

NRG 0282-0804

Air-water chiller

Cooling capacity 55,8 ÷ 224,6 kW



- High efficiency also at partial loads
- Low refrigerant charge
- Compact dimensions



DESCRIPTION

Air-cooled outdoor chiller designed to meet air conditioning needs in residential/commercial complexes or industrial applications.

These are outdoor units with streamlined scroll compressors used with R32 gas (A2L).

Condensing coil with copper pipes and aluminium louvers, plate heat exchanger.

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
- N Silenced very high efficiency
- U Very high efficiency

FEATURES

Operating field

Operation at full load up to 50°C external air temperature. Unit can produce chilled water up to -10 °C.

For more information refer to the selection program and to the dedicated documentation.

Units mono or dual-circuit

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

Refrigerant HFC R32

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

Combining a reduced refrigerant load with a low global warming potential (GWP), these units boast low equivalent CO₂ values.

- *The leak detector is supplied as per standard.*

New condensing Coils

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

Electronic expansion valve

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

Option integrated hydronic kit

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

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

- **VARIABLE FLOW RATE:** *Correctly adjust the speed of the inverter-controlled pumps according to the load demand of the system, in order to reduce power consumption and to guarantee operation of the unit even in critical conditions.*

CONTROL

Microprocessor control, with keyboard and LCD display, for easy access on the unit with a menu available in several languages.

- 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:** the function can be activated with inverter fans or with DCPX which allows unit operation to be optimised at any operating point through continuous modulation of the fan speed. In addition, the use of inverter fans ensures an increase in energy efficiency at partial loads.
- **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.

AERBAC-ONE: Ethernet communication interface for Bacnet/IP and Modbus TCP/IP protocols, HTTPS protocol for web interface, encrypted communication protocols and access credential management in accordance with the latest standards. One accessory is provided for each unit control board.

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

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

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

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.

SGD: Electronic board designed to receive external signals from the electricity grid or energy suppliers, converting them into Modbus commands for our units. This system allows you to vary the operation of our generators to optimise consumption based on electricity prices, grid load or the availability of renewable sources. The key principle of the standard is demand response: shifting consumption from peak demand times to times when energy is cheaper and more environmentally sustainable.

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.*

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

GP: Anti-intrusion grid.

VT: 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.

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

ACCESSORIES COMPATIBILITY

Accessories

| Model | Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| AER485P1 | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| AERBAC-ONE | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| AERBACP | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| AERLINK | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| AERNET | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| MULTICHILLER-EVO | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| PGD1 | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| SGD | °A | | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | E,N | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | L | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | U | | | | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

Remote panel

| Model | Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|-------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PR4 | °A | | | | | | | | | | | | | | | | | | |
| | E,N | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | U | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

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

Condensation control temperature

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Fans: M | | | | | | | | | |
| °A | - | - | - | - | DCPX146 | DCPX146 | DCPX147 | DCPX146 | DCPX147 |
| E, L | - | - | - | - | As standard |
| N | - | - | - | As standard |
| U | - | - | - | DCPX146 | DCPX146 | DCPX146 | DCPX147 | DCPX147 | DCPX147 |
| Fans: ° | | | | | | | | | |
| E, L | DCPX145 | DCPX145 | DCPX145 | DCPX145 | - | - | - | - | - |
| N | DCPX145 | DCPX145 | DCPX145 | - | - | - | - | - | - |
| Ver | | | | | | | | | |
| 0652 0654 0682 0702 0704 0752 0754 0802 0804 | | | | | | | | | |
| Fans: M | | | | | | | | | |
| °A | DCPX146 | DCPX147 |
| E | As standard |
| L | As standard | - | - |
| N | As standard | As standard | As standard | - | - | - | - | - | - |
| U | DCPX147 | DCPX147 | DCPX147 | - | - | - | - | - | - |

Antivibration

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Integrated hydronic kit: 00, 11, 12, 13, 14, P1, P2, P3, P4 | | | | | | | | | | | | | | | | | | |
| ° | - | - | - | - | VT11 | VT22 |
| A | - | - | - | - | VT11 | VT22 |
| E | VT17 | VT13 | VT13 | VT13 | VT11 | VT22 |
| L | VT17 | VT17 | VT13 | VT13 | VT11 | VT22 | VT22 | VT22 | VT22 | VT22 | - | - |
| N | VT13 | VT13 | VT13 | VT11 | VT11 | VT11 | VT22 |
| U | - | - | - | VT11 | VT11 | VT11 | VT22 |
| Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08, K1, K2, K3, K4, W1, W2, W3, W4 | | | | | | | | | | | | | | | | | | |
| ° | - | - | - | - | VT11 | VT22 |
| A | - | - | - | - | VT11 | VT22 |
| E | VT13 | VT13 | VT13 | VT13 | VT11 | VT22 |
| L | VT13 | VT13 | VT13 | VT13 | VT11 | VT22 | VT22 | VT22 | VT22 | VT22 | - | - |
| N | VT13 | VT13 | VT13 | VT11 | VT11 | VT11 | VT22 |
| U | - | - | - | VT11 | VT11 | VT11 | VT22 |

Anti-intrusion grid

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 |
|-----|------|------|------|------|-------------|-------------|-------------|-------------|-------------|
| °A | - | - | - | - | GP2 x 2 (1) |
| E | GP3 | GP4 | GP4 | GP4 | GP2 x 2 (1) |
| L | GP3 | GP3 | GP4 | GP4 | GP2 x 2 (1) |
| N | GP4 | GP4 | GP4 | GP4 | GP2 x 2 (1) | GP2 x 3 (1) |
| U | - | - | - | - | GP2 x 2 (1) | GP2 x 3 (1) |

(1) x _ indicates the quantity to buy

The accessory cannot be fitted on the configurations indicated with -

| Ver | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ° | GP2 x 2 (1) | GP2 x 2 (1) | GP2 x 3 (1) |
| A, E | GP2 x 2 (1) | GP2 x 3 (1) |
| L | GP2 x 2 (1) | GP2 x 2 (1) | GP2 x 3 (1) | - | - |
| N, U | GP2 x 3 (1) |

(1) x _ indicates the quantity to buy

Device for peak current reduction

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 |
|---------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| °A | - | - | DRENRG332N | - | DRENRG502 | DRENRG552 | DRENRG554 | DRENRG602 | DRENRG604 | DRENRG652 |
| E, L, N | DRENRG282 | DRENRG302 | DRENRG332N | DRENRG352 | DRENRG502 | DRENRG552 | DRENRG554 | DRENRG602 | DRENRG604 | DRENRG652 |
| U | - | - | DRENRG332N | DRENRG352 | DRENRG502 | DRENRG552 | DRENRG554 | DRENRG602 | DRENRG604 | DRENRG652 |

The accessory cannot be fitted on the configurations indicated with -

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

| Ver | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| °A, E, N, U | DRENRG654N | DRENRG682 | DRENRG702 | DRENRG704 | DRENRG752 | DRENRG754 | DRENRG802 | DRENRG804 |
| L | DRENRG654N | DRENRG682 | DRENRG702 | DRENRG704 | DRENRG752 | DRENRG754 | - | - |

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

Power factor correction

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 |
|---------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ° A | - | - | RIFNRG332N | - | RIFNRG502 | RIFNRG552 | RIFNRG554 | RIFNRG602 | RIFNRG604 | RIFNRG652 |
| E, L, N | RIFNRG282 | RIFNRG302 | RIFNRG332N | RIFNRG352 | RIFNRG502 | RIFNRG552 | RIFNRG554 | RIFNRG602 | RIFNRG604 | RIFNRG652 |
| U | - | - | RIFNRG332N | RIFNRG352 | RIFNRG502 | RIFNRG552 | RIFNRG554 | RIFNRG602 | RIFNRG604 | RIFNRG652 |

The accessory cannot be fitted on the configurations indicated with -
A grey background indicates the accessory must be assembled in the factory

| Ver | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ° A, E, N, U | RIFNRG654N | RIFNRG682 | RIFNRG702 | RIFNRG704 | RIFNRG752 | RIFNRG754 | RIFNRG802 | RIFNRG804 |
| L | RIFNRG654N | RIFNRG682 | RIFNRG702 | RIFNRG704 | RIFNRG752 | RIFNRG754 | - | - |

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

Double safety valves

| Ver | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ° A, E, N, U | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 |
| L | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG1 | T6NRG2 | T6NRG1 | T6NRG2 | - | - |

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

CONFIGURATOR

- For sizes ranging from 0502 to 0804 (versions °, A, U), a special MR version is available, featuring larger inverter-controlled fans capable of delivering a useful static pressure up to 200 Pa. The MR version is designed for installation in a machinery room, as defined by standard EN 378-3, ISO 5149-3.

| Field | Description |
|----------------|--|
| 1,2,3 | NRG |
| | Size |
| 4,5,6,7 | 0282, 0302, 0332, 0352, 0502, 0552, 0554, 0602, 0604, 0652, 0654, 0682, 0702, 0704, 0752, 0754, 0802, 0804 |
| 8 | Operating field |
| | X Electronic thermostatic expansion valve (1) |
| | Z Low temperature electronic thermostatic valve (2) |
| 9 | Model |
| | ° Cooling only |
| 10 | Heat recovery |
| | D With desuperheater (3) |
| | T With total recovery |
| | ° Without heat recovery |
| 11 | Version |
| | ° Standard |
| | A High efficiency |
| | E Silenced high efficiency (4) |
| | L Standard silenced (4) |
| | N Silenced very high efficiency (4) |
| | U Very high efficiency |
| 12 | Coils |
| | R Copper pipes-copper fins |
| | V Copper - coated aluminium |
| | ° Copper - aluminium |
| 13 | Fans |
| | J Inverter (5) |
| | M Increased (6) |
| | ° Standard (7) |
| 14 | Power supply |
| | ° 400V ~ 3N 50Hz with magnet circuit breakers |
| 15,16 | Integrated hydronic kit |
| | 00 Without hydronic kit |
| | Kit with storage tank and pump/s |
| | 01 Storage tank with low head pump |

| Field | Description |
|-------|--|
| 02 | Storage tank with low head pump + stand-by pump |
| 03 | Storage tank with high head pump |
| 04 | Storage tank with high head pump + stand-by pump |
| | Kit with pump/s and storage tank with holes for heaters |
| 05 | Storage tank with holes for heaters and single low head pump (8) |
| 06 | Storage tank with holes for heaters and pump low head + stand-by pump (8) |
| 07 | Storage tank with holes for heaters and single high head pump (8) |
| 08 | Storage tank with holes for heaters and pump high head + stand-by pump (8) |
| | Double loop |
| 09 | Double loop |
| | Kit with pump/s |
| P1 | Single pump low head |
| P2 | Pump low head + stand-by pump |
| P3 | Single pump high head |
| P4 | Pump high head + stand-by pump |
| | Kit with inverter pump/s to fixed speed |
| I1 | Single low head pump + fixed speed inverter |
| I2 | Single low head pump with fixed speed inverter + stand-by pump |
| I3 | Single high head pump + fixed speed inverter |
| I4 | Single high head pump with fixed speed inverter + stand-by pump |
| | Kit with storage tank and inverter pump/s to fixed speed |
| K1 | Single low head pump + storage tank + fixed speed inverter |
| K2 | Storage tank and low head pump with fixed speed inverter + stand-by pump |
| K3 | Single high head pump + storage tank + fixed speed inverter |
| K4 | Storage tank and low head pump with fixed speed inverter + stand-by pump |
| | Kit with storage tank and variable speed inverter pump/s |
| W1 | Single low head pump + Storage tank + variable speed inverter |
| W2 | Double low head pump + Storage tank + variable speed inverter |
| W3 | Single high head pump + Storage tank + variable speed inverter |
| W4 | Double high head pump + Storage tank + variable speed inverter |

- (1) Water produced from 4 °C = 20 °C
- (2) Water produced from 8 °C to -10 °C. The option is not compatible with hydronic kits W1-W2-W3-W4.
- (3) Warning: on the recovery side, a minimum input temperature of 35°C must always be guaranteed on the heat exchanger. For more information about the unit operating range, refer to the Magellano selection program
- (4) The size 0282-0302-0332-0352 only available in low noise versions.
- (5) As standard in size 0702-0704-0752-0754-0802-0804 in the version U and N.
- (6) As standard in sizes from 0502 to 0804 version ° - L - A - E and in sizes from 0352 to 0682 and in sizes from 0554 to 0654 version N - U.
- (7) As standard in sizes from 0282 to 0352 versions E - L and in size from 0282 to 0332 version N
- (8) Storage tanks with holes for supplementary heaters (not provided) are sent from the factory with plastic protection caps. Before loading the system, if the installation of one or all resistances is not expected, all plastic caps must be replaced with the special caps, commonly commercially available.

PERFORMANCE SPECIFICATIONS

NRG - °

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|---|-----|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | - | - | - | - | 100,8 | 110,6 | 117,6 | 127,1 | 130,0 | 138,5 | 143,5 | 161,9 | 182,0 | 171,7 | 203,9 | 194,0 | 222,4 | 212,3 |
| Input power | kW | - | - | - | - | 33,4 | 37,8 | 37,8 | 39,7 | 44,2 | 45,1 | 50,7 | 52,5 | 59,4 | 57,4 | 69,6 | 66,5 | 80,4 | 74,8 |
| Cooling total input current | A | - | - | - | - | 59,00 | 64,00 | 59,00 | 68,00 | 79,00 | 77,00 | 91,00 | 88,00 | 95,00 | 108,00 | 111,00 | 117,00 | 127,00 | 126,00 |
| EER | W/W | - | - | - | - | 3,02 | 2,92 | 3,11 | 3,20 | 2,94 | 3,07 | 2,83 | 3,08 | 3,06 | 2,99 | 2,93 | 2,92 | 2,77 | 2,84 |
| Water flow rate system side | l/h | - | - | - | - | 17.363 | 19.059 | 20.268 | 21.893 | 22.383 | 23.841 | 24.712 | 27.874 | 31.338 | 29.554 | 35.100 | 33.389 | 38.287 | 36.547 |
| Pressure drop system side | kPa | - | - | - | - | 40 | 49 | 46 | 44 | 56 | 53 | 50 | 54 | 69 | 71 | 68 | 67 | 81 | 80 |

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

NRG - L

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 |
|---|-----|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 55,8 | 63,8 | 73,3 | 84,5 | 98,9 | 108,2 | 113,4 | 123,5 | 123,9 | 132,9 | 139,3 | 159,0 | 178,5 | 168,5 | 198,8 | 189,6 |
| Input power | kW | 19,7 | 22,1 | 24,4 | 28,6 | 33,9 | 38,6 | 38,5 | 40,9 | 45,2 | 46,7 | 53,6 | 53,5 | 60,3 | 59,0 | 71,8 | 68,2 |
| Cooling total input current | A | 32,00 | 41,00 | 45,00 | 55,00 | 58,00 | 63,00 | 59,00 | 68,00 | 79,00 | 77,00 | 92,00 | 88,00 | 96,00 | 107,00 | 112,00 | 117,00 |
| EER | W/W | 2,83 | 2,88 | 3,01 | 2,95 | 2,92 | 2,80 | 2,95 | 3,02 | 2,74 | 2,85 | 2,60 | 2,97 | 2,96 | 2,85 | 2,77 | 2,78 |
| Water flow rate system side | l/h | 9.604 | 10.989 | 12.618 | 14.572 | 17.043 | 18.647 | 19.537 | 21.269 | 21.332 | 22.880 | 23.984 | 27.367 | 30.726 | 29.004 | 34.224 | 32.640 |
| Pressure drop system side | kPa | 35 | 46 | 37 | 50 | 39 | 46 | 45 | 43 | 54 | 50 | 47 | 52 | 66 | 69 | 65 | 64 |

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

NRG - A

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|---|-----|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | - | - | - | - | 105,3 | 116,3 | 118,7 | 129,7 | 132,2 | 141,2 | 151,3 | 167,9 | 186,4 | 177,0 | 208,8 | 199,2 | 228,6 | 218,5 |
| Input power | kW | - | - | - | - | 31,0 | 34,9 | 37,7 | 40,1 | 43,8 | 45,6 | 47,8 | 51,1 | 57,3 | 56,2 | 67,0 | 64,9 | 77,2 | 73,6 |
| Cooling total input current | A | - | - | - | - | 56,00 | 60,00 | 60,00 | 69,00 | 80,00 | 78,00 | 88,00 | 85,00 | 93,00 | 106,00 | 108,00 | 115,00 | 124,00 | 123,00 |
| EER | W/W | - | - | - | - | 3,39 | 3,33 | 3,14 | 3,23 | 3,02 | 3,09 | 3,16 | 3,29 | 3,25 | 3,15 | 3,12 | 3,07 | 2,96 | 2,97 |
| Water flow rate system side | l/h | - | - | - | - | 18.133 | 20.029 | 20.437 | 22.332 | 22.778 | 24.316 | 26.053 | 28.900 | 32.076 | 30.475 | 35.940 | 34.279 | 39.342 | 37.605 |
| Pressure drop system side | kPa | - | - | - | - | 30 | 36 | 34 | 34 | 42 | 41 | 56 | 45 | 57 | 56 | 62 | 59 | 74 | 72 |

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

NRG - E

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 58,7 | 64,8 | 74,8 | 88,1 | 101,0 | 112,1 | 115,3 | 124,8 | 126,8 | 134,9 | 147,6 | 161,6 | 180,1 | 171,4 | 201,8 | 191,5 | 216,6 | 208,9 |
| Input power | kW | 18,7 | 21,5 | 23,3 | 27,6 | 31,6 | 35,8 | 38,6 | 40,7 | 45,6 | 46,8 | 49,3 | 52,1 | 59,4 | 58,0 | 70,9 | 67,4 | 81,8 | 77,1 |
| Cooling total input current | A | 31,00 | 41,00 | 45,00 | 54,00 | 55,00 | 60,00 | 61,00 | 70,00 | 81,00 | 79,00 | 87,00 | 85,00 | 95,00 | 106,00 | 111,00 | 116,00 | 129,00 | 126,00 |
| EER | W/W | 3,14 | 3,02 | 3,21 | 3,19 | 3,20 | 3,13 | 2,98 | 3,07 | 2,78 | 2,88 | 2,99 | 3,10 | 3,03 | 2,96 | 2,85 | 2,84 | 2,65 | 2,71 |
| Water flow rate system side | l/h | 10.097 | 11.156 | 12.874 | 15.166 | 17.382 | 19.311 | 19.858 | 21.482 | 21.840 | 23.238 | 25.406 | 27.822 | 31.004 | 29.499 | 34.739 | 32.965 | 37.282 | 35.953 |
| Pressure drop system side | kPa | 24 | 29 | 28 | 37 | 28 | 34 | 32 | 32 | 38 | 37 | 53 | 43 | 53 | 52 | 57 | 55 | 67 | 65 |

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

NRG - U

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|---|-----|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | - | - | - | 94,0 | 105,1 | 116,7 | 122,4 | 134,4 | 135,9 | 148,2 | 154,1 | 170,1 | 192,0 | 179,4 | 215,0 | 203,9 | 236,8 | 224,6 |
| Input power | kW | - | - | - | 26,8 | 30,6 | 34,4 | 36,1 | 38,2 | 41,9 | 42,9 | 46,5 | 49,5 | 57,5 | 56,2 | 66,4 | 63,6 | 75,7 | 72,1 |
| Cooling total input current | A | - | - | - | 53,00 | 57,00 | 61,00 | 58,00 | 68,00 | 78,00 | 76,00 | 87,00 | 83,00 | 92,00 | 106,00 | 106,00 | 114,00 | 120,00 | 121,00 |
| EER | W/W | - | - | - | 3,51 | 3,43 | 3,39 | 3,39 | 3,52 | 3,24 | 3,45 | 3,32 | 3,44 | 3,34 | 3,19 | 3,24 | 3,20 | 3,13 | 3,11 |
| Water flow rate system side | l/h | - | - | - | 16.172 | 18.095 | 20.096 | 21.081 | 23.146 | 23.408 | 25.528 | 26.524 | 29.288 | 33.054 | 30.884 | 37.012 | 35.090 | 40.762 | 38.655 |
| Pressure drop system side | kPa | - | - | - | 24 | 30 | 28 | 37 | 38 | 46 | 36 | 43 | 47 | 53 | 58 | 66 | 59 | 80 | 72 |

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

NRG - N

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performance 12 °C / 7 °C (1) | | | | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 59,7 | 66,0 | 76,0 | 92,0 | 103,0 | 114,9 | 120,1 | 131,5 | 132,9 | 144,6 | 148,5 | 163,6 | 188,0 | 175,9 | 209,5 | 199,0 | 227,4 | 218,5 |
| Input power | kW | 18,1 | 20,8 | 23,3 | 27,9 | 31,8 | 36,1 | 37,0 | 39,2 | 43,2 | 44,5 | 48,5 | 52,1 | 57,9 | 56,8 | 67,6 | 65,1 | 78,0 | 74,5 |
| Cooling total input current | A | 30,00 | 41,00 | 45,00 | 52,00 | 57,00 | 62,00 | 57,00 | 67,00 | 78,00 | 75,00 | 88,00 | 85,00 | 92,00 | 106,00 | 107,00 | 114,00 | 123,00 | 123,00 |
| EER | W/W | 3,29 | 3,17 | 3,26 | 3,30 | 3,24 | 3,18 | 3,25 | 3,35 | 3,07 | 3,25 | 3,06 | 3,14 | 3,25 | 3,10 | 3,10 | 3,06 | 2,92 | 2,93 |
| Water flow rate system side | l/h | 10.270 | 11.372 | 13.087 | 15.837 | 17.726 | 19.768 | 20.680 | 22.650 | 22.893 | 24.895 | 25.579 | 28.156 | 32.351 | 30.273 | 36.062 | 34.256 | 39.138 | 37.603 |
| Pressure drop system side | kPa | 25 | 31 | 29 | 23 | 28 | 26 | 36 | 36 | 44 | 34 | 41 | 44 | 50 | 56 | 63 | 57 | 75 | 68 |

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

ENERGY INDICES (REG. 2016/2281 EU)

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|-------------------------------------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fans: J | | | | | | | | | | | | | | | | | | | | |
| SEER - 12/7 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEER | ° | W/W | - | - | - | - | 4,41 | 4,44 | 4,55 | 4,60 | 4,54 | 4,47 | 4,49 | 4,52 | 4,54 | 4,51 | 4,48 | 4,50 | 4,39 | 4,50 |
| | A | W/W | - | - | - | - | 4,58 | 4,66 | 4,57 | 4,70 | 4,55 | 4,70 | 4,55 | 4,75 | 4,70 | 4,62 | 4,69 | 4,57 | 4,49 | 4,50 |
| | E | W/W | 4,62 | 4,47 | 4,63 | 4,59 | 4,63 | 4,58 | 4,57 | 4,65 | 4,56 | 4,45 | 4,57 | 4,71 | 4,53 | 4,59 | 4,52 | 4,58 | 4,38 | 4,49 |
| | L | W/W | 4,39 | 4,34 | 4,54 | 4,46 | 4,44 | 4,39 | 4,53 | 4,45 | 4,53 | 4,38 | 4,48 | 4,43 | 4,40 | 4,52 | 4,40 | 4,51 | - | - |
| | N | W/W | 4,81 | 4,75 | 4,77 | 4,84 | 4,80 | 4,67 | 4,69 | 4,92 | 4,64 | 4,80 | 4,67 | 4,91 | 4,78 | 4,69 | 4,78 | 4,69 | 4,57 | 4,47 |
| | U | W/W | - | - | - | 4,82 | 4,82 | 4,86 | 4,67 | 4,81 | 4,63 | 4,87 | 4,69 | 4,98 | 4,79 | 4,64 | 4,82 | 4,63 | 4,68 | 4,53 |
| Seasonal efficiency | ° | % | - | - | - | - | 173,58 | 174,74 | 179,10 | 180,83 | 178,45 | 175,82 | 176,71 | 177,88 | 178,52 | 177,28 | 176,23 | 177,05 | 172,66 | 177,16 |
| | A | % | - | - | - | - | 180,10 | 183,49 | 179,80 | 185,12 | 179,05 | 185,07 | 178,84 | 186,91 | 184,84 | 181,88 | 184,70 | 179,97 | 176,68 | 176,85 |
| | E | % | 181,75 | 175,68 | 182,02 | 180,42 | 182,20 | 180,05 | 179,93 | 182,95 | 179,47 | 174,81 | 179,83 | 185,22 | 178,07 | 180,55 | 177,98 | 180,12 | 172,15 | 176,51 |
| | L | % | 172,43 | 170,56 | 178,42 | 175,59 | 174,74 | 172,57 | 178,33 | 175,12 | 178,16 | 172,14 | 176,27 | 174,27 | 173,12 | 177,83 | 173,00 | 177,48 | - | - |
| | N | % | 189,37 | 186,85 | 187,78 | 190,45 | 188,97 | 183,88 | 184,78 | 193,73 | 182,79 | 189,16 | 183,84 | 193,40 | 188,13 | 184,55 | 188,20 | 184,44 | 179,87 | 175,93 |
| | U | % | - | - | - | 189,92 | 189,84 | 191,24 | 183,76 | 189,36 | 182,31 | 191,78 | 184,50 | 196,29 | 188,73 | 182,61 | 189,96 | 182,12 | 184,15 | 178,15 |
| Water Regulation (1) | °A | type | - | - | - | - | VW/VO |
| | E,N | type | VW/VO | | | | | | | | | | | | | | | | | |
| | L | type | VW/VO | - | - |
| | U | type | - | - | - | VW/VO |
| SEER - 23/18 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEER | ° | W/W | - | - | - | - | 5,40 | 5,21 | 5,56 | 5,44 | 5,52 | 5,22 | 5,48 | 5,34 | 5,49 | 5,54 | 5,38 | 5,49 | 5,29 | 5,31 |
| | A | W/W | - | - | - | - | 5,67 | 5,55 | 5,69 | 5,60 | 5,67 | 5,25 | 5,63 | 5,67 | 5,71 | 5,71 | 5,65 | 5,60 | 5,44 | 5,32 |
| | E | W/W | 5,67 | 5,47 | 5,72 | 5,64 | 5,57 | 5,25 | 5,62 | 5,32 | 5,61 | 4,97 | 5,60 | 5,46 | 5,23 | 5,58 | 5,18 | 5,51 | 5,03 | 5,18 |
| | L | W/W | 5,28 | 5,22 | 5,54 | 5,44 | 5,24 | 4,90 | 5,55 | 5,10 | 5,53 | 4,89 | 5,49 | 5,23 | 5,07 | 5,49 | 5,01 | 5,42 | - | - |
| | N | W/W | 5,95 | 5,86 | 5,95 | 5,85 | 5,79 | 5,37 | 5,78 | 5,81 | 5,72 | 5,59 | 5,75 | 5,72 | 5,68 | 5,75 | 5,64 | 5,69 | 5,38 | 5,48 |
| | U | W/W | - | - | - | 6,03 | 6,00 | 5,79 | 5,87 | 5,73 | 5,82 | 5,45 | 5,87 | 5,98 | 5,85 | 5,78 | 5,83 | 5,70 | 5,67 | 5,39 |
| Seasonal efficiency | ° | % | - | - | - | - | 213,10 | 205,50 | 219,28 | 214,62 | 217,94 | 205,88 | 216,12 | 210,53 | 216,44 | 218,57 | 212,09 | 216,53 | 208,74 | 209,47 |
| | A | % | - | - | - | - | 223,95 | 219,16 | 224,63 | 220,92 | 223,78 | 207,01 | 222,37 | 223,87 | 225,27 | 225,31 | 223,04 | 220,81 | 214,56 | 209,70 |
| | E | % | 223,84 | 215,94 | 225,95 | 222,42 | 219,91 | 207,09 | 221,91 | 209,69 | 221,54 | 195,67 | 220,84 | 215,54 | 206,14 | 220,21 | 204,27 | 217,37 | 198,40 | 204,20 |
| | L | % | 208,23 | 205,88 | 218,52 | 214,76 | 206,73 | 193,16 | 218,94 | 200,94 | 218,35 | 192,79 | 216,48 | 206,35 | 199,68 | 216,69 | 197,39 | 213,83 | - | - |
| | N | % | 235,11 | 231,35 | 234,94 | 231,09 | 228,64 | 211,80 | 228,18 | 229,29 | 225,84 | 220,70 | 227,14 | 225,80 | 224,31 | 226,89 | 222,50 | 224,80 | 212,30 | 216,12 |
| | U | % | - | - | - | 238,28 | 237,18 | 228,77 | 231,75 | 226,06 | 229,65 | 215,08 | 231,75 | 236,05 | 230,81 | 228,08 | 230,09 | 224,98 | 223,82 | 212,72 |
| Water Regulation (1) | °A | type | - | - | - | - | VW/FO |
| | E,N | type | VW/FO | | | | | | | | | | | | | | | | | |
| | L | type | VW/FO | - | - |
| | U | type | - | - | - | VW/FO |
| SEPR - (EN 14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEPR | ° | W/W | - | - | - | - | 5,78 | 5,60 | 6,35 | 5,79 | 6,38 | 5,73 | 6,34 | 5,66 | 6,07 | 6,34 | 5,81 | 6,03 | 5,78 | 5,94 |
| | A | W/W | - | - | - | - | 6,23 | 5,98 | 6,61 | 5,93 | 6,60 | 6,14 | 6,51 | 5,98 | 6,27 | 6,54 | 6,05 | 6,08 | 5,90 | 5,90 |
| | E | W/W | 6,66 | 6,39 | 6,59 | 6,52 | 6,30 | 6,03 | 6,47 | 5,93 | 6,55 | 5,79 | 6,41 | 6,01 | 6,13 | 6,44 | 5,85 | 6,06 | 5,12 | 5,87 |
| | L | W/W | 6,34 | 6,26 | 6,43 | 6,30 | 5,86 | 5,68 | 6,35 | 5,73 | 6,47 | 5,69 | 6,47 | 5,64 | 5,95 | 6,28 | 5,72 | 5,92 | - | - |
| | N | W/W | 6,87 | 6,70 | 6,81 | 6,88 | 6,47 | 6,14 | 6,58 | 6,20 | 6,54 | 6,21 | 6,57 | 6,17 | 6,54 | 6,56 | 6,25 | 6,19 | 5,93 | 6,35 |
| | U | W/W | - | - | - | 6,73 | 6,43 | 6,14 | 6,73 | 6,18 | 6,68 | 6,51 | 6,73 | 6,26 | 6,34 | 6,68 | 6,18 | 6,30 | 6,10 | 5,99 |
| Water Regulation (1) | °A | type | - | - | - | - | FW/FO |
| | E,N | type | FW/FO | | | | | | | | | | | | | | | | | |
| | L | type | FW/FO | - | - |
| | U | type | - | - | - | FW/FO |

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

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|------------------------------------|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fans: M | | | | | | | | | | | | | | | | | | | | |
| SEER - 12/7 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEER | ° | W/W | - | - | - | - | 4,29 | 4,32 | 4,41 | 4,46 | 4,40 | 4,34 | 4,35 | 4,39 | 4,41 | 4,37 | 4,35 | 4,37 | 4,27 | 4,37 |
| | A | W/W | - | - | - | - | 4,10 | 4,53 | 4,43 | 4,57 | 4,42 | 4,57 | 4,41 | 4,61 | 4,56 | 4,49 | 4,56 | 4,44 | 4,37 | 4,36 |
| | E | W/W | - | - | - | - | 4,50 | 4,45 | 4,43 | 4,51 | 4,42 | 4,32 | 4,43 | 4,57 | 4,40 | 4,45 | 4,39 | 4,44 | 4,25 | 4,36 |
| | L | W/W | - | - | - | - | 4,31 | 4,26 | 4,39 | 4,32 | 4,39 | 4,25 | 4,35 | 4,30 | 4,28 | 4,39 | 4,27 | 4,38 | - | - |
| | N | W/W | - | - | - | - | 4,66 | 4,54 | 4,55 | 4,78 | 4,51 | 4,66 | 4,53 | 4,77 | - | - | - | - | - | - |
| | U | W/W | - | - | - | - | 4,68 | 4,72 | 4,53 | 4,67 | 4,50 | 4,73 | 4,55 | 4,84 | - | - | - | - | - | - |
| Seasonal efficiency | ° | % | - | - | - | - | 168,63 | 169,73 | 173,58 | 175,60 | 172,91 | 170,73 | 171,16 | 172,62 | 173,37 | 171,91 | 171,00 | 171,64 | 167,62 | 171,84 |
| | A | % | - | - | - | - | 161,10 | 178,12 | 174,39 | 179,60 | 173,80 | 179,63 | 173,55 | 181,46 | 179,53 | 176,51 | 179,37 | 174,59 | 171,73 | 171,53 |
| | E | % | - | - | - | - | 176,92 | 174,89 | 174,34 | 177,60 | 173,99 | 169,66 | 174,32 | 179,72 | 172,96 | 175,04 | 172,74 | 174,72 | 167,06 | 171,20 |
| | L | % | - | - | - | - | 169,59 | 167,46 | 172,78 | 169,78 | 172,69 | 167,06 | 170,92 | 169,15 | 168,08 | 172,47 | 167,94 | 172,13 | - | - |
| | N | % | - | - | - | - | 183,50 | 178,52 | 179,07 | 188,01 | 177,25 | 183,59 | 178,33 | 187,67 | - | - | - | - | - | - |
| | U | % | - | - | - | - | 184,38 | 185,75 | 178,10 | 183,77 | 176,82 | 186,25 | 178,89 | 190,50 | - | - | - | - | - | - |
| Water Regulation (1) | °A,E | type | - | - | - | - | VW/VO |
| | L | type | - | - | - | - | VW/VO | - | - |
| | N | type | - | - | - | - | VW/VO | - | - |
| | U | type | - | - | - | - | VW/VO | - | - | - | - | - | - |

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

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|-------------------------------------|------|------|------|------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SEER - 23/18 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEER | ° | W/W | - | - | - | - | 5,26 | 5,07 | 5,39 | 5,29 | 5,35 | 5,08 | 5,31 | 5,19 | 5,34 | 5,37 | 5,22 | 5,32 | 5,15 | 5,15 |
| | A | W/W | - | - | - | - | 4,73 | 5,40 | 5,52 | 5,44 | 5,50 | 5,10 | 5,47 | 5,51 | 5,55 | 5,54 | 5,49 | 5,43 | 5,29 | 5,16 |
| | E | W/W | - | - | - | - | 5,42 | 5,11 | 5,45 | 5,17 | 5,44 | 4,83 | 5,43 | 5,31 | 5,09 | 5,41 | 5,04 | 5,35 | 4,90 | 5,02 |
| | L | W/W | - | - | - | - | 5,10 | 4,77 | 5,38 | 4,95 | 5,36 | 4,76 | 5,32 | 5,09 | 4,93 | 5,33 | 4,87 | 5,26 | - | - |
| | N | W/W | - | - | - | - | 5,63 | 5,22 | 5,60 | 5,64 | 5,55 | 5,44 | 5,58 | 5,56 | - | - | - | - | - | - |
| | U | W/W | - | - | - | - | 5,84 | 5,64 | 5,68 | 5,56 | 5,64 | 5,30 | 5,69 | 5,81 | - | - | - | - | - | - |
| Seasonal efficiency | ° | % | - | - | - | - | 207,20 | 199,77 | 212,41 | 208,57 | 211,05 | 200,05 | 209,20 | 204,43 | 210,42 | 211,87 | 205,99 | 209,84 | 202,87 | 203,06 |
| | A | % | - | - | - | - | 186,28 | 212,95 | 217,77 | 214,56 | 217,15 | 201,16 | 215,74 | 217,49 | 219,02 | 218,61 | 216,78 | 214,15 | 208,79 | 203,31 |
| | E | % | - | - | - | - | 213,73 | 201,35 | 214,94 | 203,70 | 214,72 | 190,12 | 214,04 | 209,31 | 200,44 | 213,41 | 198,42 | 210,81 | 192,81 | 197,96 |
| | L | % | - | - | - | - | 200,82 | 187,64 | 212,01 | 194,99 | 211,51 | 187,33 | 209,76 | 200,46 | 194,10 | 210,04 | 191,74 | 207,30 | - | - |
| | N | % | - | - | - | - | 222,22 | 205,81 | 221,07 | 222,71 | 218,95 | 214,46 | 220,29 | 219,33 | - | - | - | - | - | - |
| | U | % | - | - | - | - | 230,50 | 222,40 | 224,26 | 219,60 | 222,72 | 209,06 | 224,67 | 229,28 | - | - | - | - | - | - |
| Water Regulation (1) | °A | type | - | - | - | - | VW/FO |
| | E | type | - | - | - | - | VW/FO |
| | L | type | - | - | - | - | VW/FO | - | - |
| | N | type | - | - | - | - | VW/FO | - | - | - | - | - | - |
| | U | type | - | - | - | - | VW/FO | - | - | - | - | - | - |
| SEPR - (EN 14825: 2018) | | | | | | | | | | | | | | | | | | | | |
| SEPR | ° | W/W | - | - | - | - | 5,78 | 5,60 | 6,35 | 5,79 | 6,38 | 5,73 | 6,34 | 5,66 | 6,07 | 6,34 | 5,81 | 6,03 | 5,78 | 5,94 |
| | A | W/W | - | - | - | - | 6,23 | 5,98 | 6,61 | 5,93 | 6,60 | 6,14 | 6,51 | 5,98 | 6,27 | 6,54 | 6,05 | 6,08 | 5,90 | 5,90 |
| | E | W/W | - | - | - | - | 6,30 | 6,03 | 6,47 | 5,93 | 6,55 | 5,79 | 6,41 | 6,01 | 6,13 | 6,44 | 5,85 | 6,06 | 5,12 | 5,87 |
| | L | W/W | - | - | - | - | 5,86 | 5,68 | 6,35 | 5,73 | 6,47 | 5,69 | 6,47 | 5,64 | 5,95 | 6,28 | 5,72 | 5,92 | - | - |
| | N | W/W | - | - | - | 6,88 | 6,47 | 6,14 | 6,58 | 6,20 | 6,54 | 6,21 | 6,57 | 6,17 | - | - | - | - | - | - |
| | U | W/W | - | - | - | 6,73 | 6,43 | 6,14 | 6,73 | 6,18 | 6,68 | 6,51 | 6,73 | 6,26 | - | - | - | - | - | - |
| Water Regulation (1) | °A,E | type | - | - | - | - | FW/FO |
| | L | type | - | - | - | - | FW/FO | - | - |
| | N | type | - | - | - | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | - | - | - | - | - | |
| | U | type | - | - | - | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | FW/FO | - | - | - | - | - | |

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

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|-------------------------------------|------|------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fans: ° | | | | | | | | | | | | | | | | | | | |
| SEER - 12/7 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | |
| SEER | °A,U | W/W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | W/W | 4,58 | 4,42 | 4,58 | 4,54 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | W/W | 4,34 | 4,30 | 4,49 | 4,42 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | W/W | 4,76 | 4,70 | 4,72 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Seasonal efficiency | °A,U | % | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | % | 180,04 | 173,96 | 180,20 | 178,61 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | % | 170,63 | 168,89 | 176,76 | 173,83 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | % | 187,42 | 185,10 | 185,95 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Water Regulation (1) | °A,U | type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | type | VW/VO | VW/VO | VW/VO | VW/VO | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | type | VW/VO | VW/VO | VW/VO | VW/VO | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SEER - 23/18 (EN14825: 2018) | | | | | | | | | | | | | | | | | | | |
| SEER | °A,U | W/W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | W/W | 5,62 | 5,42 | 5,67 | 5,58 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | W/W | 5,23 | 5,17 | 5,49 | 5,39 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | W/W | 5,89 | 5,81 | 5,89 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Seasonal efficiency | °A,U | % | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | % | 221,79 | 213,89 | 223,75 | 220,25 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | % | 206,11 | 203,93 | 216,56 | 212,70 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | % | 232,74 | 229,25 | 232,71 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Water Regulation (1) | °A,U | type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | type | VW/FO | VW/FO | VW/FO | VW/FO | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | type | VW/FO | VW/FO | VW/FO | VW/FO | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SEPR - (EN 14825: 2018) | | | | | | | | | | | | | | | | | | | |
| SEPR | °A,U | W/W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | W/W | 6,66 | 6,39 | 6,59 | 6,52 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | W/W | 6,34 | 6,26 | 6,43 | 6,30 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | W/W | 6,87 | 6,70 | 6,81 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Water Regulation (1) | °A,U | type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | type | FW/FO | FW/FO | FW/FO | FW/FO | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | type | FW/FO | FW/FO | FW/FO | FW/FO | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

ELECTRIC DATA

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | | |
|---------------|-----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Electric data | ° | A | - | - | - | 73,5 | 79,1 | 80,5 | 88,3 | 97,2 | 97,4 | 113,5 | 111,5 | 122,6 | 132,7 | 139,4 | 144,0 | 156,1 | 155,3 | | |
| | A | A | - | - | - | 73,5 | 79,1 | 80,5 | 88,3 | 97,2 | 97,4 | 116,4 | 111,5 | 122,6 | 132,7 | 139,4 | 144,0 | 156,1 | 155,3 | | |
| | Maximum current (FLA) | E | A | 41,6 | 49,9 | 59,5 | 67,6 | 73,5 | 79,1 | 80,5 | 88,3 | 97,2 | 97,4 | 116,4 | 111,5 | 122,6 | 132,7 | 139,4 | 144,0 | 156,1 | 155,3 |
| | | L | A | 40,2 | 49,9 | 58,1 | 67,6 | 73,5 | 79,1 | 80,5 | 88,3 | 97,2 | 97,4 | 113,5 | 111,5 | 122,6 | 132,7 | 139,4 | 144,0 | - | - |
| | | N | A | 41,6 | 49,9 | 59,5 | 67,8 | 73,5 | 79,1 | 83,4 | 91,2 | 100,1 | 100,3 | 116,4 | 111,5 | 125,6 | 135,7 | 142,4 | 147,0 | 159,1 | 158,3 |
| | | U | A | - | - | - | 67,8 | 73,5 | 79,1 | 83,4 | 91,2 | 100,1 | 100,3 | 116,4 | 111,5 | 125,6 | 135,7 | 142,4 | 147,0 | 159,1 | 158,3 |
| | | ° | A | - | - | - | - | 276,8 | 282,5 | 200,8 | 329,5 | 221,3 | 338,6 | 268,5 | 396,5 | 407,7 | 287,7 | 601,7 | 347,4 | 618,4 | 358,7 |
| | Peak current (LRA) | A | A | - | - | - | 276,8 | 282,5 | 200,8 | 329,5 | 221,3 | 338,6 | 271,4 | 396,5 | 407,7 | 287,7 | 601,7 | 347,4 | 618,4 | 358,7 | |
| | | E | A | 161,9 | 174,0 | 214,4 | 222,6 | 276,8 | 282,5 | 200,8 | 329,5 | 221,3 | 338,6 | 271,4 | 396,5 | 407,7 | 287,7 | 601,7 | 347,4 | 618,4 | 358,7 |
| | | L | A | 160,5 | 174,0 | 213,0 | 222,6 | 276,8 | 282,5 | 200,8 | 329,5 | 221,3 | 338,6 | 268,5 | 396,5 | 407,7 | 287,7 | 601,7 | 347,4 | - | - |
| N | | A | 161,9 | 174,0 | 214,4 | 222,8 | 276,8 | 282,5 | 203,7 | 332,4 | 224,2 | 341,5 | 271,4 | 396,5 | 410,7 | 290,7 | 604,7 | 350,4 | 621,4 | 361,7 | |
| U | | A | - | - | - | 222,8 | 276,8 | 282,5 | 203,7 | 332,4 | 224,2 | 341,5 | 271,4 | 396,5 | 410,7 | 290,7 | 604,7 | 350,4 | 621,4 | 361,7 | |

■ Data calculated without hydronic kit and accessories.

GENERAL TECHNICAL DATA

Refrigerant circuit

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|--------------------------------|-----|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fans: J | | | | | | | | | | | | | | | | | | | | |
| Compressor | | | | | | | | | | | | | | | | | | | | |
| Type | °A | type | - | - | - | Scroll | |
| | E,N | type | Scroll | |
| | L | type | Scroll | - | - |
| | U | type | - | - | - | Scroll |
| Compressor regulation | °A | type | - | - | - | On/Off | |
| | E,N | type | On/Off | |
| | L | type | On/Off | - | - |
| | U | type | - | - | - | On/Off |
| Number | °A | no. | - | - | - | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | |
| | E,N | no. | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | |
| | L | no. | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | - | - | |
| | U | no. | - | - | - | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | |
| Circuits | °A | no. | - | - | - | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | |
| | E,N | no. | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | |
| | L | no. | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | - | - | |
| | U | no. | - | - | - | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | |
| Refrigerant | °A | type | - | - | - | R32 | |
| | E,N | type | R32 | |
| | L | type | R32 | - | |
| | U | type | - | - | - | R32 | |
| Total refrigerant charge (l) | ° | kg | - | - | - | 8,50 | 8,50 | 11,80 | 10,90 | 12,70 | 10,90 | 14,80 | 12,20 | 14,70 | 14,00 | 16,20 | 15,00 | 16,20 | 14,80 | |
| | A | kg | - | - | - | 10,88 | 10,88 | 13,74 | 13,00 | 13,80 | 13,30 | 13,80 | 16,00 | 18,50 | 16,02 | 19,00 | 18,60 | 19,00 | 18,60 | |
| | E | kg | 6,20 | 7,70 | 8,20 | 9,70 | 10,88 | 10,88 | 13,74 | 13,00 | 13,80 | 13,30 | 13,80 | 16,00 | 18,50 | 16,02 | 19,00 | 18,60 | 19,00 | 18,60 |
| | L | kg | 5,90 | 5,90 | 7,70 | 6,80 | 8,50 | 8,50 | 11,80 | 10,90 | 12,70 | 10,90 | 14,80 | 12,20 | 14,70 | 14,00 | 16,20 | 15,00 | - | - |
| | N | kg | 8,50 | 8,50 | 10,11 | 11,14 | 12,75 | 12,84 | 20,20 | 13,30 | 20,20 | 17,00 | 20,20 | 19,00 | 19,00 | 21,00 | 19,00 | 21,00 | 19,00 | 21,00 |
| | U | kg | - | - | - | 11,14 | 12,75 | 12,84 | 20,20 | 13,30 | 20,20 | 17,00 | 20,20 | 19,00 | 19,00 | 21,00 | 19,00 | 21,00 | 19,00 | 21,00 |
| Potential global heating (GWP) | °A | - | - | - | - | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | |
| | E,N | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | |
| | L | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | - | - | |
| | U | - | - | - | - | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | |
| Equivalent CO ₂ | ° | tCO ₂ eq | - | - | - | 5,74 | 5,74 | 7,97 | 7,36 | 8,57 | 7,36 | 9,99 | 8,24 | 9,92 | 9,45 | 10,94 | 10,13 | 10,94 | 9,99 | |
| | A | tCO ₂ eq | - | - | - | 7,34 | 7,34 | 9,27 | 8,78 | 9,32 | 8,98 | 9,32 | 10,80 | 12,49 | 10,81 | 12,83 | 12,56 | 12,83 | 12,56 | |
| | E | tCO ₂ eq | 4,19 | 5,20 | 5,54 | 6,55 | 7,34 | 7,34 | 9,27 | 8,78 | 9,32 | 8,98 | 9,32 | 10,80 | 12,49 | 10,81 | 12,83 | 12,56 | 12,83 | |
| | L | tCO ₂ eq | 3,98 | 3,98 | 5,20 | 4,59 | 5,74 | 5,74 | 7,97 | 7,36 | 8,57 | 7,36 | 9,99 | 8,24 | 9,92 | 9,45 | 10,94 | 10,13 | - | |
| | N | tCO ₂ eq | 5,74 | 5,74 | 6,82 | 7,52 | 8,61 | 8,67 | 13,64 | 8,98 | 13,64 | 11,48 | 13,64 | 12,83 | 12,83 | 14,18 | 12,83 | 14,18 | 12,83 | |
| | U | tCO ₂ eq | - | - | - | 7,52 | 8,61 | 8,67 | 13,64 | 8,98 | 13,64 | 11,48 | 13,64 | 12,83 | 12,83 | 14,18 | 12,83 | 14,18 | 12,83 | |

(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.

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|-----------------------|------|------|--------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fans: M | | | | | | | | | | | | | | | | | | | |
| Compressor | | | | | | | | | | | | | | | | | | | |
| Type | °A,E | type | - | - | - | Scroll |
| | L | type | - | - | - | Scroll | - |
| | N,U | type | - | - | - | - | Scroll | - | - | - | - | - |
| Compressor regulation | °A | type | - | - | - | On/Off |
| | E | type | On/Off | - | - | On/Off |
| | L | type | On/Off | - | - | On/Off | - |
| | N,U | type | - | - | - | On/Off | - | - | - | - | - |

(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.

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--------------------------------|-------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Number | °A,E no. | - | - | - | - | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | 2 | 4 |
| | L no. | - | - | - | - | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | - | - |
| | N,U no. | - | - | - | - | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | - | - | - | - | - | - |
| Circuits | °A,E no. | - | - | - | - | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 |
| | L no. | - | - | - | - | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | - | - |
| | N,U no. | - | - | - | - | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | - | - | - | - | - | - |
| Refrigerant | °A,E type | - | - | - | - | R32 |
| | L type | - | - | - | - | R32 | - | - |
| | N,U type | - | - | - | - | R32 | - | - | - | - | - | - |
| Total refrigerant charge (1) | ° kg | - | - | - | - | 8,50 | 8,50 | 11,80 | 10,90 | 12,70 | 10,90 | 14,80 | 12,20 | 14,70 | 14,00 | 16,20 | 15,00 | 16,20 | 14,80 |
| | A,E kg | - | - | - | - | 10,88 | 10,88 | 13,74 | 13,00 | 13,80 | 13,30 | 13,80 | 16,00 | 18,50 | 16,02 | 19,00 | 18,60 | 19,00 | 18,60 |
| | L kg | - | - | - | - | 8,50 | 8,50 | 11,80 | 10,90 | 12,70 | 10,90 | 14,80 | 12,20 | 14,70 | 14,00 | 16,20 | 15,00 | - | - |
| Potential global heating (GWP) | N,U kg | - | - | - | - | 12,75 | 12,84 | 20,20 | 13,30 | 20,20 | 17,00 | 20,20 | 19,00 | - | - | - | - | - | - |
| | °A,E | - | - | - | - | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 |
| | L | - | - | - | - | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | - | - |
| Equivalent CO ₂ | N,U | - | - | - | - | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | - | - | - | - | - | - |
| | ° tCO ₂ eq | - | - | - | - | 5,74 | 5,74 | 7,97 | 7,36 | 8,57 | 7,36 | 9,99 | 8,24 | 9,92 | 9,45 | 10,94 | 10,13 | 10,94 | 9,99 |
| | A,E tCO ₂ eq | - | - | - | - | 7,34 | 7,34 | 9,27 | 8,78 | 9,32 | 8,98 | 9,32 | 10,80 | 12,49 | 10,81 | 12,83 | 12,56 | 12,83 | 12,56 |
| Equivalent CO ₂ | L tCO ₂ eq | - | - | - | - | 5,74 | 5,74 | 7,97 | 7,36 | 8,57 | 7,36 | 9,99 | 8,24 | 9,92 | 9,45 | 10,94 | 10,13 | - | - |
| | N,U tCO ₂ eq | - | - | - | - | 8,61 | 8,67 | 13,64 | 8,98 | 13,64 | 11,48 | 13,64 | 12,83 | - | - | - | - | - | - |

(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.

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--------------------------------|--------------------------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fans: ° | | | | | | | | | | | | | | | | | | | |
| Compressor | | | | | | | | | | | | | | | | | | | |
| Type | °A,U type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L type | Scroll | Scroll | Scroll | Scroll | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N type | Scroll | Scroll | Scroll | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Compressor regulation | °A,U type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L type | On/Off | On/Off | On/Off | On/Off | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N type | On/Off | On/Off | On/Off | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Number | °A,U no. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L no. | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N no. | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Circuits | °A,U no. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L no. | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N no. | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Refrigerant | °A,U type | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L type | R32 | R32 | R32 | R32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N type | R32 | R32 | R32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total refrigerant charge (1) | °A,U kg | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E kg | 6,20 | 7,70 | 8,20 | 9,70 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L kg | 5,90 | 5,90 | 7,70 | 6,80 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Potential global heating (GWP) | N kg | 8,50 | 8,50 | 10,11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | °A,U | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E,L | 675 | 675 | 675 | 675 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Equivalent CO ₂ | N | 675 | 675 | 675 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | °A,U tCO ₂ eq | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E tCO ₂ eq | 4,19 | 5,20 | 5,54 | 6,55 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Equivalent CO ₂ | L tCO ₂ eq | 3,98 | 3,98 | 5,20 | 4,59 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N tCO ₂ eq | 5,74 | 5,74 | 6,82 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

System side heat exchanger

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|-----------------------------------|----------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|---|
| System side heat exchanger | | | | | | | | | | | | | | | | | | | | |
| Type | °A,E,N,U type | Braze plate | | | | | | | | | | | | | | | | | | |
| | L type | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | Braze plate | - | - |
| | Number | °A,E,N,U no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| System side hydraulic connections | L no. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - |
| | °A,E,N,U Ø | 2" 1/2 | | | | | | | | | | | | | | | | | | |
| | Sizes (in/out) | L Ø | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | 2" 1/2 | - | - |

Fans

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|---|---|
| Fans: | | | | | | | | | | | | | | | | | | | | | |
| Fan | | | | | | | | | | | | | | | | | | | | | |
| Type | °A,E,N,U | Axial | | | | | | | | | | | | | | | | | | | |
| | L type | Axial | - | - | |
| Number | ° | no. | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | A | no. | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | E | no. | 6 | 6 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | L | no. | 4 | 6 | 6 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - | - |
| | N | no. | 6 | 6 | 8 | 8 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | U | no. | - | - | - | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|--|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fans: J | | | | | | | | | | | | | | | | | | | | |
| Inverter fan | | | | | | | | | | | | | | | | | | | | |
| Air flow rate | ° | m³/h | - | - | - | 36600 | 36600 | 35100 | 35100 | 35100 | 35100 | 33700 | 55200 | 53100 | 53100 | 53100 | 53100 | 53100 | 53100 | 53100 |
| | A | m³/h | - | - | - | 35100 | 35100 | 33800 | 33800 | 33800 | 33700 | 53100 | 53100 | 51100 | 51100 | 51100 | 51100 | 51100 | 51100 | 51100 |
| | E | m³/h | 20700 | 22200 | 27500 | 24800 | 26800 | 26800 | 25600 | 25600 | 25600 | 40500 | 40500 | 38800 | 38800 | 38800 | 38800 | 38800 | 38800 | 38800 |
| | L | m³/h | 15200 | 20700 | 22200 | 27500 | 30900 | 30900 | 29500 | 29500 | 29500 | 28300 | 46500 | 44600 | 44600 | 44600 | 44600 | 44600 | - | - |
| | N | m³/h | 22200 | 27500 | 24800 | 26800 | 25600 | 25600 | 40500 | 40500 | 40500 | 38800 | 38800 | 52317 | 52324 | 52317 | 52324 | 52317 | 52324 | 52317 |
| | U | m³/h | - | - | - | 35100 | 33700 | 33700 | 53100 | 53100 | 53100 | 51100 | 51100 | 66361 | 66361 | 66361 | 66361 | 66361 | 66361 | 66361 |
| Sound data calculated in cooling mode (1) | | | | | | | | | | | | | | | | | | | | |
| Sound power level | ° | dB(A) | - | - | - | 85,1 | 85,6 | 84,2 | 85,9 | 84,8 | 86,1 | 84,9 | 87,5 | 87,6 | 86,5 | 88,3 | 88,1 | 90,1 | 89,4 | |
| | A | dB(A) | - | - | - | 85,1 | 85,6 | 84,2 | 85,9 | 84,8 | 86,1 | 86,5 | 87,5 | 87,6 | 86,5 | 88,3 | 88,1 | 90,1 | 89,4 | |
| | E | dB(A) | 73,0 | 73,5 | 74,3 | 74,5 | 81,3 | 82,1 | 76,1 | 82,7 | 76,7 | 83,1 | 77,8 | 84,2 | 84,4 | 78,0 | 85,6 | 83,6 | 87,3 | 86,7 |
| | L | dB(A) | 72,4 | 73,5 | 73,9 | 74,5 | 81,3 | 82,1 | 76,1 | 82,7 | 76,7 | 83,1 | 77,1 | 84,2 | 84,4 | 78,0 | 85,6 | 84,1 | - | - |
| | N | dB(A) | 73,0 | 73,9 | 74,3 | 80,3 | 81,3 | 82,1 | 76,9 | 83,6 | 77,5 | 84,0 | 77,8 | 84,2 | 89,3 | 87,4 | 89,7 | 88,5 | 90,1 | 89,8 |
| | U | dB(A) | - | - | - | 84,6 | 85,1 | 85,6 | 85,8 | 87,2 | 86,4 | 87,4 | 86,5 | 87,5 | 92,3 | 91,1 | 92,5 | 91,7 | 92,7 | 92,3 |

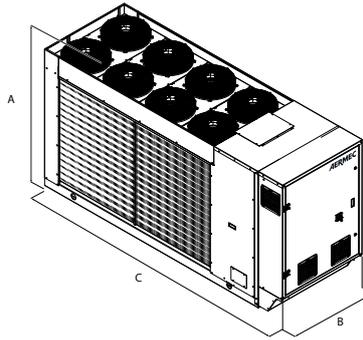
(1) Sound power: calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure measured in free field (in compliance with UNI EN ISO 3744).

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--------------------------------|---|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fans: M | | | | | | | | | | | | | | | | | | | |
| Without Static pressure | | | | | | | | | | | | | | | | | | | |
| Air flow rate | ° | m³/h | - | - | - | 40400 | 40400 | 40400 | 40400 | 40400 | 40400 | 40400 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 |
| | A | m³/h | - | - | - | 40400 | 40400 | 40400 | 40400 | 40400 | 40400 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 |
| | E | m³/h | - | - | - | 26625 | 26625 | 25488 | 25497 | 25488 | 25497 | 40270 | 40267 | 38638 | 38640 | 38638 | 38640 | 38638 | 38640 |
| | L | m³/h | - | - | - | 30672 | 30672 | 29318 | 29318 | 29318 | 29318 | 28069 | 46243 | 44312 | 44307 | 44312 | 44307 | - | - |
| | N | m³/h | - | - | - | 26623 | 25495 | 25495 | 40269 | 40274 | 40269 | 40274 | 38640 | 38634 | - | - | - | - | - |
| | U | m³/h | - | - | - | 40400 | 40400 | 40400 | 60600 | 60600 | 60600 | 60600 | 60600 | 60600 | - | - | - | - | - |
| Sound power level | ° | dB(A) | - | - | - | 86,8 | 87,1 | 86,2 | 87,3 | 86,6 | 87,5 | 86,7 | 89,0 | 89,1 | 88,3 | 89,6 | 89,5 | 91,0 | 90,4 |
| | A | dB(A) | - | - | - | 86,8 | 87,1 | 86,2 | 87,3 | 86,6 | 87,5 | 88,3 | 89,0 | 89,1 | 88,3 | 89,6 | 89,5 | 91,0 | 90,4 |
| | E | dB(A) | - | - | - | 81,3 | 82,1 | 76,1 | 82,7 | 76,7 | 83,1 | 77,8 | 84,2 | 84,4 | 78,0 | 85,6 | 83,6 | 87,3 | 86,7 |
| | L | dB(A) | - | - | - | 81,3 | 82,1 | 76,1 | 82,7 | 76,7 | 83,1 | 77,1 | 84,2 | 84,4 | 78,0 | 85,6 | 84,1 | - | - |
| | N | dB(A) | - | - | - | 80,3 | 81,3 | 82,1 | 76,9 | 83,6 | 77,5 | 84,0 | 77,8 | 84,2 | - | - | - | - | - |
| | U | dB(A) | - | - | - | 86,5 | 86,8 | 87,1 | 88,4 | 88,8 | 88,3 | 88,9 | 88,3 | 89,0 | - | - | - | - | - |

| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 |
|--|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fans: ° | | | | | | | | | | | | | | | | | | | |
| Fan | | | | | | | | | | | | | | | | | | | |
| Air flow rate | °A,U | m³/h | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | m³/h | 20469 | 20469 | 27112 | 24667 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | m³/h | 15291 | 20474 | 22212 | 27150 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | m³/h | 22189 | 22189 | 24655 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sound data calculated in cooling mode (1) | | | | | | | | | | | | | | | | | | | |
| Sound power level | °A,U | dB(A) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | E | dB(A) | 73,0 | 73,5 | 74,3 | 74,5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | L | dB(A) | 72,4 | 73,5 | 73,9 | 74,5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N | dB(A) | 73,0 | 73,9 | 74,3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

(1) Sound power: calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure measured in free field (in compliance with UNI EN ISO 3744).

DIMENSIONS



| Size | | 0282 | 0302 | 0332 | 0352 | 0502 | 0552 | 0554 | 0602 | 0604 | 0652 | 0654 | 0682 | 0702 | 0704 | 0752 | 0754 | 0802 | 0804 | |
|-------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Dimensions and weights | | | | | | | | | | | | | | | | | | | | |
| A | ° | mm | - | - | - | - | 1907 | 1907 | 1907 | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| | A | mm | - | - | - | - | 1907 | 1907 | 1907 | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| | E | mm | 1652 | 1658 | 1658 | 1658 | 1907 | 1907 | 1907 | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| | L | mm | 1652 | 1652 | 1658 | 1658 | 1907 | 1907 | 1907 | 1907 | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | - | - |
| | N | mm | 1658 | 1658 | 1658 | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| | U | mm | - | - | - | 1907 | 1907 | 1907 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| B | °A | mm | - | - | - | - | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | |
| | E,N | mm | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | |
| | L | mm | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | - | - |
| | U | mm | - | - | - | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | |
| C | ° | mm | - | - | - | - | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | |
| | A | mm | - | - | - | - | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | |
| | E | mm | 2818 | 3317 | 3317 | 3317 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | |
| | L | mm | 2818 | 2818 | 3317 | 3317 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | - | - |
| | N | mm | 3317 | 3317 | 3317 | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 |
| | U | mm | - | - | - | 3567 | 3567 | 3567 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | 4368 | |

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