 40 | 47 | 56 | 64 | 70 | 79 | 85 |
| **Simultaneous operation (heating + cooling), 4 pipes (3)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 203,7 | 225,7 | 253,7 | 292,1 | 337,7 | 374,2 | 424,7 | 483,4 | 547,9 | 592,0 | 631,0 | 693,6 | 751,5 | 821,0 | 858,1 | 897,7 | 935,3 |
| Recovered heating power | kW | 261,4 | 290,8 | 325,1 | 376,1 | 432,7 | 481,8 | 541,8 | 619,8 | 703,9 | 754,4 | 805,3 | 889,8 | 967,1 | 1054,8 | 1104,6 | 1157,1 | 1207,4 |
| Input power | kW | 61,2 | 69,7 | 76,2 | 90,0 | 102,1 | 115,2 | 125,0 | 146,2 | 167,7 | 173,9 | 186,2 | 211,5 | 233,3 | 253,6 | 268,0 | 282,9 | 296,2 |
| TER | W/W | 7,60 | 7,41 | 7,59 | 7,42 | 7,55 | 7,43 | 7,73 | 7,55 | 7,46 | 7,74 | 7,71 | 7,49 | 7,37 | 7,40 | 7,32 | 7,26 | 7,23 |
| Water flow rate cold side | l/h | 35537 | 41084 | 45096 | 51279 | 60134 | 66248 | 72915 | 84728 | 94449 | 103520 | 109133 | 119060 | 130559 | 142477 | 148710 | 154781 | 161041 |
| Pressure drop cold side | kPa | 30 | 41 | 37 | 43 | 47 | 48 | 38 | 47 | 51 | 50 | 36 | 81 | 92 | 97 | 105 | 116 | 102 |
| Water flow rate hot side | l/h | 36883 | 42934 | 47229 | 53737 | 62755 | 69347 | 75327 | 88302 | 98238 | 105551 | 111934 | 124931 | 138301 | 147604 | 154236 | 163411 | 169910 |
| Pressure drop hot side | kPa | 26 | 35 | 35 | 45 | 55 | 38 | 35 | 47 | 62 | 36 | 40 | 47 | 56 | 64 | 70 | 79 | 85 |

(1) Data 14511:2022; System side water heat exchanger 12 °C / 7 °C; External air 35 °C
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

**With the fan option ° the data are equivalent and available from size 0800 to 2400.**

**NPG - 2 TUBI - version E**

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | |
| **Cooling system side 2-pipe system (1)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 213,9 | 243,4 | 269,6 | 308,8 | 360,8 | 398,4 | 444,6 | 512,8 | 573,9 | 620,0 | 657,8 | 715,9 | 784,5 | 846,1 | 890,0 | - | - |
| Input power | kW | 68,7 | 76,3 | 85,4 | 101,5 | 114,3 | 130,4 | 142,5 | 165,0 | 189,3 | 201,0 | 217,2 | 234,8 | 256,9 | 281,9 | 301,5 | - | - |
| Cooling total input current | A | 121,3 | 136,1 | 151,3 | 174,3 | 193,9 | 217,6 | 235,7 | 274,9 | 315,6 | 334,8 | 358,6 | 373,4 | 414,8 | 455,7 | 474,9 | - | - |
| EER | W/W | 3,11 | 3,19 | 3,16 | 3,04 | 3,16 | 3,06 | 3,12 | 3,11 | 3,03 | 3,08 | 3,03 | 3,05 | 3,05 | 3,00 | 2,95 | - | - |
| Water flow rate system side | l/h | 36805 | 41878 | 46384 | 53119 | 62049 | 68513 | 76468 | 88195 | 98704 | 106600 | 113102 | 123130 | 134927 | 145513 | 153075 | - | - |
| Pressure drop system side | kPa | 33 | 33 | 36 | 41 | 38 | 34 | 42 | 44 | 53 | 34 | 33 | 85 | 90 | 100 | 108 | - | - |
| **Heating system side 2-pipe system (2)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 221,1 | 252,2 | 275,3 | 315,3 | 365,1 | 404,5 | 453,0 | 521,7 | 583,4 | 630,5 | 670,8 | 745,3 | 797,0 | 858,1 | 910,4 | - | - |
| Input power | kW | 68,9 | 79,7 | 87,0 | 99,8 | 112,1 | 124,1 | 140,1 | 160,5 | 179,3 | 196,0 | 207,7 | 234,3 | 247,8 | 266,5 | 289,1 | - | - |
| Heating total input current | A | 121,1 | 139,7 | 152,7 | 171,4 | 190,6 | 209,0 | 233,3 | 269,1 | 301,7 | 328,3 | 345,4 | 368,2 | 401,5 | 433,9 | 452,1 | - | - |
| COP | W/W | 3,21 | 3,16 | 3,16 | 3,16 | 3,26 | 3,26 | 3,23 | 3,25 | 3,25 | 3,22 | 3,23 | 3,18 | 3,22 | 3,22 | 3,15 | - | - |
| Water flow rate system side | l/h | 38375 | 43773 | 47791 | 54724 | 63379 | 70236 | 78653 | 90570 | 101283 | 109498 | 116479 | 129407 | 138396 | 148991 | 158070 | - | - |
| Pressure drop system side | kPa | 28 | 37 | 36 | 47 | 57 | 39 | 38 | 50 | 65 | 39 | 44 | 60 | 67 | 79 | 88 | - | - |
| **Heating domestic hot water side 2-pipe system (3)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 220,1 | 250,9 | 276,7 | 316,4 | 365,5 | 404,7 | 450,0 | 522,2 | 583,4 | 621,2 | 660,2 | 710,9 | 783,6 | 843,4 | 882,8 | - | - |
| Input power | kW | 66,3 | 77,1 | 83,5 | 96,3 | 110,8 | 123,1 | 136,1 | 158,5 | 178,5 | 188,1 | 200,4 | 218,3 | 240,4 | 259,0 | 272,2 | - | - |
| Heating total input current | A | 117,9 | 136,5 | 148,4 | 166,9 | 188,7 | 207,4 | 227,5 | 266,1 | 300,3 | 317,3 | 335,1 | 362,1 | 401,1 | 432,5 | 450,6 | - | - |
| COP | W/W | 3,32 | 3,25 | 3,31 | 3,28 | 3,30 | 3,29 | 3,31 | 3,29 | 3,27 | 3,30 | 3,29 | 3,26 | 3,26 | 3,26 | 3,24 | - | - |
| Water flow rate domestic hot water side | l/h | 38186 | 43543 | 48035 | 54917 | 63434 | 70267 | 78140 | 90658 | 101283 | 107870 | 114640 | 123441 | 136056 | 146449 | 153287 | - | - |
| Pressure drop domestic hot water side | kPa | 28 | 36 | 36 | 47 | 57 | 39 | 38 | 50 | 65 | 37 | 42 | 54 | 65 | 76 | 83 | - | - |
| **Simultaneous operation (heating + cooling), 2 pipes (4)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 203,9 | 227,9 | 255,4 | 294,4 | 344,0 | 380,9 | 424,9 | 491,4 | 550,4 | 595,8 | 637,5 | 700,1 | 766,3 | 831,0 | 872,5 | - | - |
| Recovered heating power | kW | 261,2 | 292,9 | 326,5 | 378,1 | 438,7 | 488,2 | 541,4 | 627,4 | 705,8 | 757,3 | 811,0 | 895,4 | 981,2 | 1063,9 | 1118,1 | - | - |
| Input power | kW | 61,0 | 69,3 | 75,9 | 89,7 | 101,7 | 114,6 | 124,7 | 145,9 | 167,3 | 172,6 | 185,4 | 211,1 | 233,0 | 253,4 | 267,8 | - | - |
| Water flow rate system side | l/h | 36805 | 41878 | 46384 | 53119 | 62049 | 68513 | 76468 | 88195 | 98704 | 106600 | 113102 | 123130 | 134927 | 145513 | 153075 | - | - |
| Pressure drop system side | kPa | 33 | 33 | 36 | 41 | 38 | 34 | 42 | 44 | 53 | 34 | 33 | 85 | 90 | 100 | 108 | - | - |
| Water flow rate domestic hot water side | l/h | 38186 | 43543 | 48035 | 54917 | 63434 | 70267 | 78140 | 90658 | 101283 | 107870 | 114640 | 123441 | 136056 | 146449 | 153287 | - | - |
| Pressure drop domestic hot water side | kPa | 28 | 36 | 36 | 47 | 57 | 39 | 38 | 50 | 65 | 37 | 42 | 54 | 65 | 76 | 83 | - | - |
| TER | W/W | 7,63 | 7,51 | 7,66 | 7,49 | 7,70 | 7,59 | 7,75 | 7,67 | 7,51 | 7,84 | 7,81 | 7,56 | 7,50 | 7,48 | 7,43 | - | - |

(1) Data 14511:2022; System side water heat exchanger 12 °C/7 °C; External air 35 °C; All units are Eurovent certified
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side 40 °C / 45 °C;
(4) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

**With the fan option ° the data are equivalent and available from size 0800 to 2400.**

**NPG - 4 TUBI - version E**

| Size | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | |
| **Cooling system side 4-pipe system (1)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 213,9 | 243,4 | 269,6 | 308,8 | 360,8 | 398,4 | 444,6 | 512,8 | 573,9 | 620,0 | 657,8 | 715,9 | 784,5 | 846,1 | 890,0 | - | - |
| Input power | kW | 68,7 | 76,3 | 85,4 | 101,5 | 114,3 | 130,4 | 142,5 | 165,0 | 189,3 | 201,0 | 217,2 | 234,8 | 256,9 | 281,9 | 301,5 | - | - |
| Cooling total input current | A | 121,3 | 136,1 | 151,3 | 174,3 | 193,9 | 217,6 | 235,7 | 274,9 | 315,6 | 334,8 | 358,6 | 373,4 | 414,8 | 455,7 | 474,9 | - | - |
| EER | W/W | 3,11 | 3,19 | 3,16 | 3,04 | 3,16 | 3,06 | 3,12 | 3,11 | 3,03 | 3,08 | 3,03 | 3,05 | 3,05 | 3,00 | 2,95 | - | - |
| Water flow rate system side | l/h | 36805 | 41878 | 46384 | 53119 | 62049 | 68513 | 76468 | 88195 | 98704 | 106600 | 113102 | 123130 | 134927 | 145513 | 153075 | - | - |
| Pressure drop system side | kPa | 33 | 33 | 36 | 41 | 38 | 34 | 42 | 44 | 53 | 34 | 33 | 85 | 90 | 100 | 108 | - | - |
| **Heating system side 4-pipe system (2)** | | | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 220,1 | 250,9 | 276,7 | 316,4 | 365,5 | 404,7 | 450,0 | 522,2 | 583,4 | 621,2 | 660,2 | 710,9 | 783,6 | 843,4 | 882,8 | - | - |
| Input power | kW | 66,3 | 77,1 | 83,5 | 96,3 | 110,8 | 123,1 | 136,1 | 158,5 | 178,5 | 188,1 | 200,4 | 218,3 | 240,4 | 259,0 | 272,2 | - | - |
| Heating total input current | A | 117,9 | 136,5 | 148,4 | 166,9 | 188,7 | 207,4 | 227,5 | 266,1 | 300,3 | 317,3 | 335,1 | 362,1 | 401,1 | 432,5 | 450,6 | - | - |
| COP | W/W | 3,32 | 3,25 | 3,31 | 3,28 | 3,30 | 3,29 | 3,31 | 3,29 | 3,27 | 3,30 | 3,29 | 3,26 | 3,26 | 3,26 | 3,24 | - | - |
| Water flow rate system side | l/h | 38186 | 43543 | 48035 | 54917 | 63434 | 70267 | 78140 | 90658 | 101283 | 107870 | 114640 | 123441 | 136056 | 146449 | 153287 | - | - |
| Pressure drop system side | kPa | 28 | 36 | 36 | 47 | 57 | 39 | 38 | 50 | 65 | 37 | 42 | 54 | 65 | 76 | 83 | - | - |
| **Simultaneous operation (heating + cooling), 4 pipes (3)** | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 203,9 | 227,9 | 255,4 | 294,4 | 344,0 | 380,9 | 424,9 | 491,4 | 550,4 | 595,8 | 637,5 | 700,1 | 766,3 | 831,0 | 872,5 | - | - |
| Recovered heating power | kW | 261,2 | 292,9 | 326,5 | 378,1 | 438,7 | 488,2 | 541,4 | 627,4 | 705,8 | 757,3 | 811,0 | 895,4 | 981,2 | 1063,9 | 1118,1 | - | - |
| Input power | kW | 61,0 | 69,3 | 75,9 | 89,7 | 101,7 | 114,6 | 124,7 | 145,9 | 167,3 | 172,6 | 185,4 | 211,1 | 233,0 | 253,4 | 267,8 | - | - |
| TER | W/W | 7,63 | 7,51 | 7,66 | 7,49 | 7,70 | 7,59 | 7,75 | 7,67 | 7,51 | 7,84 | 7,81 | 7,56 | 7,50 | 7,48 | 7,43 | - | - |
| Water flow rate cold side | l/h | 36805 | 41878 | 46384 | 53119 | 62049 | 68513 | 76468 | 88195 | 98704 | 106600 | 113102 | 123130 | 134927 | 145513 | 153075 | - | - |
| Pressure drop cold side | kPa | 33 | 33 | 36 | 41 | 38 | 34 | 42 | 44 | 53 | 34 | 33 | 85 | 90 | 100 | 108 | - | - |
| Water flow rate hot side | l/h | 38186 | 43543 | 48035 | 54917 | 63434 | 70267 | 78140 | 90658 | 101283 | 107870 | 114640 | 123441 | 136056 | 146449 | 153287 | - | - |
| Pressure drop hot side | kPa | 28 | 36 | 36 | 47 | 57 | 39 | 38 | 50 | 65 | 37 | 42 | 54 | 65 | 76 | 83 | - | - |

(1) Data 14511:2022; System side water heat exchanger 12 °C / 7 °C; External air 35 °C
(2) Data 14511:2022; System side water heat exchanger 40 °C/ 45 °C; Outside air 7 °C d.b. / 6 °C w.b.
(3) Water exchanger to the total recovery side * / 45 °C; Water to the system side heat exchanger * / 7 °C;

**With the fan option ° the data are equivalent and available from size 0800 to 2400.**

## ENERGY DATA

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | | |
| **SEER - 12/7 (EN14825: 2018) (1)** | | | | | | | | | | | | | | | | | | | |
| SEER | A | W/W | 4,20 | 4,40 | 4,29 | 4,19 | 4,41 | 4,29 | 4,43 | 4,49 | 4,47 | 4,56 | 4,56 | 4,56 | 4,59 | 4,56 | 4,57 | 4,57 | 4,56 |
| | E | W/W | 4,57 | 4,65 | 4,63 | 4,55 | 4,70 | 4,60 | 4,71 | 4,73 | 4,68 | 4,76 | 4,67 | 4,65 | 4,66 | 4,61 | 4,59 | - | - |
| Seasonal efficiency | A | % | 165,03 | 172,97 | 168,76 | 164,40 | 173,36 | 168,76 | 174,26 | 176,46 | 175,86 | 179,30 | 179,22 | 179,43 | 180,62 | 179,36 | 179,90 | 179,63 | 179,47 |
| | E | % | 179,65 | 183,16 | 182,27 | 179,15 | 185,06 | 181,08 | 185,47 | 186,03 | 184,37 | 187,25 | 183,96 | 183,11 | 183,49 | 181,33 | 180,56 | - | - |
| **SEER - 23/18 (EN14825: 2018) (2)** | | | | | | | | | | | | | | | | | | | |
| SEER | A | W/W | 4,89 | 5,03 | 4,96 | 4,79 | 4,97 | 4,86 | 5,01 | 5,07 | 5,08 | 5,13 | 5,19 | 4,84 | 5,04 | 5,00 | 4,98 | 4,97 | 5,02 |
| | E | W/W | 5,28 | 5,36 | 5,28 | 5,20 | 5,32 | 5,26 | 5,30 | 5,33 | 5,23 | 5,42 | 5,34 | 5,06 | 5,13 | 5,02 | 4,96 | - | - |
| Seasonal efficiency | A | % | 192,45 | 198,11 | 195,26 | 188,53 | 195,85 | 191,60 | 197,44 | 199,91 | 200,14 | 202,39 | 204,66 | 190,78 | 198,71 | 196,88 | 196,19 | 195,61 | 197,80 |
| | E | % | 208,28 | 211,38 | 208,24 | 205,01 | 209,61 | 207,42 | 208,88 | 210,16 | 203,23 | 213,78 | 210,79 | 199,57 | 202,26 | 197,68 | 195,39 | - | - |
| **UE 813/2013 performance in average ambient conditions (average) - 35 °C - Pdesignh ≤ 400 kW (3)** | | | | | | | | | | | | | | | | | | | |
| Pdesignh | A | kW | 186,20 | 213,96 | 236,22 | 271,27 | 315,32 | 351,43 | 382,83 | 446,83 | 497,81 | 534,41 | 569,02 | 608,69 | 665,85 | 715,17 | 748,86 | 791,03 | 824,59 |
| | E | kW | 190,10 | 215,96 | 238,70 | 275,27 | 316,62 | 353,47 | 392,97 | 454,77 | 508,34 | 542,88 | 578,33 | 613,29 | 668,22 | 719,87 | 752,39 | - | - |
| SCOP | A | W/W | 3,87 | 3,63 | 3,78 | 3,76 | 3,69 | 3,83 | 3,95 | 3,93 | 3,94 | 4,00 | 4,04 | 4,00 | 4,01 | 3,94 | 3,90 | 3,82 | 3,81 |
| | E | W/W | 3,77 | 3,62 | 3,70 | 3,79 | 3,66 | 3,77 | 3,88 | 3,85 | 3,86 | 3,97 | 3,99 | 3,99 | 3,95 | 3,88 | 3,85 | - | - |
| ηsh | A | % | 151,87 | 142,21 | 148,35 | 147,20 | 144,52 | 150,05 | 154,81 | 154,14 | 154,62 | 157,05 | 158,56 | 157,04 | 157,40 | 154,48 | 153,03 | 149,67 | 149,54 |
| | E | % | 147,93 | 141,65 | 145,12 | 148,62 | 143,52 | 147,88 | 152,37 | 150,92 | 151,58 | 155,88 | 156,50 | 156,42 | 154,93 | 152,14 | 150,89 | - | - |
| **UE 813/2013 performance in average ambient conditions (average) - 55 °C - Pdesignh ≤ 400 kW (4)** | | | | | | | | | | | | | | | | | | | |
| Pdesignh | A | kW | 185,78 | 212,98 | 235,97 | 271,79 | 313,94 | 350,10 | 381,59 | 387,17 | 392,43 | 532,03 | 567,53 | 602,48 | 658,22 | 708,61 | 742,95 | 782,40 | 816,17 |
| | E | kW | 189,21 | 214,50 | 237,49 | 274,43 | 314,36 | 350,59 | 388,48 | 390,59 | 396,25 | 537,99 | 573,77 | 604,91 | 658,86 | 710,94 | 744,60 | - | - |
| SCOP | A | W/W | 3,16 | 3,03 | 3,14 | 3,10 | 3,05 | 3,08 | 3,13 | 3,22 | 3,13 | 3,23 | 3,25 | 3,23 | 3,37 | 3,37 | 3,34 | 3,32 | 3,34 |
| | E | W/W | 3,14 | 3,03 | 3,08 | 3,14 | 3,07 | 3,07 | 3,12 | 3,18 | 3,07 | 3,24 | 3,24 | 3,26 | 3,34 | 3,35 | 3,33 | - | - |
| ηsh | A | % | 123,43 | 118,15 | 122,48 | 120,99 | 119,19 | 120,37 | 122,24 | 125,88 | 122,33 | 126,23 | 126,91 | 126,16 | 131,68 | 131,69 | 130,60 | 129,69 | 130,56 |
| | E | % | 122,51 | 118,32 | 120,32 | 122,74 | 119,65 | 119,67 | 121,63 | 124,10 | 119,81 | 126,61 | 126,64 | 127,26 | 130,52 | 130,96 | 130,03 | - | - |

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(2) Calculation performed with FIXED water flow rate.
(3) Efficiencies for low temperature applications (35 °C)
(4) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: °** | | | | | | | | | | | | | | | | | | | |
| **SEER - 12/7 (EN14825: 2018) (1)** | | | | | | | | | | | | | | | | | | | |
| SEER | A | W/W | 3,91 | 4,19 | 4,10 | 4,02 | 4,24 | 4,11 | 4,20 | 4,23 | 4,17 | - (2) | - (2) | - | - | - | - | - | - |
| | E | W/W | 4,28 | 4,43 | 4,45 | 4,37 | 4,51 | 4,39 | 4,53 | 4,50 | 4,38 | 4,56 | - (2) | - | - | - | - | - | - |
| Seasonal efficiency | A | % | 153,42 | 164,55 | 160,94 | 157,62 | 166,50 | 161,53 | 165,09 | 166,23 | 163,91 | - (2) | - (2) | - | - | - | - | - | - |
| | E | % | 168,35 | 174,04 | 174,86 | 171,66 | 177,32 | 172,45 | 178,03 | 176,91 | 172,17 | 179,53 | - (2) | - | - | - | - | - | - |
| **SEER - 23/18 (EN14825: 2018) (3)** | | | | | | | | | | | | | | | | | | | |
| SEER | A | W/W | 4,55 | 4,79 | 4,75 | 4,59 | 4,77 | 4,67 | 4,76 | 4,80 | 4,74 | 4,79 | 4,83 | - | - | - | - | - | - |
| | E | W/W | 4,97 | 5,10 | 5,07 | 4,98 | 5,08 | 5,02 | 5,10 | 5,09 | 4,93 | 5,22 | 5,12 | - | - | - | - | - | - |
| Seasonal efficiency | A | % | 179,15 | 188,60 | 186,82 | 180,78 | 187,65 | 183,75 | 187,30 | 188,88 | 186,64 | 188,56 | 190,36 | - | - | - | - | - | - |
| | E | % | 195,67 | 201,20 | 199,97 | 196,33 | 200,32 | 197,97 | 200,81 | 200,73 | 194,03 | 205,60 | 201,99 | - | - | - | - | - | - |
| **UE 813/2013 performance in average ambient conditions (average) - 35 °C - Pdesignh ≤ 400 kW (4)** | | | | | | | | | | | | | | | | | | | |
| Pdesignh | A | kW | 186,20 | 213,96 | 236,22 | 271,27 | 315,32 | 351,43 | 382,83 | 387,17 | 392,43 | 534,41 | 569,02 | - | - | - | - | - | - |
| | E | kW | 190,10 | 215,96 | 238,70 | 275,27 | 316,62 | 353,47 | 392,97 | 390,59 | 396,25 | 542,88 | 578,33 | - | - | - | - | - | - |
| SCOP | A | W/W | 3,75 | 3,52 | 3,68 | 3,66 | 3,60 | 3,75 | 3,86 | 3,82 | 3,87 | 3,90 | 3,94 | - | - | - | - | - | - |
| | E | W/W | 3,65 | 3,51 | 3,61 | 3,70 | 3,57 | 3,64 | 3,79 | 3,71 | 3,77 | 3,85 | 3,88 | - | - | - | - | - | - |
| ηsh | A | % | 147,08 | 137,96 | 144,14 | 143,49 | 141,02 | 146,85 | 151,49 | 149,87 | 151,80 | 153,02 | 154,74 | - | - | - | - | - | - |
| | E | % | 143,08 | 137,31 | 141,51 | 144,82 | 139,84 | 142,66 | 148,63 | 145,46 | 147,80 | 151,00 | 152,20 | - | - | - | - | - | - |
| **UE 813/2013 performance in average ambient conditions (average) - 55 °C - Pdesignh ≤ 400 kW (5)** | | | | | | | | | | | | | | | | | | | |
| Pdesignh | A | kW | 185,78 | 212,98 | 235,97 | 271,79 | 313,94 | 350,10 | 381,59 | 387,17 | 392,43 | 532,03 | 567,53 | - | - | - | - | - | - |
| | E | kW | 189,21 | 214,50 | 237,49 | 274,43 | 314,36 | 350,59 | 388,48 | 390,59 | 396,25 | 537,99 | 573,77 | - | - | - | - | - | - |
| SCOP | A | W/W | 3,06 | 2,94 | 3,05 | 3,02 | 2,98 | 3,02 | 3,06 | 3,12 | 3,13 | 3,15 | 3,17 | - | - | - | - | - | - |
| | E | W/W | 3,03 | 2,94 | 3,01 | 3,06 | 2,99 | 2,96 | 3,04 | 3,05 | 3,07 | 3,14 | 3,15 | - | - | - | - | - | - |
| ηsh | A | % | 119,46 | 114,54 | 118,93 | 117,87 | 116,20 | 117,74 | 119,57 | 121,93 | 122,33 | 122,86 | 123,75 | - | - | - | - | - | - |
| | E | % | 118,39 | 114,59 | 117,24 | 119,51 | 116,46 | 115,34 | 118,58 | 119,01 | 119,81 | 122,48 | 123,02 | - | - | - | - | - | - |

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.
(2) Non-compliant with 2016/2281 EU regulation for comfort applications 12°C / 7°C
(3) Calculation performed with FIXED water flow rate.
(4) Efficiencies for low temperature applications (35 °C)
(5) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Electric data** | | | | | | | | | | | | | | | | | | | |
| Maximum current (FLA) | A | A | 158,8 | 185,4 | 204,2 | 232,0 | 267,6 | 295,4 | 323,2 | 376,2 | 421,4 | 457,0 | 484,8 | 542,5 | 596,1 | 641,9 | 669,8 | 705,5 | 733,3 |
| | E | A | 166,6 | 193,2 | 212,0 | 239,8 | 275,4 | 303,2 | 338,8 | 391,8 | 437,0 | 472,6 | 500,4 | 558,1 | 611,7 | 657,5 | 685,4 | - | - |
| Peak current (LRA) | A | A | 363,0 | 427,2 | 446,0 | 695,0 | 730,6 | 758,4 | 786,2 | 839,2 | 884,4 | 920,0 | 947,8 | 1004,8 | 1058,4 | 1104,2 | 1132,1 | 1167,8 | 1195,6 |
| | E | A | 370,8 | 435,0 | 453,8 | 702,8 | 738,4 | 766,2 | 801,8 | 854,8 | 900,0 | 935,6 | 963,4 | 1020,4 | 1074,0 | 1119,8 | 1147,7 | - | - |

## GENERAL TECHNICAL DATA

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compressor** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Scroll | | | | | | | | | | | | | | | | |
| Compressor regulation | A,E | Type | On-Off | | | | | | | | | | | | | | | | |
| Number | A | no. | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| | E | no. | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | - | - |
| Circuits | A | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | E | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| Refrigerant | A,E | type | R32 | | | | | | | | | | | | | | | | |
| Refrigerant load circuit 1 (1) | A | kg | 14,5 | 19,7 | 24,6 | 22,5 | 29,0 | 28,0 | 32,0 | 38,6 | 40,9 | 42,6 | 43,7 | 32,0 | 48,3 | 51,1 | 51,1 | 53,2 | 54,6 |
| | E | kg | 16,0 | 28,5 | 29,3 | 29,7 | 31,9 | 30,8 | 35,2 | 40,8 | 42,9 | 45,0 | 41,4 | 35,2 | 60,2 | 67,6 | 67,6 | - | - |
| Refrigerant load circuit 2 (1) | A | kg | 15,0 | 19,7 | 24,6 | 23,0 | 30,0 | 28,0 | 32,0 | 38,6 | 40,9 | 42,6 | 43,7 | 32,0 | 48,3 | 51,1 | 51,1 | 53,2 | 54,6 |
| | E | kg | 16,5 | 28,5 | 29,3 | 29,3 | 33,0 | 30,8 | 35,2 | 40,8 | 42,9 | 45,0 | 41,4 | 35,2 | 60,2 | 67,6 | 67,6 | - | - |
| Refrigerant load circuit 3 (1) | A | kg | - | - | - | - | - | - | - | - | - | - | - | 44,0 | 44,0 | 44,0 | 44,0 | 44,0 | 44,0 |
| | E | kg | - | - | - | - | - | - | - | - | - | - | - | 44,0 | 44,0 | 44,0 | 44,0 | - | - |
| **2-pipe system - System side heat exchanger (hot/cold)** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Brazed plate | | | | | | | | | | | | | | | | |
| Number | A | no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | E | no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | - | - |
| Connections (in/out) | A,E | Type | Grooved joints | | | | | | | | | | | | | | | | |
| Sizes (in/out) | A | 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″ | - | - |
| **2-pipe system - Recovery side heat exchanger (domestic hot water)** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Brazed plate | | | | | | | | | | | | | | | | |
| Number | A | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | E | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| Connections (in/out) | A,E | Type | Grooved joints | | | | | | | | | | | | | | | | |
| Sizes (in/out) | A | Ø | 3″ | 3″ | 3″ | 3″ | 3″ | 4″ | 4″ | 4″ | 4″ | 5″ | 5″ | 5″ | 5″ | 5″ | 5″ | 5″ | 5″ |
| | E | Ø | 3″ | 3″ | 3″ | 3″ | 3″ | 4″ | 4″ | 4″ | 4″ | 5″ | 5″ | 5″ | 5″ | 5″ | 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).

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4-pipe system - System side heat exchanger (cold side)** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Brazed plate | | | | | | | | | | | | | | | | |
| Number | A | no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | E | no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | - | - |
| Connections (in/out) | A,E | Type | Grooved joints | | | | | | | | | | | | | | | | |
| Sizes (in/out) | A | 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" | - | - |
| **4-pipe system - Recovery side heat exchanger (hot side)** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Brazed plate | | | | | | | | | | | | | | | | |
| Number | A | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | E | no. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| Connections (in/out) | A,E | Type | Grooved joints | | | | | | | | | | | | | | | | |
| Sizes (in/out) | A | Ø | 3" | 3" | 3" | 3" | 3" | 4" | 4" | 4" | 4" | 5" | 5" | 5" | 5" | 5" | 5" | 5" | 5" |
| | E | Ø | 3" | 3" | 3" | 3" | 3" | 4" | 4" | 4" | 4" | 5" | 5" | 5" | 5" | 5" | 5" | - | - |
| **Sound data calculated in cooling mode (2)** | | | | | | | | | | | | | | | | | | | |
| Sound power level | 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 | 95,6 | 96,1 | 96,1 | 96,2 | 96,7 | 96,8 |
| | 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 | - | - |

(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).

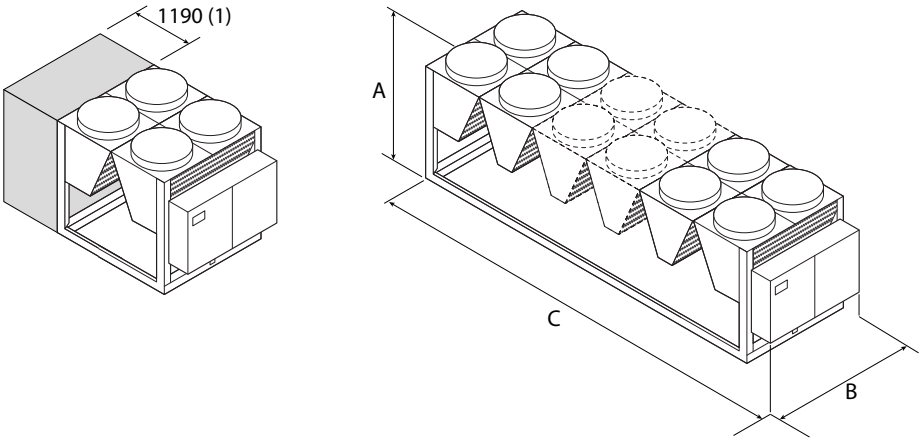
## FANS DATA

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: J** | | | | | | | | | | | | | | | | | | | |
| **Fan** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Axial | | | | | | | | | | | | | | | | |
| Fan motor | A,E | type | Inverter | | | | | | | | | | | | | | | | |
| Number | A | 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 | - | - |
| Air flow rate | A | $m^3/h$ | 82403 | 123609 | 123609 | 123605 | 164779 | 164779 | 164779 | 205996 | 205998 | 247152 | 247152 | 289826 | 331230 | 331230 | 331230 | 372633 | 372633 |
| | E | $m^3/h$ | 102378 | 136491 | 136491 | 136491 | 170613 | 170613 | 204757 | 238871 | 238871 | 272982 | 272982 | 305065 | 338981 | 338961 | 338960 | - | - |

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fans: °** | | | | | | | | | | | | | | | | | | | |
| **Fan** | | | | | | | | | | | | | | | | | | | |
| Type | A,E | type | Axial | Axial | Axial | Axial | Axial | Axial | Axial | Axial | Axial | Axial | Axial | - | - | - | - | - | - |
| Fan motor | A,E | type | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - (1) | - | - | - | - | - | - |
| Number | A | no. | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 10 | 10 | 12 | 12 | - | - | - | - | - | - |
| | E | no. | 6 | 8 | 8 | 8 | 10 | 10 | 12 | 14 | 14 | 16 | 16 | - | - | - | - | - | - |
| Air flow rate | A | $m^3/h$ | 82403 | 123609 | 123609 | 123605 | 164779 | 164779 | 164779 | 205996 | 205998 | 247152 | 247152 | - | - | - | - | - | - |
| | E | $m^3/h$ | 102378 | 136491 | 136491 | 136491 | 170613 | 170613 | 204757 | 238871 | 238871 | 272982 | 272982 | - | - | - | - | - | - |

(1) On-Off with DCPX

## DIMENSIONS




(1) Additional module needed to contain the hydronic kit with "pump" option in sizes:
NPG 0800 A

| Size | | | 0800 | 0900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimensions and weights without hydronic kit** | | | | | | | | | | | | | | | | | | | |
| A | A | mm | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 |
| | E | mm | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | - | - |
| B | A | mm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| | E | mm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | - | - |
| C | A | mm | 2820 | 4010 | 4010 | 4010 | 5200 | 5200 | 5200 | 6390 | 6390 | 7580 | 7580 | 9960 | 11150 | 11150 | 11150 | 12340 | 12340 |
| | E | mm | 4010 | 5200 | 5200 | 5200 | 6390 | 6390 | 7580 | 8770 | 8770 | 9960 | 9960 | 12340 | 13530 | 13530 | 13530 | - | - |
| Empty weight | A | kg | 2575 | 3120 | 3130 | 3325 | 4115 | 4305 | 4605 | 5400 | 5805 | 6640 | 6740 | 8254 | 9076 | 9471 | 9571 | 10323 | 10413 |
| | E | kg | 3085 | 3745 | 3755 | 3955 | 4690 | 4865 | 5565 | 6400 | 6780 | 7690 | 7825 | 9268 | 10175 | 10540 | 10640 | - | - |
| **Dimensions and weights with pump/s** | | | | | | | | | | | | | | | | | | | |
| A | A | mm | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 |
| | E | mm | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | - | - |
| B | A | mm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| | E | mm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | - | - |
| C | A | mm | 4010 | 4010 | 4010 | 4010 | 5200 | 5200 | 5200 | 6390 | 6390 | 7580 | 7580 | 9960 | 11150 | 11150 | 11150 | 12340 | 12340 |
| | E | mm | 4010 | 5200 | 5200 | 5200 | 6390 | 6390 | 7580 | 8770 | 8770 | 9960 | 9960 | 12340 | 13530 | 13530 | 13530 | - | - |

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