

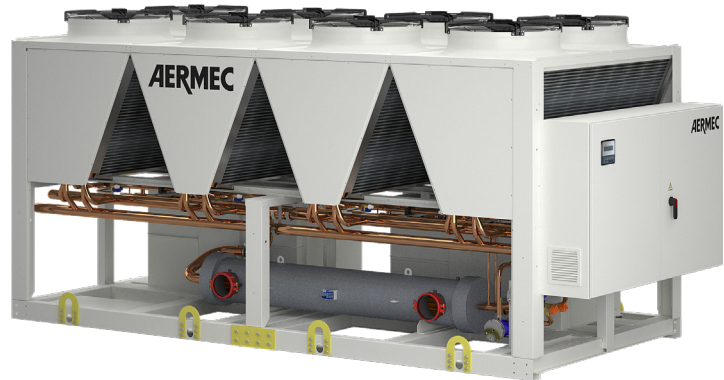
# NSM 1402-9603 B

## Air-cooled chiller with free cooling (glycol-free)

Cooling capacity 305,8 ÷ 2028,1 kW



- Microchannel coil
- Night mode
- Operation up to 50 °C outdoor air
- High efficiency also at partial loads



### DESCRIPTION

Air-cooled outdoor chiller designed to meet air conditioning needs in residential/commercial complexes or industrial applications. These are outdoor units with screw compressors, axial fans, micro-channel coils, and shell and tube heat exchangers. 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
- N** Silenced very high efficiency
- U** Very high efficiency

### FEATURES

#### Operating field

Operation at full load up to 50 °C external air temperature depending on the size and version. For more information refer to the dedicated documents or the selection program Magellano.

#### 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.

#### 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.

#### Aluminium microchannel coils

The whole range uses microchannel condenser coils allowing reduction of refrigerant charge but keeping the same high efficiency.

#### Free-cooling water coils

These units also have a water coil dedicated to free-cooling mode. Free-cooling offers significant energy saving in applications that require cooling all year round. As soon as the outside air temperature allows, a valve makes the water flow towards the free-cooling battery which is cooled directly by the air. The

compressors are completely shut down, if possible, leading to considerable electrical savings.

#### Free cooling with glycol water

Intermediate plate heat exchanger that creates two circuits:

1. Glycol hydraulic circuit (glycol is added to protect the coil from freezing).
2. Primary hydraulic circuit for glycol-free systems.

#### Electronic expansion valve

**Electronic thermostatic as standard from size 5202 to 6402 and from 8403 to 9603.**

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

### CONTROL

**Units include 1 control board for each compressor.**

Microprocessor adjustment, with keyboard and LCD display, for easy access on the unit is 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.
- **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 1402 to 6402)

### 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.

**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.

**PRV3:** Allows you to control the chiller at a distance.

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

## FACTORY FITTED ACCESSORIES

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

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

**KRS:** Electric heater for the heat exchanger

**AK:** Acoustic kit that lowers the noise level even further, thanks to the special coating on the panelling or on those components that produce the most noise in the unit. Available for the low noise version only.

**KDI:** Double thickness evaporator insulation. Provides stand-still protection down to -20°C. Must be ordered in conjunction with options KRS.

## ACCESSORIES COMPATIBILITY

| Model            | Ver     | 1402 | 1602 | 1802 | 2002 | 2202 | 2352 | 2502 | 2652 | 2802 | 3002 | 3202 | 3402 | 3602 | 3902 |
|------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AER485P1 x no. 2 | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERBACP          | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERNET           | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| MULTICHILLER-EVO | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| PRV3             | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

| Model            | Ver     | 4202 | 4502 | 4802 | 5202 | 5602 | 6002 | 6402 | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |
|------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AER485P1 x no. 2 | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AER485P1 x no. 3 | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERBACP          | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| AERNET           | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| MULTICHILLER-EVO | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| PRV3             | A,E,N,U | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

## Antivibration

| Ver  | 1402   | 1602   | 1802   | 2002   | 2202   | 2352   | 2502   | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| A    | AVX929 | AVX929 | AVX929 | AVX933 | AVX933 | AVX933 | AVX933 | AVX934 | AVX937 | AVX937 | AVX937 | AVX938 | AVX938 | AVX942 |
| E, U | AVX929 | AVX929 | AVX930 | AVX933 | AVX933 | AVX934 | AVX934 | AVX935 | AVX935 | AVX935 | AVX935 | AVX939 | AVX939 | AVX940 |
| N    | AVX930 | AVX930 | AVX931 | AVX931 | AVX934 | AVX935 | AVX935 | AVX936 | AVX936 | AVX936 | AVX936 | AVX940 | AVX941 | AVX943 |

| Ver  | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403   | 9603   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| A    | AVX942 | AVX944 | AVX944 | AVX944 | AVX945 | AVX947 | AVX947 | AVX953 | AVX953 | AVX957 | AVX954 | AVX956 | AVX955 |
| E, U | AVX941 | AVX945 | AVX947 | AVX947 | AVX950 | AVX952 | AVX948 | AVX954 | AVX956 | AVX956 | AVX958 | -      | -      |
| N    | AVX943 | AVX946 | AVX948 | AVX949 | AVX951 | AVX951 | AVX951 | AVX955 | -      | -      | -      | -      | -      |

The accessory cannot be fitted on the configurations indicated with -

## Power factor correction

| Ver | 1402        | 1602        | 1802        | 2002        | 2202        | 2352        | 2502        | 2652        | 2802        |
|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A   | RIFNSM1402Q | RIFNSM1602Q | RIFNSM1802Q | RIFNSM2002Q | RIFNSM2202Q | RIFNSM2352Q | RIFNSM2502Q | RIFNSM2652Q | RIFNSM2802C |
| E   | RIFNSM1402Q | RIFNSM1602Q | RIFNSM1802Q | RIFNSM2002Q | RIFNSM2202Q | RIFNSM2352C | RIFNSM2502C | RIFNSM2652Q | RIFNSM2802C |
| N   | RIFNSM1402Q | RIFNSM1602Q | RIFNSM1802C | RIFNSM2002Q | RIFNSM2202C | RIFNSM2352C | RIFNSM2502C | RIFNSM2652Q | RIFNSM2802C |
| U   | RIFNSM1402Q | RIFNSM1602Q | RIFNSM1802Q | RIFNSM2002C | RIFNSM2202Q | RIFNSM2352C | RIFNSM2502C | RIFNSM2652Q | RIFNSM2802C |

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

| Ver     | 3002        | 3202        | 3402        | 3602        | 3902        | 4202        | 4502        | 4802        | 5202        |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A, E, U | RIFNSM3002C | RIFNSM3202C | RIFNSM3402C | RIFNSM3602C | RIFNSM3902C | RIFNSM4202C | RIFNSM4502C | RIFNSM4802C | RIFNSM5202C |
| N       | RIFNSM3002C | RIFNSM3202C | RIFNSM3402C | RIFNSM3602C | RIFNSM3902C | RIFNSM4202C | -           | -           | -           |

The accessory cannot be fitted on the configurations indicated with -

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

| Ver | 5602        | 6002        | 6402        | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |
|-----|-------------|-------------|-------------|------|------|------|------|------|------|
| A   | RIFNSM5602C | RIFNSM6002C | RIFNSM6402C | -    | -    | -    | -    | -    | -    |

The accessory cannot be fitted on the configurations indicated with -

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

## Anti-intrusion grid

| Ver  | 1402 | 1602 | 1802 | 2002 | 2202 | 2352 | 2502 | 2652 | 2802 | 3002 | 3202 | 3402 | 3602  | 3902  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| A    | GP4V | GP4V | GP4V | GP4V | GP5V | GP5V | GP5V | GP6V | GP6V | GP6V | GP6V | GP7V | GP7V  | GP8V  |
| E, U | GP4V | GP4V | GP5V | GP5V | GP5V | GP6V | GP6V | GP7V | GP7V | GP7V | GP7V | GP8V | GP8V  | GP9V  |
| N    | GP5V | GP5V | GP6V | GP6V | GP6V | GP7V | GP7V | GP8V | GP8V | GP8V | GP8V | GP9V | GP10V | GP11V |

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

| Ver  | 4202  | 4502      | 4802      | 5202      | 5602      | 6002      | 6402      | 6503       | 6703       | 6903       | 7203       | 8403       | 9603       |
|------|-------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| A    | GP8V  | GP9V      | GP9V      | GP9V      | GP10V     | GP11V     | GP11V     | GP4V+GP8V  | GP4V+GP8V  | GP5V+GP9V  | GP5V+GP9V  | GP5V+GP10V | GP6V+GP11V |
| E, U | GP10V | GP10V     | GP11V     | GP11V     | GP6V+GP6V | GP6V+GP7V | GP7V+GP7V | GP5V+GP9V  | GP5V+GP10V | GP5V+GP10V | GP6V+GP11V | -          | -          |
| N    | GP11V | GP6V+GP7V | GP7V+GP7V | GP7V+GP8V | GP8V+GP8V | GP8V+GP8V | GP8V+GP8V | GP6V+GP11V | -          | -          | -          | -          | -          |

The accessory cannot be fitted on the configurations indicated with -

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

## Heater exchangers

| Ver     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652  | 2802  |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A       | KRS22 | KRS22 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 |
| E, N, U | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 | KRS23 |

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

| Ver     | 3002  | 3202  | 3402  | 3602  | 3902  | 4202  | 4502        | 4802        | 5202        |
|---------|-------|-------|-------|-------|-------|-------|-------------|-------------|-------------|
| A, E, U | KRS23 | KRS23 | KRS24 | KRS24 | KRS24 | KRS24 | KRS24       | KRS24       | KRS24       |
| N       | KRS23 | KRS23 | KRS24 | KRS24 | KRS24 | KRS24 | KRS23+KRS23 | KRS23+KRS23 | KRS23+KRS23 |

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

| Ver  | 5602        | 6002        | 6402        | 6503        | 6703        | 6903        | 7203        | 8403        | 9603        |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A    | KRS24       | KRS24       | KRS24       | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 |
| E, U | KRS23+KRS23 | KRS23+KRS23 | KRS23+KRS23 | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 | KRS23+KRS24 | -           | -           |
| N    | KRS23+KRS23 | KRS23+KRS23 | KRS23+KRS23 | KRS23+KRS24 | -           | -           | -           | -           | -           |

The accessory cannot be fitted on the configurations indicated with -

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

#### Acoustic kit

| Ver  | 1402   | 1602   | 1802   | 2002   | 2202   | 2352   | 2502   | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E, N | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) |

(1) Available only in low noise version

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

| Ver  | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403   | 9603   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E, N | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) | AK (1) |

(1) Available only in low noise version

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

#### Double thickness evaporator insulation

| Ver        | 1402    | 1602    | 1802    | 2002    | 2202    | 2352    | 2502    | 2652    | 2802    | 3002    | 3202    | 3402    | 3602    | 3902    |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| A, E, N, U | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) |

(1) Contact us.

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

| Ver        | 4202    | 4502    | 4802    | 5202    | 5602    | 6002    | 6402    | 6503    | 6703    | 6903    | 7203    | 8403    | 9603    |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| A, E, N, U | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) | KDI (1) |

(1) Contact us.

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

## CONFIGURATOR

| Field   | Description   |
|---------|---|
| 1,2,3   | <b>NSM</b>  |
| 4,5,6,7 | <b>Size</b><br>1402, 1602, 1802, 2002, 2202, 2352, 2502, 2652, 2802, 3002, 3202, 3402, 3602, 3902, 4202, 4502, 4802, 5202, 5602, 6002, 6402, 6503, 6703, 6903, 7203, 8403, 9603 |
| 8       | <b>Operating field</b>  |
|         | ° Standard mechanic thermostatic valve (1)  |
|         | X Electronic thermostatic expansion valve (2)   |
|         | Y Low temperature mechanic thermostatic valve (3)   |
|         | Z Low temperature electronic thermostatic valve (3)   |
| 9       | <b>Model</b>  |
|         | B Free-cooling glycol free  |
|         | G Free-cooling glycol free plus (4)   |
| 10      | <b>Heat recovery</b>  |
|         | ° Without heat recovery   |
| 11      | <b>Version</b>  |
|         | A High efficiency   |
|         | E Silenced high efficiency  |
|         | N Silenced very high efficiency   |
|         | U Very high efficiency  |

| Field | Description   |
|-------|---|
| 12    | <b>Coils / free-cooling coils</b>                           |
|       | ° Alluminium microchannel / Copper - aluminium              |
|       | O Painted aluminium microchannel / Copper painted aluminium |
|       | R Copper-copper/Copper-copper                               |
|       | S Copper-Tinned copper / Copper -Tinned copper              |
|       | V Copper-painted aluminium / Copper-painted aluminium       |
| 13    | <b>Fans</b>   |
|       | ° Standard  |
|       | J Inverter  |
| 14    | <b>Power supply</b>   |
|       | ° 400V ~ 3 50Hz with fuses                                  |
|       | 2 230V ~ 3 50Hz with fuses (5)                              |
|       | 4 230V ~ 3 50Hz with magnet circuit breakers (5)            |
|       | 8 400V ~ 3 50Hz with magnet circuit breakers                |
| 15,16 | <b>Integrated hydronic kit</b>                              |
|       | 00 Without hydronic kit                                     |

(1) Water produced up to +4 °C.

(2) Water produced up to +4 °C

(3) Water produced from +4 °C ÷ -6 °C

(4) The Free cooling Plus "G" models are only compatible with "" and "O" coils.

(5) Available only for size from 1402 to 2202

## PERFORMANCE SPECIFICATIONS

### NSM - A

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: B</b>   |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 306,5 | 350,2 | 396,8 | 450,5 | 505,3 | 522,5 | 556,5 | 600,8  | 649,8  | 678,4  | 726,3  | 813,3  | 872,8  | 954,1  |
| Input power   | kW  | 102,8 | 117,6 | 136,7 | 158,3 | 168,9 | 180,5 | 194,5 | 203,0  | 220,4  | 235,0  | 252,8  | 269,7  | 295,6  | 317,9  |
| Cooling total input current                                   | A   | 182,0 | 206,0 | 231,0 | 268,0 | 291,0 | 311,0 | 335,0 | 351,0  | 378,0  | 400,0  | 427,0  | 451,0  | 487,0  | 530,0  |
| EER   | W/W | 2,98  | 2,98  | 2,90  | 2,85  | 2,99  | 2,90  | 2,86  | 2,96   | 2,95   | 2,89   | 2,87   | 3,02   | 2,95   | 3,00   |
| Water flow rate system side                                   | l/h | 52653 | 60163 | 68174 | 77407 | 86812 | 89765 | 95621 | 103224 | 111642 | 116561 | 124785 | 139737 | 149957 | 163932 |
| Pressure drop system side                                     | kPa | 73    | 94    | 100   | 72    | 90    | 96    | 108   | 107    | 117    | 100    | 94     | 81     | 93     | 112    |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 201,2 | 207,2 | 212,6 | 221,0 | 271,8 | 273,9 | 277,4 | 334,0  | 337,2  | 352,7  | 355,8  | 414,1  | 417,7  | 460,7  |
| Input power   | kW  | 18,5  | 18,5  | 18,5  | 18,5  | 24,6  | 24,6  | 24,6  | 32,7   | 32,7   | 32,9   | 32,9   | 38,1   | 38,1   | 42,0   |
| Free cooling total input current                              | A   | 33,0  | 32,0  | 31,0  | 31,0  | 42,0  | 42,0  | 42,0  | 57,0   | 56,0   | 56,0   | 56,0   | 64,0   | 63,0   | 70,0   |
| EER   | W/W | 10,87 | 11,19 | 11,48 | 11,92 | 11,06 | 11,14 | 11,28 | 10,20  | 10,30  | 10,71  | 10,81  | 10,86  | 10,95  | 10,97  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: G</b>   |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 305,8 | 349,3 | 395,0 | 447,3 | 502,1 | 519,1 | 552,6 | 597,2  | 645,4  | 674,3  | 721,9  | 807,8  | 865,0  | 946,8  |
| Input power   | kW  | 103,7 | 118,8 | 138,1 | 160,2 | 170,8 | 182,6 | 197,0 | 205,3  | 223,1  | 238,4  | 257,1  | 273,3  | 299,3  | 321,8  |
| Cooling total input current                                   | A   | 184,0 | 208,0 | 233,0 | 271,0 | 294,0 | 315,0 | 339,0 | 355,0  | 382,0  | 405,0  | 433,0  | 456,0  | 492,0  | 536,0  |
| EER   | W/W | 2,95  | 2,94  | 2,86  | 2,79  | 2,94  | 2,84  | 2,81  | 2,91   | 2,89   | 2,83   | 2,81   | 2,96   | 2,89   | 2,94   |
| Water flow rate system side                                   | l/h | 52546 | 60019 | 67864 | 76853 | 86266 | 89180 | 94948 | 102598 | 110891 | 115859 | 124023 | 138789 | 148609 | 162675 |
| Pressure drop system side                                     | kPa | 48    | 64    | 74    | 62    | 78    | 84    | 95    | 70     | 74     | 81     | 74     | 86     | 98     | 68     |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 213,5 | 220,0 | 226,6 | 237,8 | 288,8 | 291,7 | 294,5 | 353,1  | 360,2  | 374,3  | 378,1  | 439,1  | 443,5  | 495,5  |
| Input power   | kW  | 18,3  | 18,3  | 18,3  | 18,3  | 24,2  | 24,2  | 24,2  | 32,1   | 32,1   | 32,3   | 32,3   | 37,4   | 37,4   | 41,3   |
| Free cooling total input current                              | A   | 32,0  | 32,0  | 31,0  | 31,0  | 42,0  | 42,0  | 42,0  | 55,0   | 55,0   | 55,0   | 54,0   | 62,0   | 61,0   | 69,0   |
| EER   | W/W | 11,68 | 12,03 | 12,39 | 12,99 | 11,92 | 12,04 | 12,16 | 11,00  | 11,22  | 11,59  | 11,71  | 11,74  | 11,86  | 12,00  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

### NSM - A

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403   | 9603   |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| <b>Model: B</b>   |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cooling capacity  | kW  | 996,8  | 1082,3 | 1128,3 | 1167,3 | 1222,8 | 1304,9 | 1346,7 | 1459,2 | 1501,9 | 1659,0 | 1705,0 | 1838,1 | 2028,1 |  |
| Input power   | kW  | 346,1  | 365,7  | 391,9  | 422,5  | 438,9  | 452,7  | 472,4  | 492,1  | 520,2  | 557,2  | 583,3  | 659,0  | 704,1  |  |
| Cooling total input current                                   | A   | 581,0  | 614,0  | 655,0  | 704,0  | 733,0  | 761,0  | 796,0  | 821,0  | 872,0  | 945,0  | 986,0  | 1100,0 | 1198,0 |  |
| EER   | W/W | 2,88   | 2,96   | 2,88   | 2,76   | 2,79   | 2,88   | 2,85   | 2,97   | 2,89   | 2,98   | 2,92   | 2,79   | 2,88   |  |
| Water flow rate system side                                   | l/h | 171269 | 185947 | 193855 | 200561 | 210092 | 224201 | 231379 | 250713 | 258050 | 285029 | 292937 | 315803 | 348457 |  |
| Pressure drop system side                                     | kPa | 122    | 132    | 143    | 116    | 109    | 125    | 133    | 112    | 127    | 132    | 143    | 108    | 135    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cooling capacity  | kW  | 464,4  | 522,4  | 524,0  | 526,5  | 571,2  | 612,5  | 614,9  | 684,4  | 688,1  | 798,8  | 801,4  | 867,6  | 965,2  |  |
| Input power   | kW  | 42,0   | 46,2   | 46,2   | 46,2   | 50,1   | 53,8   | 53,9   | 60,5   | 60,5   | 70,7   | 70,8   | 78,9   | 86,8   |  |
| Free cooling total input current                              | A   | 71,0   | 77,0   | 77,0   | 77,0   | 84,0   | 91,0   | 91,0   | 101,0  | 101,0  | 120,0  | 120,0  | 132,0  | 148,0  |  |
| EER   | W/W | 11,06  | 11,32  | 11,35  | 11,41  | 11,41  | 11,38  | 11,41  | 11,31  | 11,37  | 11,29  | 11,32  | 10,99  | 11,12  |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403   | 9603   |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| <b>Model: G</b>   |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cooling capacity  | kW  | 988,7  | 1074,2 | 1119,1 | 1156,4 | 1212,7 | 1295,2 | 1336,2 | 1447,7 | 1489,6 | 1646,9 | 1691,9 | 1822,8 | 2013,1 |  |
| Input power   | kW  | 350,6  | 370,3  | 397,1  | 428,3  | 444,3  | 458,0  | 478,2  | 498,2  | 527,1  | 564,0  | 590,8  | 667,1  | 712,4  |  |
| Cooling total input current                                   | A   | 588,0  | 621,0  | 663,0  | 713,0  | 741,0  | 769,0  | 805,0  | 830,0  | 882,0  | 956,0  | 998,0  | 1112,0 | 1211,0 |  |
| EER   | W/W | 2,82   | 2,90   | 2,82   | 2,70   | 2,73   | 2,83   | 2,79   | 2,91   | 2,83   | 2,92   | 2,86   | 2,73   | 2,83   |  |
| Water flow rate system side                                   | l/h | 169873 | 184553 | 192278 | 198678 | 208362 | 222522 | 229577 | 248739 | 255937 | 282961 | 290686 | 313186 | 345875 |  |
| Pressure drop system side                                     | kPa | 74     | 91     | 98     | 86     | 95     | 109    | 116    | 84     | 84     | 110    | 110    | 101    | 116    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cooling capacity  | kW  | 500,3  | 559,0  | 564,4  | 569,9  | 610,4  | 656,1  | 662,5  | 737,9  | 742,7  | 856,4  | 861,8  | 926,6  | 1037,6 |  |
| Input power   | kW  | 41,3   | 45,5   | 45,5   | 45,5   | 49,3   | 53,1   | 53,1   | 59,6   | 59,6   | 69,7   | 69,7   | 77,6   | 85,4   |  |
| Free cooling total input current                              | A   | 69,0   | 76,0   | 76,0   | 76,0   | 82,0   | 89,0   | 89,0   | 99,0   | 100,0  | 118,0  | 118,0  | 129,0  | 145,0  |  |
| EER   | W/W | 12,12  | 12,30  | 12,42  | 12,54  | 12,38  | 12,36  | 12,48  | 12,38  | 12,46  | 12,29  | 12,37  | 11,95  | 12,15  |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - E**

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: B</b>   |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 319,8 | 365,8 | 417,7 | 473,0 | 509,1 | 549,8 | 568,8 | 618,6  | 646,3  | 675,1  | 715,5  | 796,7  | 851,7  | 929,6  |
| Input power   | kW  | 105,5 | 123,3 | 137,5 | 159,4 | 178,3 | 183,3 | 195,5 | 205,2  | 220,4  | 235,9  | 253,5  | 270,8  | 297,1  | 320,1  |
| Cooling total input current                                   | A   | 177,0 | 206,0 | 223,0 | 261,0 | 295,0 | 305,0 | 326,0 | 342,0  | 365,0  | 389,0  | 415,0  | 438,0  | 474,0  | 517,0  |
| EER   | W/W | 3,03  | 2,97  | 3,04  | 2,97  | 2,85  | 3,00  | 2,91  | 3,01   | 2,93   | 2,86   | 2,82   | 2,94   | 2,87   | 2,90   |
| Water flow rate system side                                   | l/h | 54946 | 62848 | 71763 | 81260 | 87462 | 94455 | 97732 | 106280 | 111042 | 115993 | 122937 | 136886 | 146332 | 159723 |
| Pressure drop system side                                     | kPa | 62    | 76    | 84    | 78    | 90    | 88    | 94    | 100    | 109    | 91     | 94     | 80     | 92     | 110    |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 186,6 | 192,0 | 231,5 | 241,7 | 246,1 | 294,5 | 297,3 | 334,0  | 337,2  | 351,6  | 354,9  | 403,7  | 407,3  | 448,1  |
| Input power   | kW  | 15,5  | 15,5  | 19,5  | 19,6  | 19,6  | 26,8  | 26,8  | 30,6   | 30,6   | 31,0   | 31,0   | 34,0   | 34,0   | 36,8   |
| Free cooling total input current                              | A   | 26,0  | 26,0  | 32,0  | 32,0  | 32,0  | 44,0  | 45,0  | 51,0   | 51,0   | 51,0   | 51,0   | 55,0   | 54,0   | 59,0   |
| EER   | W/W | 12,01 | 12,36 | 11,89 | 12,34 | 12,57 | 11,01 | 11,11 | 10,92  | 11,03  | 11,35  | 11,45  | 11,88  | 11,98  | 12,18  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: G</b>   |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 316,7 | 363,1 | 414,5 | 469,5 | 504,1 | 545,4 | 564,0 | 613,8  | 640,8  | 669,8  | 710,9  | 790,6  | 843,5  | 921,3  |
| Input power   | kW  | 106,6 | 124,7 | 138,6 | 161,1 | 181,0 | 185,4 | 197,8 | 207,6  | 223,1  | 239,2  | 257,8  | 274,6  | 301,1  | 324,4  |
| Cooling total input current                                   | A   | 179,0 | 208,0 | 225,0 | 263,0 | 298,0 | 308,0 | 329,0 | 345,0  | 369,0  | 393,0  | 421,0  | 443,0  | 480,0  | 523,0  |
| EER   | W/W | 2,97  | 2,91  | 2,99  | 2,91  | 2,79  | 2,94  | 2,85  | 2,96   | 2,87   | 2,80   | 2,76   | 2,88   | 2,80   | 2,84   |
| Water flow rate system side                                   | l/h | 54406 | 62391 | 71215 | 80666 | 86616 | 93710 | 96910 | 105465 | 110105 | 115087 | 122135 | 135840 | 144915 | 158291 |
| Pressure drop system side                                     | kPa | 36    | 42    | 54    | 66    | 76    | 54    | 58    | 59     | 65     | 71     | 73     | 47     | 54     | 66     |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 197,2 | 203,1 | 242,3 | 255,6 | 258,0 | 307,4 | 310,5 | 349,3  | 352,8  | 266,5  | 373,6  | 421,8  | 425,7  | 470,1  |
| Input power   | kW  | 15,2  | 15,2  | 19,1  | 19,2  | 19,2  | 26,1  | 26,1  | 29,9   | 29,9   | 30,3   | 30,3   | 33,3   | 33,3   | 36,1   |
| Free cooling total input current                              | A   | 26,0  | 25,0  | 31,0  | 31,0  | 32,0  | 43,0  | 44,0  | 50,0   | 50,0   | 50,0   | 49,0   | 54,0   | 53,0   | 58,0   |
| EER   | W/W | 12,94 | 13,32 | 12,67 | 13,29 | 13,42 | 11,76 | 11,88 | 11,68  | 11,79  | 12,11  | 12,35  | 12,68  | 12,80  | 13,02  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - E**

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403 | 9603 |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--|
| <b>Model: B</b>   |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 995,2  | 1051,6 | 1137,0 | 1159,2 | 1217,3 | 1279,4 | 1341,6 | 1434,0 | 1499,6 | 1598,6 | 1684,0 | -    | -    |  |
| Input power   | kW  | 339,9  | 370,0  | 389,4  | 418,0  | 436,6  | 448,9  | 461,2  | 491,1  | 510,9  | 568,9  | 588,3  | -    | -    |  |
| Cooling total input current                                   | A   | 555,0  | 601,0  | 632,0  | 678,0  | 708,0  | 732,0  | 755,0  | 804,0  | 832,0  | 924,0  | 945,0  | -    | -    |  |
| EER   | W/W | 2,93   | 2,84   | 2,92   | 2,77   | 2,79   | 2,85   | 2,91   | 2,92   | 2,93   | 2,81   | 2,86   | -    | -    |  |
| Water flow rate system side                                   | l/h | 170980 | 180685 | 195353 | 199172 | 209139 | 219823 | 230507 | 246385 | 257643 | 274665 | 289333 | -    | -    |  |
| Pressure drop system side                                     | kPa | 125    | 128    | 130    | 135    | 84     | 115    | 112    | 110    | 121    | 121    | 130    | -    | -    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 495,6  | 509,3  | 549,8  | 551,2  | 600,1  | 640,5  | 682,5  | 692,0  | 739,5  | 761,7  | 802,2  | -    | -    |  |
| Input power   | kW  | 44,0   | 44,2   | 46,9   | 47,0   | 53,5   | 57,3   | 61,5   | 56,4   | 63,5   | 65,6   | 68,4   | -    | -    |  |
| Free cooling total input current                              | A   | 72,0   | 72,0   | 76,0   | 76,0   | 87,0   | 93,0   | 100,0  | 92,0   | 104,0  | 107,0  | 110,0  | -    | -    |  |
| EER   | W/W | 11,27  | 11,54  | 11,72  | 11,73  | 11,22  | 11,17  | 11,14  | 12,27  | 11,64  | 11,60  | 11,72  | -    | -    |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403 | 9603 |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--|
| <b>Model: G</b>   |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 987,5  | 1041,9 | 1127,1 | 1148,0 | 1206,7 | 1269,3 | 1332,0 | 1421,7 | 1487,9 | 1583,2 | 1668,4 | -    | -    |  |
| Input power   | kW  | 344,2  | 375,3  | 394,8  | 424,0  | 442,2  | 454,4  | 466,6  | 497,6  | 517,4  | 577,4  | 596,9  | -    | -    |  |
| Cooling total input current                                   | A   | 561,0  | 609,0  | 640,0  | 687,0  | 717,0  | 740,0  | 763,0  | 814,0  | 842,0  | 937,0  | 957,0  | -    | -    |  |
| EER   | W/W | 2,87   | 2,78   | 2,86   | 2,71   | 2,73   | 2,79   | 2,85   | 2,86   | 2,88   | 2,74   | 2,80   | -    | -    |  |
| Water flow rate system side                                   | l/h | 169667 | 179011 | 193651 | 197235 | 207320 | 218083 | 228846 | 244269 | 255645 | 272005 | 286645 | -    | -    |  |
| Pressure drop system side                                     | kPa | 76     | 87     | 83     | 86     | 58     | 70     | 70     | 86     | 86     | 100    | 100    | -    | -    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 523,4  | 531,6  | 576,1  | 581,5  | 627,1  | 669,8  | 712,5  | 728,1  | 781,4  | 795,8  | 840,2  | -    | -    |  |
| Input power   | kW  | 43,0   | 43,1   | 46,0   | 46,0   | 52,3   | 56,1   | 59,8   | 55,3   | 62,2   | 64,2   | 67,0   | -    | -    |  |
| Free cooling total input current                              | A   | 70,0   | 70,0   | 74,0   | 74,0   | 85,0   | 91,0   | 98,0   | 91,0   | 101,0  | 104,0  | 107,0  | -    | -    |  |
| EER   | W/W | 12,17  | 12,32  | 12,53  | 12,65  | 11,99  | 11,95  | 11,91  | 13,16  | 12,55  | 12,40  | 12,54  | -    | -    |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - U**

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502   | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: B</b>   |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 328,1 | 378,5 | 429,3 | 491,9 | 531,3 | 568,6 | 589,0  | 638,0  | 667,8  | 695,1  | 735,8  | 824,8  | 891,0  | 967,9  |
| Input power   | kW  | 105,3 | 121,3 | 136,2 | 155,8 | 172,9 | 180,0 | 191,0  | 202,4  | 216,1  | 228,4  | 242,4  | 263,0  | 288,2  | 311,5  |
| Cooling total input current                                   | A   | 186,0 | 212,0 | 232,0 | 266,0 | 297,0 | 313,0 | 332,0  | 353,0  | 374,0  | 392,0  | 413,0  | 443,0  | 477,0  | 523,0  |
| EER   | W/W | 3,12  | 3,12  | 3,15  | 3,16  | 3,07  | 3,16  | 3,08   | 3,15   | 3,09   | 3,04   | 3,04   | 3,14   | 3,09   | 3,11   |
| Water flow rate system side                                   | l/h | 56372 | 65027 | 73755 | 84508 | 91287 | 97691 | 101204 | 109611 | 114731 | 119419 | 126414 | 141715 | 153088 | 166304 |
| Pressure drop system side                                     | kPa | 66    | 81    | 88    | 83    | 96    | 93    | 99     | 106    | 88     | 95     | 87     | 85     | 99     | 117    |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 207,3 | 213,5 | 254,5 | 275,3 | 278,0 | 330,7 | 333,2  | 373,6  | 391,6  | 395,4  | 406,8  | 452,9  | 456,9  | 499,3  |
| Input power   | kW  | 19,5  | 19,5  | 24,5  | 26,5  | 26,5  | 32,7  | 32,8   | 37,6   | 38,0   | 38,0   | 38,1   | 42,0   | 42,0   | 45,8   |
| Free cooling total input current                              | A   | 34,0  | 34,0  | 42,0  | 45,0  | 46,0  | 57,0  | 57,0   | 65,0   | 66,0   | 65,0   | 65,0   | 71,0   | 70,0   | 77,0   |
| EER   | W/W | 10,62 | 10,94 | 10,40 | 10,40 | 10,49 | 10,10 | 10,17  | 9,94   | 10,31  | 10,41  | 10,67  | 10,79  | 10,88  | 10,90  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502   | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|---|-----|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: G</b>   |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b>              |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 326,9 | 376,7 | 427,6 | 488,8 | 527,6 | 565,4 | 585,6  | 634,6  | 664,0  | 691,7  | 732,5  | 820,3  | 884,7  | 961,8  |
| Input power   | kW  | 106,3 | 122,5 | 137,6 | 157,4 | 174,8 | 181,8 | 193,0  | 204,4  | 218,3  | 231,1  | 245,7  | 266,0  | 291,3  | 314,8  |
| Cooling total input current                                   | A   | 187,0 | 213,0 | 234,0 | 269,0 | 300,0 | 316,0 | 335,0  | 356,0  | 377,0  | 396,0  | 418,0  | 447,0  | 482,0  | 528,0  |
| EER   | W/W | 3,08  | 3,07  | 3,11  | 3,10  | 3,02  | 3,11  | 3,03   | 3,10   | 3,04   | 2,99   | 2,98   | 3,08   | 3,04   | 3,06   |
| Water flow rate system side                                   | l/h | 56168 | 64715 | 73458 | 83974 | 90643 | 97138 | 100613 | 109029 | 114089 | 118834 | 125850 | 140933 | 152003 | 165249 |
| Pressure drop system side                                     | kPa | 39    | 45    | 58    | 72    | 84    | 59    | 63     | 64     | 70     | 76     | 78     | 51     | 59     | 72     |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| Cooling capacity  | kW  | 219,8 | 228,8 | 272,7 | 291,1 | 297,0 | 349,6 | 353,1  | 394,9  | 414,0  | 418,2  | 430,6  | 479,9  | 489,3  | 530,2  |
| Input power   | kW  | 19,2  | 19,2  | 24,1  | 26,0  | 26,0  | 32,1  | 32,1   | 36,9   | 37,3   | 37,3   | 37,4   | 41,3   | 41,3   | 45,1   |
| Free cooling total input current                              | A   | 34,0  | 33,0  | 41,0  | 44,0  | 45,0  | 56,0  | 56,0   | 64,0   | 64,0   | 64,0   | 64,0   | 69,0   | 68,0   | 75,0   |
| EER   | W/W | 11,43 | 11,90 | 11,30 | 11,20 | 11,42 | 10,89 | 11,00  | 10,71  | 11,11  | 11,22  | 11,51  | 11,63  | 11,86  | 11,77  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - U**

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403 | 9603 |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--|
| <b>Model: B</b>   |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 1031,1 | 1095,0 | 1181,2 | 1208,8 | 1265,8 | 1326,2 | 1386,6 | 1491,1 | 1554,3 | 1666,6 | 1752,7 | -    | -    |  |
| Input power   | kW  | 332,0  | 358,4  | 379,0  | 405,3  | 426,4  | 440,0  | 453,5  | 478,4  | 498,9  | 549,8  | 570,4  | -    | -    |  |
| Cooling total input current                                   | A   | 564,0  | 605,0  | 639,0  | 682,0  | 718,0  | 746,0  | 774,0  | 812,0  | 846,0  | 926,0  | 954,0  | -    | -    |  |
| EER   | W/W | 3,11   | 3,06   | 3,12   | 2,98   | 2,97   | 3,01   | 3,06   | 3,12   | 3,12   | 3,03   | 3,07   | -    | -    |  |
| Water flow rate system side                                   | l/h | 177155 | 188137 | 202935 | 207692 | 217477 | 227858 | 238239 | 256194 | 267046 | 286336 | 301135 | -    | -    |  |
| Pressure drop system side                                     | kPa | 119    | 137    | 138    | 145    | 104    | 124    | 113    | 117    | 119    | 137    | 138    | -    | -    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 565,8  | 570,9  | 615,3  | 617,2  | 681,2  | 721,6  | 762,0  | 777,2  | 843,7  | 865,6  | 910,0  | -    | -    |  |
| Input power   | kW  | 54,1   | 54,1   | 57,9   | 58,0   | 67,5   | 71,3   | 75,2   | 72,3   | 80,6   | 83,9   | 87,7   | -    | -    |  |
| Free cooling total input current                              | A   | 92,0   | 91,0   | 98,0   | 97,0   | 114,0  | 121,0  | 128,0  | 123,0  | 137,0  | 141,0  | 147,0  | -    | -    |  |
| EER   | W/W | 10,46  | 10,55  | 10,62  | 10,65  | 10,10  | 10,12  | 10,14  | 10,75  | 10,47  | 10,32  | 10,38  | -    | -    |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size  |     | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403 | 9603 |  |
|---|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--|
| <b>Model: G</b>   |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| <b>Cooling performance chiller operation (1)</b>              |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 1025,3 | 1088,1 | 1174,0 | 1200,9 | 1257,9 | 1318,5 | 1379,2 | 1482,0 | 1545,4 | 1655,7 | 1741,6 | -    | -    |  |
| Input power   | kW  | 335,5  | 362,4  | 383,1  | 409,7  | 430,7  | 444,3  | 457,9  | 483,4  | 504,1  | 556,1  | 576,8  | -    | -    |  |
| Cooling total input current                                   | A   | 569,0  | 611,0  | 645,0  | 688,0  | 725,0  | 752,0  | 780,0  | 819,0  | 854,0  | 936,0  | 963,0  | -    | -    |  |
| EER   | W/W | 3,06   | 3,00   | 3,06   | 2,93   | 2,92   | 2,97   | 3,01   | 3,07   | 3,07   | 2,98   | 3,02   | -    | -    |  |
| Water flow rate system side                                   | l/h | 176150 | 186945 | 201699 | 206322 | 216119 | 226541 | 236963 | 254617 | 265517 | 284475 | 299229 | -    | -    |  |
| Pressure drop system side                                     | kPa | 81     | 94     | 90     | 94     | 63     | 70     | 75     | 85     | 92     | 103    | 113    | -    | -    |  |
| <b>Cooling performances with free-cooling glycol-free (2)</b> |     |        |        |        |        |        |        |        |        |        |        |        |      |      |  |
| Cooling capacity  | kW  | 600,3  | 606,3  | 654,1  | 660,5  | 720,3  | 764,2  | 808,1  | 827,1  | 897,3  | 920,4  | 968,2  | -    | -    |  |
| Input power   | kW  | 53,1   | 53,1   | 57,0   | 57,0   | 66,1   | 69,9   | 73,8   | 71,0   | 79,1   | 82,2   | 86,0   | -    | -    |  |
| Free cooling total input current                              | A   | 90,0   | 90,0   | 96,0   | 96,0   | 111,0  | 118,0  | 126,0  | 120,0  | 134,0  | 138,0  | 144,0  | -    | -    |  |
| EER   | W/W | 11,30  | 11,41  | 11,48  | 11,60  | 10,90  | 10,93  | 10,95  | 11,64  | 11,34  | 11,20  | 11,25  | -    | -    |  |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - N**

| Size   |     | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902   |
|--|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Model: B</b>                                  |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| <b>Cooling performance chiller operation (1)</b> |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| Cooling capacity                                 | kW  | 326,0 | 376,5 | 424,5 | 486,3 | 525,3 | 559,6 | 579,7 | 626,1  | 655,1  | 682,6  | 723,4  | 811,7  | 888,8  | 960,7  |
| Input power                                      | kW  | 103,6 | 119,3 | 134,4 | 153,8 | 170,9 | 178,3 | 189,4 | 200,8  | 214,8  | 227,9  | 242,9  | 263,8  | 283,0  | 307,1  |
| Cooling total input current                      | A   | 175,0 | 200,0 | 218,0 | 253,0 | 283,0 | 297,0 | 317,0 | 335,0  | 357,0  | 376,0  | 399,0  | 427,0  | 452,0  | 497,0  |
| EER  | W/W | 3,15  | 3,16  | 3,16  | 3,16  | 3,07  | 3,14  | 3,06  | 3,12   | 3,05   | 3,00   | 2,98   | 3,08   | 3,14   | 3,13   |
| Water flow rate system side                      | l/h | 56017 | 64687 | 72926 | 83554 | 90260 | 96150 | 99597 | 107568 | 112546 | 117285 | 124287 | 139460 | 152704 | 165051 |
| Pressure drop system side                        | kPa | 54    | 65    | 67    | 83    | 96    | 92    | 98    | 79     | 86     | 93     | 86     | 84     | 100    | 106    |

**Cooling performances with free-cooling glycol-free (2)**

|                                  |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cooling capacity                 | kW  | 220,8 | 232,6 | 273,9 | 282,2 | 286,3 | 327,6 | 330,8 | 378,1 | 381,7 | 385,4 | 396,5 | 442,9 | 482,6 | 528,7 |
| Input power                      | kW  | 18,3  | 19,6  | 26,5  | 26,5  | 27,4  | 30,6  | 30,6  | 33,8  | 33,8  | 33,8  | 34,0  | 40,8  | 43,6  | 46,5  |
| Free cooling total input current | A   | 31,0  | 33,0  | 43,0  | 44,0  | 45,0  | 51,0  | 51,0  | 56,0  | 56,0  | 56,0  | 56,0  | 66,0  | 70,0  | 75,0  |
| EER                              | W/W | 12,04 | 11,88 | 10,32 | 10,63 | 10,44 | 10,71 | 10,82 | 11,17 | 11,28 | 11,39 | 11,66 | 10,86 | 11,07 | 11,37 |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size |  | 1402 | 1602 | 1802 | 2002 | 2202 | 2352 | 2502 | 2652 | 2802 | 3002 | 3202 | 3402 | 3602 | 3902 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

**Model: G**

**Cooling performance chiller operation (1)**

|                             |     |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
|-----------------------------|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| Cooling capacity            | kW  | 325,1 | 375,2 | 422,9 | 483,6 | 522,0 | 556,8 | 576,7 | 623,1  | 651,8  | 679,6  | 720,3  | 807,0  | 882,8  | 955,1  |
| Input power                 | kW  | 104,5 | 120,4 | 135,6 | 155,5 | 172,9 | 180,2 | 191,5 | 202,9  | 217,2  | 230,8  | 246,4  | 267,1  | 286,2  | 310,3  |
| Cooling total input current | A   | 176,0 | 201,0 | 220,0 | 255,0 | 286,0 | 300,0 | 320,0 | 338,0  | 360,0  | 381,0  | 404,0  | 431,0  | 457,0  | 501,0  |
| EER                         | W/W | 3,11  | 3,12  | 3,12  | 3,11  | 3,02  | 3,09  | 3,01  | 3,07   | 3,00   | 2,94   | 2,92   | 3,02   | 3,09   | 3,08   |
| Water flow rate system side | l/h | 55859 | 64457 | 72661 | 83082 | 89692 | 95662 | 99076 | 107055 | 111979 | 116764 | 123748 | 138653 | 151682 | 164102 |
| Pressure drop system side   | kPa | 39    | 46    | 36    | 44    | 51    | 58    | 62    | 40     | 43     | 47     | 46     | 50     | 60     | 72     |

**Cooling performances with free-cooling glycol-free (2)**

|                                  |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cooling capacity                 | kW  | 230,8 | 243,4 | 284,6 | 294,0 | 301,4 | 342,3 | 345,8 | 395,2 | 403,2 | 407,2 | 414,7 | 463,0 | 509,0 | 554,0 |
| Input power                      | kW  | 18,0  | 19,2  | 25,6  | 25,9  | 26,7  | 29,9  | 29,9  | 33,1  | 33,1  | 33,1  | 33,3  | 39,8  | 42,6  | 45,6  |
| Free cooling total input current | A   | 30,0  | 32,0  | 42,0  | 43,0  | 44,0  | 50,0  | 50,0  | 55,0  | 55,0  | 55,0  | 55,0  | 64,0  | 68,0  | 74,0  |
| EER                              | W/W | 12,79 | 12,66 | 10,98 | 11,34 | 11,27 | 11,44 | 11,56 | 11,93 | 12,17 | 12,29 | 12,46 | 11,62 | 11,94 | 12,15 |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

**NSM - N**

| Size |  | 4202 | 4502 | 4802 | 5202 | 5602 | 6002 | 6402 | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|

**Model: B**

**Cooling performance chiller operation (1)**

|                             |     |        |        |        |        |        |        |        |        |   |   |   |   |   |
|-----------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|---|---|---|---|---|
| Cooling capacity            | kW  | 1004,9 | 1098,6 | 1161,7 | 1218,0 | 1274,5 | 1318,1 | 1361,7 | 1478,4 | - | - | - | - | - |
| Input power                 | kW  | 332,9  | 349,5  | 369,2  | 392,7  | 416,2  | 433,5  | 450,9  | 472,0  | - | - | - | - | - |
| Cooling total input current | A   | 544,0  | 570,0  | 600,0  | 639,0  | 677,0  | 708,0  | 740,0  | 771,0  | - | - | - | - | - |
| EER                         | W/W | 3,02   | 3,14   | 3,15   | 3,10   | 3,06   | 3,04   | 3,02   | 3,13   | - | - | - | - | - |
| Water flow rate system side | l/h | 172652 | 188754 | 199587 | 209274 | 218966 | 226456 | 233947 | 254013 | - | - | - | - | - |
| Pressure drop system side   | kPa | 116    | 112    | 104    | 109    | 72     | 78     | 81     | 105    | - | - | - | - | - |

**Cooling performances with free-cooling glycol-free (2)**

|                                  |     |       |       |       |       |       |       |       |       |   |   |   |   |   |
|----------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|
| Cooling capacity                 | kW  | 533,7 | 625,3 | 661,6 | 712,1 | 756,1 | 767,1 | 770,8 | 815,0 | - | - | - | - | - |
| Input power                      | kW  | 46,5  | 57,3  | 61,2  | 64,4  | 67,7  | 67,7  | 67,7  | 73,9  | - | - | - | - | - |
| Free cooling total input current | A   | 76,0  | 93,0  | 99,0  | 105,0 | 110,0 | 111,0 | 111,0 | 121,0 | - | - | - | - | - |
| EER                              | W/W | 11,47 | 10,91 | 10,82 | 11,05 | 11,17 | 11,34 | 11,39 | 11,03 | - | - | - | - | - |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

| Size |  | 4202 | 4502 | 4802 | 5202 | 5602 | 6002 | 6402 | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|

**Model: G**

**Cooling performance chiller operation (1)**

|                             |     |        |        |        |        |        |        |        |        |   |   |   |   |   |
|-----------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|---|---|---|---|---|
| Cooling capacity            | kW  | 998,8  | 1092,7 | 1155,6 | 1211,7 | 1267,7 | 1310,9 | 1354,2 | 1470,0 | - | - | - | - | - |
| Input power                 | kW  | 336,7  | 353,2  | 373,0  | 396,5  | 420,0  | 437,6  | 455,3  | 476,9  | - | - | - | - | - |
| Cooling total input current | A   | 550,0  | 575,0  | 606,0  | 644,0  | 682,0  | 714,0  | 746,0  | 778,0  | - | - | - | - | - |
| EER                         | W/W | 2,97   | 3,09   | 3,10   | 3,06   | 3,02   | 3,00   | 2,97   | 3,08   | - | - | - | - | - |
| Water flow rate system side | l/h | 171604 | 187733 | 198553 | 208183 | 217806 | 225235 | 232663 | 252555 | - | - | - | - | - |
| Pressure drop system side   | kPa | 79     | 67     | 76     | 76     | 41     | 44     | 47     | 72     | - | - | - | - | - |

**Cooling performances with free-cooling glycol-free (2)**

|                                  |     |       |       |       |       |       |       |       |       |   |   |   |   |   |
|----------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|
| Cooling capacity                 | kW  | 559,3 | 653,2 | 691,6 | 748,6 | 798,5 | 804,6 | 806,4 | 852,3 | - | - | - | - | - |
| Input power                      | kW  | 45,6  | 56,1  | 59,8  | 63,1  | 66,3  | 66,2  | 66,3  | 72,3  | - | - | - | - | - |
| Free cooling total input current | A   | 74,0  | 91,0  | 97,0  | 102,0 | 108,0 | 108,0 | 109,0 | 118,0 | - | - | - | - | - |
| EER                              | W/W | 12,27 | 11,65 | 11,56 | 11,87 | 12,05 | 12,15 | 12,17 | 11,79 | - | - | - | - | - |

(1) System side water heat exchanger 12 °C/7 °C; External air 35 °C; Chiller operation 100%; Free-cooling 0%

(2) Acqua scambiatore lato utenza 12 °C / 8,7 °C ; Aria esterna 2 °C; circuito idraulico glicolato al 30%; circuito idraulico primario glicole 0%.

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

| Size  |   |     | 1402 | 1602 | 1802 | 2002 | 2202 | 2352 | 2502 | 2652 | 2802 | 3002 | 3202 | 3402 | 3602 | 3902 |
|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Model: B</b>   |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>SEPR - (EN14825: 2018) High temperature with standard fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SEPR  | A | W/W | 6,16 | 5,97 | 5,71 | 5,54 | 5,80 | 5,60 | 5,52 | 5,67 | 5,57 | 5,55 | 5,52 | 5,72 | 5,57 | 5,66 |
|   | E | W/W | 6,18 | 5,87 | 6,03 | 5,79 | 5,54 | 5,86 | 5,65 | 5,80 | 5,67 | 5,56 | 5,51 | 5,72 | 5,57 | 5,64 |
|   | N | W/W | 6,43 | 6,20 | 6,09 | 5,96 | 5,71 | 5,94 | 5,78 | 6,01 | 5,85 | 5,70 | 5,61 | 5,76 | 5,86 | 5,88 |
|   | U | W/W | 6,20 | 6,02 | 6,11 | 6,09 | 5,85 | 6,00 | 5,84 | 5,96 | 5,92 | 5,78 | 5,71 | 5,96 | 5,82 | 5,86 |
| <b>SEPR - (EN14825: 2018) High temperature with inverter fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SEPR  | A | W/W | 6,16 | 5,97 | 5,71 | 5,54 | 5,80 | 5,60 | 5,52 | 5,67 | 5,57 | 5,55 | 5,52 | 5,72 | 5,57 | 5,66 |
|   | E | W/W | 6,18 | 5,87 | 6,03 | 5,79 | 5,54 | 5,86 | 5,65 | 5,80 | 5,67 | 5,56 | 5,51 | 5,72 | 5,57 | 5,64 |
|   | N | W/W | 6,43 | 6,20 | 6,09 | 5,96 | 5,71 | 5,94 | 5,78 | 6,01 | 5,85 | 5,70 | 5,61 | 5,76 | 5,86 | 5,88 |
|   | U | W/W | 6,20 | 6,02 | 6,11 | 6,09 | 5,85 | 6,00 | 5,84 | 5,96 | 5,92 | 5,78 | 5,71 | 5,96 | 5,82 | 5,86 |

(1) Calculation performed with FIXED water flow rate.

| Size  |   |     | 1402 | 1602 | 1802 | 2002 | 2202 | 2352 | 2502 | 2652 | 2802 | 3002 | 3202 | 3402 | 3602 | 3902 |
|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Model: G</b>   |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>SEPR - (EN14825: 2018) High temperature with standard fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SEPR  | A | W/W | 6,24 | 6,04 | 5,75 | 5,52 | 5,79 | 5,58 | 5,51 | 5,71 | 5,62 | 5,53 | 5,51 | 5,64 | 5,54 | 5,71 |
|   | E | W/W | 6,21 | 5,91 | 6,07 | 5,76 | 5,51 | 5,87 | 5,66 | 5,84 | 5,71 | 5,53 | 5,51 | 5,71 | 5,56 | 5,66 |
|   | N | W/W | 6,46 | 6,23 | 6,14 | 6,02 | 5,77 | 5,99 | 5,82 | 6,08 | 5,93 | 5,77 | 5,64 | 5,78 | 5,91 | 5,91 |
|   | U | W/W | 6,27 | 6,11 | 6,19 | 6,07 | 5,83 | 6,05 | 5,89 | 6,04 | 5,93 | 5,78 | 5,68 | 6,01 | 5,88 | 5,92 |
| <b>SEPR - (EN14825: 2018) High temperature with inverter fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SEPR  | A | W/W | 6,24 | 6,04 | 5,75 | 5,52 | 5,79 | 5,58 | 5,51 | 5,71 | 5,62 | 5,53 | 5,51 | 5,64 | 5,54 | 5,71 |
|   | E | W/W | 6,21 | 5,91 | 6,07 | 5,76 | 5,51 | 5,87 | 5,66 | 5,84 | 5,71 | 5,53 | 5,51 | 5,71 | 5,56 | 5,66 |
|   | N | W/W | 6,46 | 6,23 | 6,14 | 6,02 | 5,77 | 5,99 | 5,82 | 6,08 | 5,93 | 5,77 | 5,64 | 5,78 | 5,91 | 5,91 |
|   | U | W/W | 6,27 | 6,11 | 6,19 | 6,07 | 5,83 | 6,05 | 5,89 | 6,04 | 5,93 | 5,78 | 5,68 | 6,01 | 5,88 | 5,92 |

(1) Calculation performed with FIXED water flow rate.

| Size  |   |     | 4202 | 4502 | 4802 | 5202 | 5602 | 6002 | 6402 | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |  |
|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| <b>Model: B</b>   |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| <b>SEPR - (EN14825: 2018) High temperature with standard fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SEPR  | A | W/W | 5,52 | 5,60 | 5,53 | 5,53 | 5,52 | 5,52 | 5,51 | 5,73 | 5,60 | 5,77 | 5,64 | 5,52 | 5,58 |  |
|   | E | W/W | 5,61 | 5,52 | 5,59 | 5,54 | 5,52 | 5,51 | 5,60 | 5,83 | 5,85 | 5,55 | 5,61 | -    | -    |  |
|   | N | W/W | 5,69 | 5,85 | 5,82 | 5,93 | 5,94 | 5,87 | 5,81 | 6,05 | -    | -    | -    | -    | -    |  |
|   | U | W/W | 5,86 | 5,72 | 5,81 | 5,66 | 5,62 | 5,63 | 5,77 | 6,04 | 6,05 | 5,78 | 5,85 | -    | -    |  |
| <b>SEPR - (EN14825: 2018) High temperature with inverter fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SEPR  | A | W/W | 5,52 | 5,60 | 5,53 | 5,53 | 5,52 | 5,52 | 5,51 | 5,73 | 5,60 | 5,77 | 5,64 | 5,52 | 5,58 |  |
|   | E | W/W | 5,61 | 5,52 | 5,59 | 5,54 | 5,52 | 5,51 | 5,60 | 5,83 | 5,85 | 5,55 | 5,61 | -    | -    |  |
|   | N | W/W | 5,69 | 5,85 | 5,82 | 5,93 | 5,94 | 5,87 | 5,81 | 6,05 | -    | -    | -    | -    | -    |  |
|   | U | W/W | 5,86 | 5,72 | 5,81 | 5,66 | 5,62 | 5,63 | 5,77 | 6,04 | 6,05 | 5,78 | 5,85 | -    | -    |  |

(1) Calculation performed with FIXED water flow rate.

| Size  |   |     | 4202 | 4502 | 4802 | 5202 | 5602 | 6002 | 6402 | 6503 | 6703 | 6903 | 7203 | 8403 | 9603 |  |
|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| <b>Model: G</b>   |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| <b>SEPR - (EN14825: 2018) High temperature with standard fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SEPR  | A | W/W | 5,57 | 5,64 | 5,57 | 5,53 | 5,51 | 5,50 | 5,51 | 5,75 | 5,64 | 5,77 | 5,66 | 5,51 | 5,58 |  |
|   | E | W/W | 5,65 | 5,52 | 5,61 | 5,55 | 5,49 | 5,53 | 5,62 | 5,81 | 5,87 | 5,51 | 5,58 | -    | -    |  |
|   | N | W/W | 5,72 | 5,90 | 5,84 | 5,97 | 5,99 | 5,91 | 5,84 | 6,08 | -    | -    | -    | -    | -    |  |
|   | U | W/W | 5,91 | 5,76 | 5,87 | 5,73 | 5,67 | 5,71 | 5,82 | 6,09 | 6,09 | 5,81 | 5,87 | -    | -    |  |
| <b>SEPR - (EN14825: 2018) High temperature with inverter fans (1)</b> |   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SEPR  | A | W/W | 5,57 | 5,64 | 5,57 | 5,53 | 5,51 | 5,50 | 5,51 | 5,75 | 5,64 | 5,77 | 5,66 | 5,51 | 5,58 |  |
|   | E | W/W | 5,65 | 5,52 | 5,61 | 5,55 | 5,49 | 5,53 | 5,62 | 5,81 | 5,87 | 5,51 | 5,58 | -    | -    |  |
|   | N | W/W | 5,72 | 5,90 | 5,84 | 5,97 | 5,99 | 5,91 | 5,84 | 6,08 | -    | -    | -    | -    | -    |  |
|   | U | W/W | 5,91 | 5,76 | 5,87 | 5,73 | 5,67 | 5,71 | 5,82 | 6,09 | 6,09 | 5,81 | 5,87 | -    | -    |  |

(1) Calculation performed with FIXED water flow rate.

## ELECTRIC DATA

| Size                  |     |   | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652  | 2802  | 3002  | 3202  | 3402  | 3602  | 3902  |
|-----------------------|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Electric data</b>  |     |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Maximum current (FLA) | A   | A | 243,9 | 271,9 | 299,1 | 332,5 | 374,4 | 395,7 | 417,0 | 450,2 | 474,9 | 474,9 | 474,9 | 531,4 | 579,4 | 635,9 |
|                       | E,U | A | 243,9 | 271,9 | 307,6 | 341,0 | 374,4 | 404,2 | 425,5 | 458,7 | 483,4 | 483,4 | 483,4 | 539,9 | 587,9 | 644,4 |
|                       | N   | A | 252,4 | 280,4 | 316,1 | 349,5 | 382,9 | 412,7 | 434,0 | 467,2 | 491,9 | 491,9 | 491,9 | 548,4 | 604,9 | 667,2 |
| Peak current (LRA)    | A   | A | 265,5 | 307,3 | 350,2 | 388,2 | 419,8 | 466,8 | 484,0 | 519,5 | 529,4 | 529,4 | 529,4 | 661,9 | 701,8 | 831,3 |
|                       | E,U | A | 265,5 | 307,3 | 358,7 | 396,7 | 419,8 | 475,3 | 492,5 | 528,0 | 537,9 | 537,9 | 537,9 | 670,4 | 710,3 | 839,8 |
|                       | N   | A | 274,0 | 315,8 | 367,2 | 405,2 | 428,3 | 483,8 | 501,0 | 536,5 | 546,4 | 546,4 | 546,4 | 678,9 | 727,3 | 862,6 |



| Size                  |     |   | 4202  | 4502  | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203   | 8403   | 9603   |
|-----------------------|-----|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Electric data</b>  |     |   |       |       |        |        |        |        |        |        |        |        |        |        |        |
| Maximum current (FLA) | A   | A | 683,9 | 731,4 | 770,4  | 813,4  | 864,9  | 913,2  | 947,2  | 980,7  | 1028,7 | 1123,7 | 1162,7 | 1300,2 | 1419,2 |
|                       | E,U | A | 700,9 | 739,9 | 793,2  | 836,2  | 887,7  | 930,2  | 972,7  | 997,7  | 1054,2 | 1132,2 | 1179,7 | -      | -      |
|                       | N   | A | 715,2 | 771,2 | 818,7  | 870,2  | 921,7  | 955,7  | 989,7  | 1023,2 | -      | -      | -      | -      | -      |
| Peak current (LRA)    | A   | A | 858,2 | 930,7 | 953,4  | 1108,4 | 1163,9 | 1290,2 | 1287,2 | 1069,4 | 1096,3 | 1200,0 | 1222,7 | 1480,2 | 1603,2 |
|                       | E,U | A | 875,2 | 939,2 | 976,2  | 1131,2 | 1186,7 | 1307,2 | 1312,7 | 1086,4 | 1121,8 | 1208,5 | 1239,7 | -      | -      |
|                       | N   | A | 889,5 | 970,5 | 1001,7 | 1165,2 | 1220,7 | 1332,7 | 1329,7 | 1111,9 | -      | -      | -      | -      | -      |

## GENERAL TECHNICAL DATA

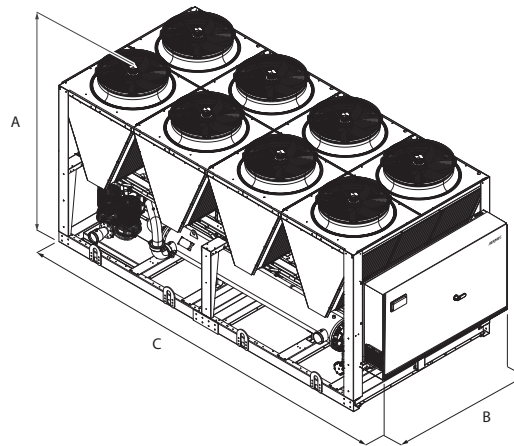
| Size   |         |                   | 1402   | 1602   | 1802   | 2002   | 2202   | 2352   | 2502   | 2652   | 2802   | 3002   | 3202   | 3402   | 3602   | 3902           |
|--|---------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| <b>Compressor</b>                                |         |                   |        |        |        |        |        |        |        |        |        |        |        |        |        |                |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        |        |        |        | Bi-vite        |
| Compressor regulation                            | A,E,N,U | Type              |        |        |        |        |        |        |        |        |        |        |        |        |        | On-Off         |
| Number   | A,E,N,U | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2              |
| Circuits   | A,E,N,U | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2              |
| Refrigerant                                      | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        |        |        |        | R134a          |
| <b>System side heat exchanger</b>                |         |                   |        |        |        |        |        |        |        |        |        |        |        |        |        |                |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        |        |        |        | Shell and tube |
| Number   | A,E,N,U | no.               | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1              |
| Connections (in/out)                             | A,E,N,U | Type              |        |        |        |        |        |        |        |        |        |        |        |        |        | Grooved joints |
| <b>Fan</b>                                       |         |                   |        |        |        |        |        |        |        |        |        |        |        |        |        |                |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        |        |        |        | Axial          |
| Number   | A       | no.               | 8      | 8      | 8      | 8      | 10     | 10     | 10     | 12     | 12     | 12     | 12     | 14     | 14     | 16             |
|  | E,U     | no.               | 8      | 8      | 10     | 10     | 10     | 12     | 12     | 14     | 14     | 14     | 14     | 16     | 16     | 18             |
|  | N       | no.               | 10     | 10     | 12     | 12     | 12     | 14     | 14     | 16     | 16     | 16     | 16     | 18     | 20     | 22             |
| Air flow rate                                    | A       | m <sup>3</sup> /h | 116000 | 116000 | 116000 | 116000 | 145000 | 145000 | 145000 | 174000 | 174000 | 174000 | 174000 | 203000 | 203000 | 232000         |
|  | E       | m <sup>3</sup> /h | 89600  | 89600  | 112000 | 112000 | 112000 | 134400 | 134400 | 156800 | 156800 | 156800 | 156800 | 179200 | 179200 | 201600         |
|  | N       | m <sup>3</sup> /h | 112000 | 112000 | 134400 | 134400 | 134400 | 156800 | 156800 | 179200 | 179200 | 179200 | 179200 | 201600 | 224000 | 246400         |
|  | U       | m <sup>3</sup> /h | 116000 | 116000 | 145000 | 145000 | 145000 | 174000 | 174000 | 203000 | 203000 | 203000 | 203000 | 232000 | 232000 | 261000         |
| <b>Sound data calculated in cooling mode (1)</b> |         |                   |        |        |        |        |        |        |        |        |        |        |        |        |        |                |
| Sound power level                                | A       | dB(A)             | 98,0   | 98,0   | 98,0   | 98,0   | 99,0   | 99,0   | 99,0   | 99,7   | 99,7   | 99,7   | 99,7   | 100,4  | 100,4  | 101,1          |
|  | E       | dB(A)             | 91,0   | 91,0   | 91,7   | 91,9   | 92,1   | 92,6   | 92,5   | 93,0   | 93,0   | 93,0   | 93,0   | 93,7   | 93,9   | 94,6           |
|  | N       | dB(A)             | 91,7   | 91,7   | 92,3   | 92,5   | 92,6   | 93,1   | 93,0   | 93,5   | 93,5   | 93,5   | 93,5   | 94,1   | 94,6   | 95,2           |
|  | U       | dB(A)             | 98,0   | 98,0   | 98,9   | 99,0   | 99,0   | 99,7   | 99,7   | 100,4  | 100,4  | 100,4  | 100,4  | 100,9  | 101,0  | 101,5          |
| Sound pressure level (10 m)                      | A       | dB(A)             | 65,6   | 65,6   | 65,6   | 65,6   | 66,4   | 66,4   | 66,4   | 67,1   | 67,1   | 67,1   | 67,1   | 67,6   | 67,7   | 68,2           |
|  | E       | dB(A)             | 58,6   | 58,6   | 59,2   | 59,4   | 59,5   | 59,9   | 59,9   | 60,3   | 60,3   | 60,3   | 60,3   | 60,8   | 61,0   | 61,6           |
|  | N       | dB(A)             | 59,2   | 59,2   | 59,7   | 59,9   | 60,0   | 60,3   | 60,3   | 60,6   | 60,6   | 60,6   | 60,6   | 61,1   | 61,5   | 62,0           |
|  | U       | dB(A)             | 65,6   | 65,6   | 66,4   | 66,4   | 66,4   | 67,1   | 67,1   | 67,6   | 67,6   | 67,6   | 67,6   | 68,1   | 68,1   | 68,5           |

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

| Size   |         |                   | 4202   | 4502   | 4802   | 5202   | 5602   | 6002   | 6402   | 6503   | 6703   | 6903   | 7203           | 8403   | 9603   |
|--|---------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|
| <b>Compressor</b>                                |         |                   |        |        |        |        |        |        |        |        |        |        |                |        |        |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        | Bi-vite        |        |        |
| Compressor regulation                            | A,E,N,U | Type              |        |        |        |        |        |        |        |        |        |        | On-Off         |        |        |
| Number   | A       | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 3              | 3      | 3      |
|  | E,U     | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 3              | -      | -      |
|  | N       | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | -      | -      | -              | -      | -      |
| Circuits   | A       | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 3              | 3      | 3      |
|  | E,U     | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 3              | -      | -      |
|  | N       | no.               | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 3      | -      | -      | -              | -      | -      |
| Refrigerant                                      | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        | R134a          |        |        |
| <b>System side heat exchanger</b>                |         |                   |        |        |        |        |        |        |        |        |        |        |                |        |        |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        | Shell and tube |        |        |
| Number   | A       | no.               | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 2      | 2              | 2      | 2      |
|  | E,U     | no.               | 1      | 1      | 1      | 1      | 2      | 2      | 2      | 2      | 2      | 2      | 2              | -      | -      |
|  | N       | no.               | 1      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | -      | -      | -              | -      | -      |
| Connections (in/out)                             | A,E,N,U | Type              |        |        |        |        |        |        |        |        |        |        | Grooved joints |        |        |
| <b>Fan</b>                                       |         |                   |        |        |        |        |        |        |        |        |        |        |                |        |        |
| Type   | A,E,N,U | type              |        |        |        |        |        |        |        |        |        |        | Axial          |        |        |
| Number   | A       | no.               | 16     | 18     | 18     | 18     | 20     | 22     | 22     | 24     | 24     | 28     | 28             | 30     | 34     |
|  | E,U     | no.               | 20     | 20     | 22     | 22     | 24     | 26     | 28     | 28     | 30     | 30     | 32             | -      | -      |
|  | N       | no.               | 22     | 26     | 28     | 30     | 32     | 32     | 32     | 34     | -      | -      | -              | -      | -      |
| Air flow rate                                    | A       | m <sup>3</sup> /h | 232000 | 261000 | 261000 | 261000 | 290000 | 319000 | 319000 | 348000 | 348000 | 406000 | 406000         | 435000 | 493000 |
|  | E       | m <sup>3</sup> /h | 224000 | 224000 | 246400 | 246400 | 268800 | 291200 | 313600 | 313600 | 336000 | 336000 | 358400         | -      | -      |
|  | N       | m <sup>3</sup> /h | 246400 | 291200 | 313600 | 336000 | 358400 | 358400 | 358400 | 380800 | -      | -      | -              | -      | -      |
|  | U       | m <sup>3</sup> /h | 290000 | 290000 | 319000 | 319000 | 348000 | 377000 | 406000 | 406000 | 435000 | 435000 | 464000         | -      | -      |
| <b>Sound data calculated in cooling mode (1)</b> |         |                   |        |        |        |        |        |        |        |        |        |        |                |        |        |
| Sound power level                                | A       | dB(A)             | 101,1  | 101,6  | 101,6  | 101,6  | 102,1  | 102,5  | 102,5  | 102,7  | 102,8  | 103,4  | 103,4          | 103,7  | 104,2  |
|  | E       | dB(A)             | 95,2   | 95,2   | 95,4   | 95,6   | 96,0   | 96,2   | 96,4   | 96,0   | 96,5   | 96,4   | 96,6           | -      | -      |
|  | N       | dB(A)             | 95,5   | 96,0   | 96,2   | 96,6   | 96,9   | 96,9   | 96,9   | 96,7   | -      | -      | -              | -      | -      |
|  | U       | dB(A)             | 102,0  | 102,0  | 102,4  | 102,4  | 102,8  | 103,1  | 103,4  | 103,4  | 103,7  | 103,7  | 103,9          | -      | -      |
| Sound pressure level (10 m)                      | A       | dB(A)             | 68,2   | 68,6   | 68,6   | 68,6   | 69,0   | 69,2   | 69,2   | 69,4   | 69,4   | 69,8   | 69,8           | 70,0   | 70,4   |
|  | E       | dB(A)             | 62,1   | 62,0   | 62,2   | 62,3   | 62,7   | 62,8   | 62,9   | 62,5   | 62,8   | 62,8   | 62,8           | -      | -      |
|  | N       | dB(A)             | 62,3   | 62,5   | 62,6   | 62,9   | 63,1   | 63,1   | 63,1   | 62,8   | -      | -      | -              | -      | -      |
|  | U       | dB(A)             | 68,9   | 68,9   | 69,1   | 69,2   | 69,5   | 69,7   | 69,9   | 69,8   | 70,0   | 70,0   | 70,2           | -      | -      |

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

## DIMENSIONS



| Size                          |         |    | 1402  | 1602  | 1802  | 2002  | 2202  | 2352  | 2502  | 2652  | 2802  | 3002  | 3202  | 3402  | 3602  | 3902  |
|-------------------------------|---------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Dimensions and weights</b> |         |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| A                             | A,E,N,U | mm | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  |
| B                             | A,E,N,U | mm | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  |
| C                             | A       | mm | 5160  | 5160  | 5160  | 5160  | 6350  | 6350  | 6350  | 7140  | 7140  | 7140  | 7140  | 8330  | 8330  | 9520  |
|                               | E,U     | mm | 5160  | 5160  | 6350  | 6350  | 6350  | 7140  | 7140  | 8330  | 8330  | 8330  | 8330  | 9520  | 9520  | 10710 |
|                               | N       | mm | 6350  | 6350  | 7140  | 7140  | 7140  | 8330  | 8330  | 9520  | 9520  | 9520  | 9520  | 10710 | 11900 | 13090 |
| Size                          |         |    | 4202  | 4502  | 4802  | 5202  | 5602  | 6002  | 6402  | 6503  | 6703  | 6903  | 7203  | 8403  | 9603  |       |
| <b>Dimensions and weights</b> |         |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| A                             | A       | mm | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  |
|                               | E,U     | mm | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | 2450  | -     | -     |
|                               | N       | mm | 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  |
|                               | E,U     | mm | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | -     | -     |
|                               | N       | mm | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | 2200  | -     | -     | -     | -     | -     |
| C                             | A       | mm | 9520  | 10710 | 10710 | 10710 | 11900 | 13090 | 13090 | 14280 | 14280 | 16660 | 16660 | 17850 | 20230 | 20230 |
|                               | E,U     | mm | 11900 | 11900 | 13090 | 13090 | 14280 | 15470 | 16660 | 16660 | 17850 | 17850 | 19040 | -     | -     | -     |
|                               | N       | mm | 13090 | 15470 | 16660 | 17850 | 19040 | 19040 | 19040 | 20230 | -     | -     | -     | -     | -     | -     |

For transport reasons, the units with the depth of more than 13090 mm are shipped separately. For more information, please refer to the technical manual and / or installation.

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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