

RC GREEN

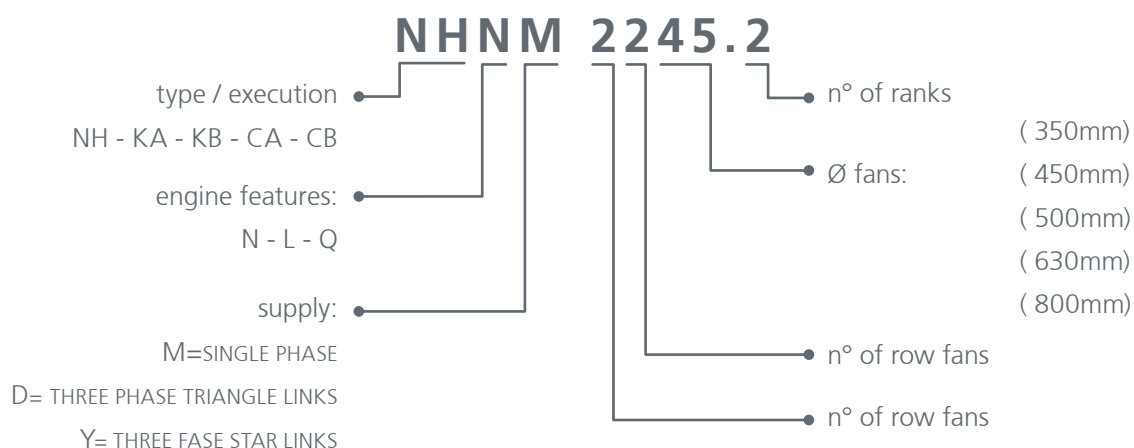
Remote condenser, 7-680 kW



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EXAMPLE OF NOMENCLATURE



PRODUCT DESCRIPTION

GENERAL INFORMATION AND APPLICATION

The new generation of remote condensers RC-GREEN is a competitive line of heat exchangers of rugged construction, high rigidity, with an extended power range to meet the various requirements in terms of efficient condensation heat removal.

RC-GREEN offers excellent performance even at low air flow, allowing for easy site installation and integration with other components. The highly efficient fan motors combine with excellent acoustics and low power consumption.

The remote condensers RC-GREEN can conveniently be used both for comfort and technological/industrial applications

COIL

An innovative design based on copper tubes and high turbulence aluminum fin provides high efficiency, excellent heat transfer with a minimum charge of refrigerant.

The circuit design is optimized for use with refrigerant R410A

STRUCTURE

The coil chassis is made of galvanized steel and the condenser external structure is pre-coated galvanized steel and pre-painted aluminum with an epoxy finish color RAL9010 (white).

FAN MOTORS

High efficiency fans with innovative polymeric material blades and low energy consumption.

Depending on the model, the fan diameter varies from 350 to 800mm arranged in single or double row and the supply voltage can be 230V/1~/50Hz or 400V/3~/ 50H.

The units can be chosen with multiple noise levels to best suit specific application needs.

Degree of protection IP 54 according to DIN 40050.

ELECTRICAL CONNECTIONS

All units are equipped with an IP65 mains switch, wired to the fan motors.

PACKAGING

The condensers are packed in wooden crates.

OPTIONS

- Pre-painted aluminum fins
- Coil with general corrosion treatment
- Copper / copper coil
- Fans speed control

CERTIFICATION

All products are CE marked.

TECHNICAL DATA RC GREEN SINGLE PHASE

| Unit size | | | NHNM 1135.3 | NHNM 1135.5 | NHNM 1145.2 | NHNM 1145.3 | NHNM 1145.4 | NHNM 1245.2 | NHNM 1245.3 |
|-------------------------------|-----|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | |
| Heat rejection | (1) | kW | 7,5 | 8,6 | 13,9 | 17,5 | 19,7 | 27,7 | 35,3 |
| Fans | | | | | | | | | |
| Quantity | | n° | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Diameter | | mm | 350 | 350 | 450 | 450 | 450 | 450 | 450 |
| Speed | | rpm | 1400 | 1400 | 1310 | 1310 | 1310 | 1310 | 1310 |
| Air flow | | m³/h | 2.300 | 1.900 | 5.900 | 5.500 | 5.200 | 11.800 | 11.000 |
| Sound level | | | | | | | | | |
| Sound power value | (2) | dB(A) | 70 | 70 | 72 | 72 | 72 | 75 | 75 |
| Sound pressure value | (3) | dB(A) | 39 | 39 | 41 | 41 | 41 | 44 | 44 |
| Weight and connections | | | | | | | | | |
| Operating weight | | kg | 15 | 19 | 31 | 34 | 37 | 56 | 62 |
| Internal volume | | dm³ | 1 | 2 | 2 | 3 | 3 | 2 | 5 |
| Connections | | mm | 18/16 | 18/16 | 18/16 | 18/16 | 18/16 | 18/16 | 22/18 |
| Electrical data | | | | | | | | | |
| Total power input | | kW | 0,13 | 0,13 | 0,49 | 0,49 | 0,49 | 0,98 | 0,98 |
| Total current input | | A | 0,58 | 0,58 | 2,36 | 2,36 | 2,36 | 4,72 | 4,72 |
| Supply | | V/ph/Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz |

| Unit size | | | NHNM 1245.4 | NHNM 1245. | NHNM 2335.3 | NHNM 2245.2 | NHNM 2245.3 | NHNM 2245.4 |
|-------------------------------|-----|---------|----------------|---------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | |
| Heat rejection | (1) | kW | 39,6 | 42,1 | 45,8 | 56,1 | 70,6 | 79,2 |
| Fans | | | | | | | | |
| Quantity | | n° | 2 | 2 | 6 | 4 | 4 | 4 |
| Diameter | | mm | 450 | 450 | 350 | 450 | 450 | 450 |
| Speed | | rpm | 1310 | 1310 | 1400 | 1310 | 1310 | 1310 |
| Air flow | | m³/h | 10.400 | 9.800 | 13.800 | 23.600 | 22.000 | 20.800 |
| Sound level | | | | | | | | |
| Sound power value | (2) | dB(A) | 75 | 75 | 78 | 78 | 78 | 78 |
| Sound pressure value | (3) | dB(A) | 44 | 44 | 47 | 46 | 46 | 46 |
| Weight and connections | | | | | | | | |
| Operating weight | | kg | 68 | 74 | 82 | 115 | 125 | 140 |
| Internal volume | | dm³ | 7 | 8 | 7 | 7 | 10 | 14 |
| Connections | | mm | 22/18 | 22/18 | 22/18 | 22/18 | 28/22 | 28/22 |
| Electrical data | | | | | | | | |
| Total power input | | kW | 0,98 | 0,98 | 0,78 | 1,96 | 1,96 | 1,96 |
| Total current input | | A | 4,72 | 4,72 | 3,48 | 9,44 | 9,44 | 9,44 |
| Supply | | V/ph/Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

(4) Operation allowed within +/-5% of rated value

TECHNICAL DATA RC GREEN /LN SINGLE PHASE

| Unit size | | | NHLM 1135.5 | NHLM 1145.2 | NHLM 1145.4 | NHLM 1150.4 | NHLM 1245.2 | NHLM 1245.3 |
|-------------------------------|-----|---------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | |
| Heat rejection | (1) | kW | 6,6 | 11,4 | 15,1 | 17,2 | 22,9 | 28,0 |
| Fans | | | | | | | | |
| Quantity | | n° | 1 | 1 | 1 | 1 | 2 | 2 |
| Diameter | | mm | 350 | 450 | 450 | 500 | 450 | 450 |
| Speed | | rpm | 945 | 900 | 900 | 915 | 900 | 900 |
| Air flow | | m³/h | 1.300 | 4.000 | 3.400 | 4.100 | 8.000 | 7.400 |
| Sound level | | | | | | | | |
| Sound power value | (2) | dB(A) | 60 | 65 | 65 | 66 | 68 | 68 |
| Sound pressure value | (3) | dB(A) | 29 | 34 | 34 | 35 | 37 | 37 |
| Weight and connections | | | | | | | | |
| Operating weight | | kg | 19 | 31 | 37 | 44 | 56 | 62 |
| Internal volume | | dm³ | 2 | 2 | 3 | 3 | 2 | 5 |
| Connections | | mm | 18/16 | 18/16 | 18/16 | 18/16 | 18/16 | 22/18 |
| Electrical data | | | | | | | | |
| Total power input | | kW | 0,07 | 0,19 | 0,19 | 0,27 | 0,38 | 0,38 |
| Total current input | | A | 0,31 | 0,86 | 0,86 | 1,18 | 1,72 | 1,72 |
| Supply | (4) | V/ph/Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz |

| Unit size | | | NHLM 1245.4 | NHLM 1250.5 | NHLM 2245.2 | NHLM 2245.3 | NHLM 2245.4 | |
|-------------------------------|-----|---------|----------------|----------------|----------------|----------------|----------------|--|
| Capacity | | | | | | | | |
| Heat rejection | (1) | kW | 30,4 | 36,0 | 45,9 | 55,9 | 59,2 | |
| Fans | | | | | | | | |
| Quantity | | n° | 2 | 2 | 4 | 4 | 4 | |
| Diameter | | mm | 450 | 500 | 450 | 450 | 450 | |
| Speed | | rpm | 900 | 915 | 900 | 900 | 900 | |
| Air flow | | m³/h | 6.800 | 7.600 | 16.000 | 14.800 | 13.600 | |
| Sound level | | | | | | | | |
| Sound power value | (2) | dB(A) | 68 | 69 | 71 | 71 | 71 | |
| Sound pressure value | (3) | dB(A) | 37 | 38 | 39 | 39 | 39 | |
| Weight and connections | | | | | | | | |
| Operating weight | | kg | 68 | 88 | 115 | 125 | 140 | |
| Internal volume | | dm³ | 7 | 8 | 7 | 10 | 14 | |
| Connections | | mm | 22/18 | 22/18 | 22/18 | 28/22 | 28/22 | |
| Electrical data | | | | | | | | |
| Total power input | | kW | 0,38 | 0,54 | 0,76 | 0,76 | 0,76 | |
| Total current input | | A | 1,72 | 2,36 | 3,44 | 3,44 | 3,44 | |
| Supply | (4) | V/ph/Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz | |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

(4) Operation allowed within +/-5% of rated value

TECHNICAL DATA RC GREEN /SLN SINGLE PHASE

| Unit size | | | NHQM 2245.2 | NHQM 2245.3 | NHQM 2245.4 |
|-------------------------------|-----|-------------------|----------------|----------------|----------------|
| Capacity | | | | | |
| Heat rejection | (1) | kW | 38,7 | 45,7 | 49,8 |
| Fans | | | | | |
| Quantity | | n° | 4 | 4 | 4 |
| Diameter | | mm | 450 | 450 | 450 |
| Speed | | rpm | 720 | 720 | 720 |
| Air flow | | m ³ /h | 12.000 | 11.200 | 10.400 |
| Sound level | | | | | |
| Sound power value | (2) | dB(A) | 68 | 68 | 68 |
| Sound pressure value | (3) | dB(A) | 36 | 36 | 36 |
| Weight and connections | | | | | |
| Operating weight | | kg | 115 | 125 | 140 |
| Internal volume | | dm ³ | 7 | 10 | 14 |
| Connections | | mm | 22/18 | 28/22 | 28/22 |
| Electrical data | | | | | |
| Total power input | | kW | 0,48 | 0,48 | 0,48 |
| Total current input | | A | 2,12 | 2,12 | 2,12 |
| Supply | (4) | V/ph/Hz | 230V/1~/50Hz | 230V/1~/50Hz | 230V/1~/50Hz |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

(4) Operation allowed within +/-5% of rated value

TECHNICAL DATA RC GREEN THREE-PHASE

| Unit size | | | KAND 1363.3 | KAND 1463.2 | KAND 1463.3 | KAND 1463.4 | KAND 1563.3 | KAND 1380.2 | KAND 1380.3 | KAND 1380.4 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 107,5 | 121,7 | 146,3 | 157,5 | 176,2 | 187,2 | 231,2 | 266,8 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 3 | 4 | 4 | 4 | 5 | 3 | 3 | 3 |
| Diameter | | mm | 630 | 630 | 630 | 630 | 630 | 800 | 800 | 800 |
| Speed | | rpm | 890 | 890 | 890 | 890 | 890 | 895 | 895 | 895 |
| Air flow | | m³/h | 26.700 | 38.400 | 35.600 | 33.600 | 45.000 | 66.000 | 62.400 | 59.100 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 74 | 76 | 76 | 76 | 77 | 84 | 84 | 84 |
| Sound pressure value | (3) | dB(A) | 43 | 44 | 44 | 44 | 45 | 52 | 52 | 52 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 280 | 344 | 371 | 399 | 455 | 625 | 667 | 711 |
| Internal volume | | dm³ | 22 | 20 | 30 | 40 | 37 | 29 | 43 | 57 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Connections | | mm | 35/28 | 28/22 | 35/28 | 42/35 | 54/42 | 42/35 | 54/42 | 42/35 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 1,80 | 2,40 | 2,40 | 2,40 | 3,00 | 6,00 | 6,00 | 6,00 |
| Total current input | | A | 3,60 | 4,80 | 4,80 | 4,80 | 6,00 | 12,60 | 12,60 | 12,60 |
| Supply | | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | CAND 1480.4 | CAND 1580.3 | CAND 1580.4 | KAND 2363.2 | KAND 2363.3 | KAND 2463.2 | KAND 2463.3 | KAND 2463.4 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 353,0 | 390,8 | 428,6 | 178,3 | 215,0 | 243,5 | 292,8 | 313,7 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 4 | 5 | 5 | 6 | 6 | 8 | 8 | 8 |
| Diameter | | mm | 800 | 800 | 800 | 630 | 630 | 630 | 630 | 630 |
| Speed | | rpm | 895 | 895 | 895 | 890 | 890 | 890 | 890 | 890 |
| Air flow | | m³/h | 78.000 | 103.500 | 98.000 | 57.300 | 53.700 | 76.400 | 71.600 | 67.600 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 84 | 85 | 85 | 78 | 78 | 79 | 79 | 79 |
| Sound pressure value | (3) | dB(A) | 52 | 53 | 53 | 46 | 46 | 47 | 47 | 47 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 910 | 1.065 | 1.131 | 456 | 498 | 604 | 659 | 719 |
| Internal volume | | dm³ | 98 | 92 | 122 | 30 | 44 | 40 | 59 | 79 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Connections | | mm | 54/42 | 76/54 | 76/54 | 28/22 | 35/28 | 28/22 | 35/28 | 42/35 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 8,00 | 10,00 | 10,00 | 3,60 | 3,60 | 4,80 | 4,80 | 4,80 |
| Total current input | | A | 16,80 | 21,00 | 21,00 | 7,20 | 7,20 | 9,60 | 9,60 | 9,60 |
| Supply | | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | KAND 2563.3 | KAND 2563.4 | KAND 2380.3 | KAND 2380.4 | KBND 2380.4 | CAND 2480.3 | CAND 2480.4 | |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 352,4 | 396,4 | 444,0 | 512,0 | 553,8 | 585,9 | 643,9 | |
| Fans | | | | | | | | | | |
| Quantity | | n° | 10 | 10 | 6 | 6 | 6 | 8 | 8 | |
| Diameter | | mm | 630 | 630 | 800 | 800 | 800 | 800 | 800 | |
| Speed | | rpm | 890 | 890 | 895 | 895 | 895 | 895 | 895 | |
| Air flow | | m³/h | 89.500 | 84.500 | 121.200 | 114.000 | 123.300 | 161.200 | 151.200 | |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 81 | 81 | 86 | 86 | 86 | 87 | 87 | |
| Sound pressure value | (3) | dB(A) | 49 | 49 | 54 | 54 | 54 | 55 | 55 | |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 814 | 879 | 1.058 | 1.138 | 1.291 | 1.367 | 1.475 | |
| Internal volume | | dm³ | 74 | 99 | 80 | 106 | 133 | 135 | 180 | |
| N° of refrigerant circuits | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Connections | | mm | 54/42 | 42/35 | 54/42 | 42/35 | 76/54 | 76/54 | 76/54 | |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 6,00 | 6,00 | 12,00 | 12,00 | 12,00 | 16,00 | 16,00 | |
| Total current input | | A | 12,00 | 12,00 | 25,20 | 25,20 | 25,20 | 33,60 | 33,60 | |
| Supply | | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

(4) Operation allowed within +/-5% of rated value

TECHNICAL DATA RC GREEN /LN THREE-PHASE

| Unit size | | | KANY 1363.2 | KANY 1363.3 | KANY 1463.2 | KANY 1463.3 | KANY 1463.4 | KANY 1563.3 | KANY 1563.4 | KANY 1380.3 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 77,9 | 91,0 | 106,2 | 123,8 | 129,6 | 156,7 | 163,4 | 207,4 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 3 |
| Diameter | | mm | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 800 |
| Speed | | rpm | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 705 |
| Air flow | | m³/h | 23.400 | 21.600 | 31.200 | 28.800 | 26.800 | 36.000 | 33.500 | 49.800 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 70 | 70 | 72 | 72 | 72 | 73 | 73 | 77 |
| Sound pressure value | (3) | dB(A) | 38 | 38 | 40 | 40 | 40 | 41 | 41 | 45 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 259 | 280 | 344 | 371 | 399 | 455 | 488 | 667 |
| Internal volume | | dm³ | 15 | 22 | 20 | 30 | 40 | 37 | 49 | 43 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Connections | | mm | 28/22 | 35/28 | 28/22 | 35/28 | 42/35 | 35/28 | 42/35 | 35/28 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 1,20 | 1,20 | 1,60 | 1,60 | 1,60 | 2,00 | 2,00 | 3,69 |
| Total current input | | A | 2,04 | 2,04 | 2,72 | 2,72 | 2,72 | 3,40 | 3,40 | 6,81 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | KANY 1380.4 | CBNY 1480.2 | CANY 1480.4 | CANY 1580.3 | KANY 2380.3 | KBNY 2380.3 | KANY 2363.3 | KANY 2463.2 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 218,8 | 250,9 | 291,4 | 332,9 | 377,2 | 432,3 | 187,1 | 212,6 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 8 |
| Diameter | | mm | 800 | 800 | 800 | 800 | 800 | 800 | 630 | 630 |
| Speed | | rpm | 705 | 705 | 705 | 705 | 705 | 705 | 690 | 690 |
| Air flow | | m³/h | 46.200 | 75.200 | 61.600 | 82.500 | 96.600 | 104.400 | 43.200 | 62.400 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 77 | 79 | 79 | 80 | 80 | 80 | 73 | 74 |
| Sound pressure value | (3) | dB(A) | 45 | 47 | 47 | 48 | 48 | 48 | 41 | 42 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 711 | 905 | 910 | 1.065 | 1.058 | 1.193 | 498 | 604 |
| Internal volume | | dm³ | 57 | 61 | 98 | 92 | 80 | 100 | 44 | 40 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Connections | | mm | 42/35 | 54/42 | 54/42 | 76/54 | 54/42 | 54/42 | 28/22 | 28/22 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 3,69 | 4,92 | 4,92 | 6,15 | 7,38 | 7,38 | 2,40 | 3,20 |
| Total current input | | A | 6,81 | 9,08 | 9,08 | 11,35 | 13,62 | 13,62 | 4,08 | 5,44 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | KANY 2463.3 | KANY 2463.4 | KANY 2563.3 | KANY 2563.4 | CANY 2480.3 | CANY 2480.4 | CBNY 2480.3 | CANY 2580.4 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 247,8 | 257,4 | 313,4 | 324,9 | 498,5 | 555,7 | 574,0 | 676,1 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 8 | 8 | 10 | 10 | 8 | 8 | 8 | 10 |
| Diameter | | mm | 630 | 630 | 630 | 630 | 800 | 800 | 800 | 800 |
| Speed | | rpm | 690 | 690 | 690 | 690 | 705 | 705 | 705 | 705 |
| Air flow | | m³/h | 57.600 | 53.200 | 72.000 | 66.500 | 128.000 | 118.400 | 138.800 | 148.000 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 74 | 74 | 75 | 75 | 81 | 81 | 81 | 81 |
| Sound pressure value | (3) | dB(A) | 42 | 42 | 43 | 43 | 49 | 49 | 48 | 48 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 659 | 719 | 814 | 879 | 1.367 | 1.475 | 1.566 | 1.818 |
| Internal volume | | dm³ | 59 | 79 | 74 | 99 | 135 | 180 | 169 | 180 |
| N° of refrigerant circuits | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Connections | | mm | 35/28 | 42/35 | 35/28 | 42/35 | 76/54 | 54/42 | 76/54 | 76/54 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 3,20 | 3,20 | 4,00 | 4,00 | 9,84 | 9,84 | 9,84 | 12,30 |
| Total current input | | A | 5,44 | 5,44 | 6,80 | 6,80 | 18,16 | 18,16 | 18,16 | 22,70 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

(4) Operation allowed within +/-5% of rated value

TECHNICAL DATA RC GREEN /SLN THREE-PHASE

| Unit size | | | KALY 1363.2 | KALY 1363.3 | KALY 1463.2 | KALY 1463.3 | KALY 1563.2 | KALY 1563.3 | KALY 1380.2 | KALY 1380.3 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 64,8 | 72,3 | 85,7 | 95,8 | 108,4 | 121,0 | 132,8 | 153,1 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 3 | 3 | 4 | 4 | 5 | 5 | 3 | 3 |
| Diameter | | mm | 630 | 630 | 630 | 630 | 630 | 630 | 800 | 800 |
| Speed | | rpm | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 |
| Air flow | | m³/h | 17.100 | 15.600 | 22.800 | 20.800 | 28.500 | 26.000 | 35.800 | 33.600 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 64 | 64 | 66 | 66 | 67 | 67 | 70 | 70 |
| Sound pressure value | (3) | dB(A) | 32 | 32 | 34 | 34 | 35 | 35 | 38 | 38 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 259 | 280 | 344 | 371 | 419 | 455 | 685 | 727 |
| Internal volume | | dm³ | 15 | 22 | 20 | 30 | 25 | 37 | 29 | 43 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Connections | | mm | 22/18 | 28/22 | 28/22 | 35/28 | 28/22 | 35/28 | 35/28 | 35/28 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 0,57 | 0,57 | 0,76 | 0,76 | 0,95 | 0,95 | 1,50 | 1,50 |
| Total current input | | A | 1,17 | 1,17 | 1,56 | 1,56 | 1,95 | 1,95 | 3,06 | 3,06 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | CALY 1480.2 | CALY 1480.3 | CALY 1580.3 | KALY 2380.3 | CALY 2480.2 | CALY 2480.3 | CALY 2580.3 | KALY 2463.3 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 177,5 | 203,1 | 247,0 | 294,9 | 340,0 | 392,1 | 476,6 | 193,1 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 4 | 4 | 5 | 6 | 8 | 8 | 10 | 8 |
| Diameter | | mm | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 630 |
| Speed | | rpm | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 |
| Air flow | | m³/h | 47.600 | 44.400 | 55.500 | 65.400 | 92.800 | 86.800 | 108.500 | 42.000 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 72 | 72 | 73 | 73 | 74 | 74 | 75 | 68 |
| Sound pressure value | (3) | dB(A) | 40 | 40 | 41 | 41 | 42 | 42 | 42 | 36 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 873 | 931 | 1.165 | 1.178 | 1.415 | 1.527 | 1.898 | 659 |
| Internal volume | | dm³ | 49 | 73 | 92 | 80 | 90 | 135 | 169 | 59 |
| N° of refrigerant circuits | | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Connections | | mm | 35/28 | 42/35 | 76/54 | 35/28 | 35/28 | 42/35 | 76/54 | 35/28 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 2,00 | 2,00 | 2,50 | 3,00 | 4,00 | 4,00 | 5,00 | 1,52 |
| Total current input | | A | 4,08 | 4,08 | 5,10 | 6,12 | 8,16 | 8,16 | 10,20 | 3,12 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

| Unit size | | | KALY 2563.2 | KALY 2563.3 | CAQD 2480.2 | CAQD 2480.3 | CALY 2580.4 | CALY 2680.3 | CALY 2680.4 | CALY 2780.3 |
|-------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity | | | | | | | | | | |
| Heat rejection | (1) | kW | 217,1 | 244,0 | 304,7 | 344,0 | 495,8 | 579,0 | 600,9 | 681,5 |
| Fans | | | | | | | | | | |
| Quantity | | n° | 10 | 10 | 8 | 8 | 10 | 12 | 12 | 14 |
| Diameter | | mm | 630 | 630 | 800 | 800 | 800 | 800 | 800 | 800 |
| Speed | | rpm | 520 | 520 | 435 | 435 | 520 | 520 | 520 | 520 |
| Air flow | | m³/h | 57.000 | 52.500 | 79.400 | 73.600 | 101.500 | 130.200 | 121.800 | 151.900 |
| Sound level | | | | | | | | | | |
| Sound power value | (2) | dB(A) | 68 | 68 | 70 | 70 | 75 | 76 | 76 | 77 |
| Sound pressure value | (3) | dB(A) | 36 | 36 | 38 | 38 | 42 | 43 | 43 | 44 |
| Weight and connections | | | | | | | | | | |
| Operating weight | | kg | 742 | 814 | 1.420 | 1.367 | 2.018 | 2.249 | 2.409 | 2.626 |
| Internal volume | | dm³ | 49 | 74 | 90 | 135 | 225 | 203 | 270 | 237 |
| N° of refrigerant circuits | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Connections | | mm | 28/22 | 35/28 | 35/28 | 42/35 | 76/54 | 76/54 | 76/54 | 76/54 |
| Electrical data | | | | | | | | | | |
| Total power input | | kW | 1,90 | 1,90 | 2,88 | 2,88 | 5,00 | 6,00 | 6,00 | 7,00 |
| Total current input | | A | 3,90 | 3,90 | 8,96 | 8,96 | 10,20 | 12,24 | 12,24 | 14,28 |
| Supply | (4) | V _{ph} /Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz | 400V/3~/50Hz |

(1) Saturated condensing temperature 50°C; ambient temperature 35°C

(2) Sound power levels calculated according to ISO 3744

(3) Sound pressure levels referred to 10 m distance in free field

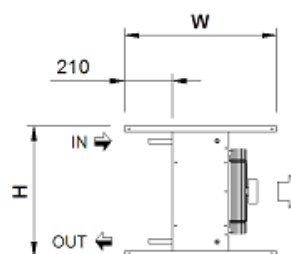
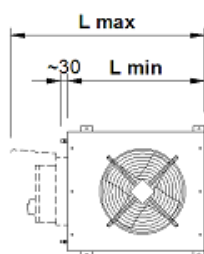
(4) Operation allowed within +/-5% of rated value

DIMENSIONAL DATA RC GREEN SINGLE PHASE

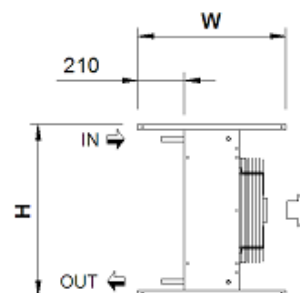
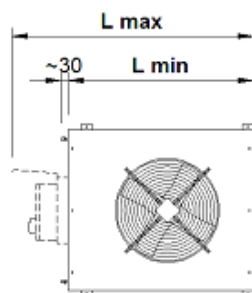
| Model | Fans n° | L max mm | L min mm | H mm | W mm |
|-------------|------------|-------------|-------------|---------|---------|
| NH_M 1135._ | 1 | 860 | 610 | 560 | 670 |
| NH_M 1145._ | 1 | 1100 | 840 | 760 | 670 |
| NH_M 1150._ | 1 | 1100 | 840 | 760 | 670 |
| NH_M 1245._ | 2 | 1800 | 1540 | 760 | 670 |
| NH_M 1250._ | 2 | 1800 | 1540 | 760 | 670 |
| NH_M 2335._ | 6 | 1800 | 1540 | 1060 | 670 |
| NH_M 2245._ | 4 | 1800 | 1540 | 1460 | 670 |

For models with heat pump distributor additions and expansion valve may not ensure full compliance with the dimensions shown

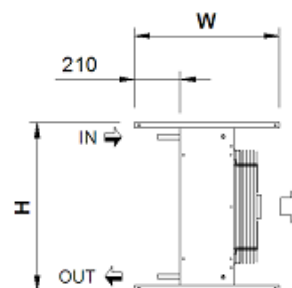
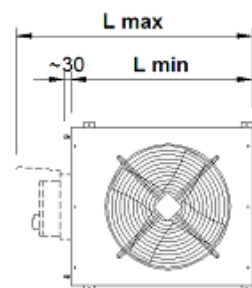
NH_M 1135._



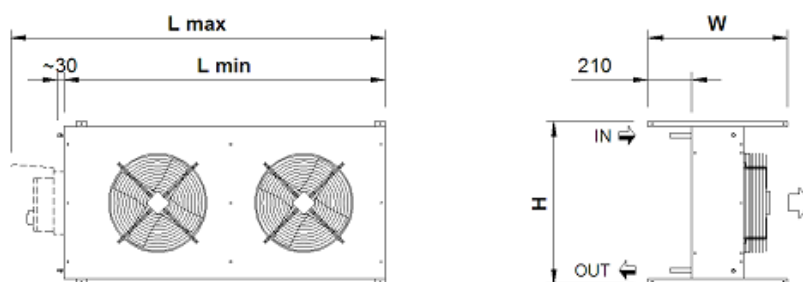
NH_M 1145._



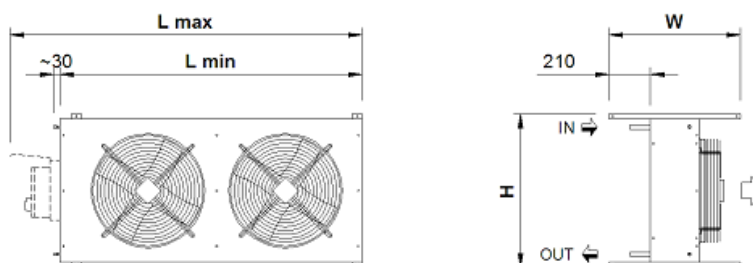
NH_M 1150._



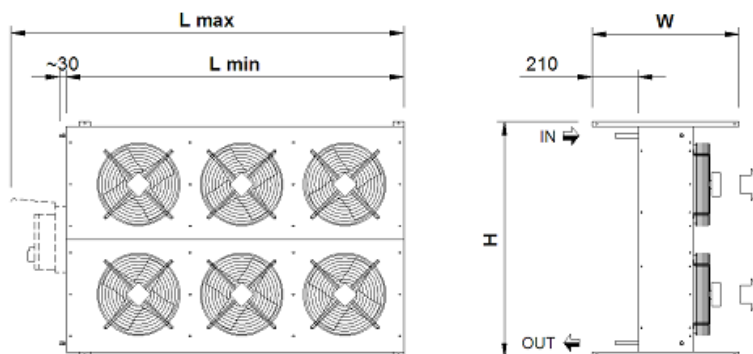
NH_M 1245._



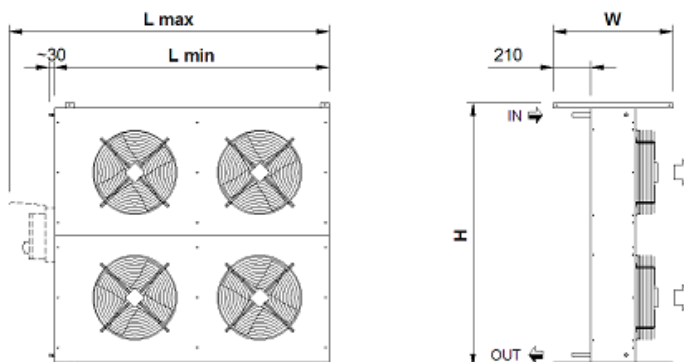
NH_M 1250._



NH_M 2335._



NH_M 2245._

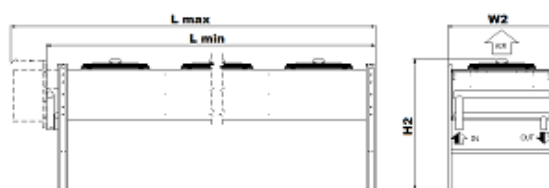
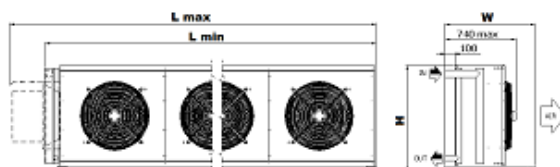


DIMENSIONAL DATA RC GREEN THREE-PHASE

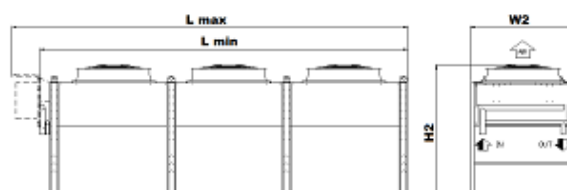
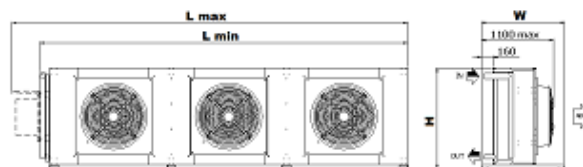
| Model | Fans n° | L max mm | L min mm | H mm | W mm | H2 mm | W2 mm |
|-----------|------------|-------------|-------------|---------|---------|----------|----------|
| KA__ 1363 | 3 | 3620 | 3260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1463 | 4 | 4620 | 4260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1563 | 5 | 5620 | 5260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1380 | 3 | 5500 | 5110 | 1410 | 1160 | 1740 | 1470 |
| KA__ 2363 | 6 | 3620 | 3260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2463 | 8 | 4620 | 4260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2563 | 10 | 5620 | 5260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2380 | 6 | 5500 | 5110 | 2400 | 1160 | 1740 | 2460 |
| KB__ 2380 | 6 | 6700 | 6310 | 2400 | 1160 | 1740 | 2460 |
| CA__ 1480 | 4 | 7100 | 6710 | 1410 | 1160 | 1740 | 1470 |
| CA__ 1580 | 5 | 8700 | 8310 | 1410 | 1160 | 1740 | 1470 |
| CB__ 1480 | 4 | 8700 | 8310 | 1410 | 1160 | 1740 | 1470 |
| CB__ 2480 | 8 | 8700 | 8310 | 2400 | 1160 | 1740 | 2400 |
| CA__ 2480 | 8 | 7100 | 6710 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2580 | 10 | 8700 | 8310 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2680 | 12 | 10300 | 9910 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2780 | 14 | 11900 | 11510 | 2400 | 1160 | 1740 | 2460 |

For models with heat pump distributor additions and expansion valve may not ensure full compliance with the dimensions shown

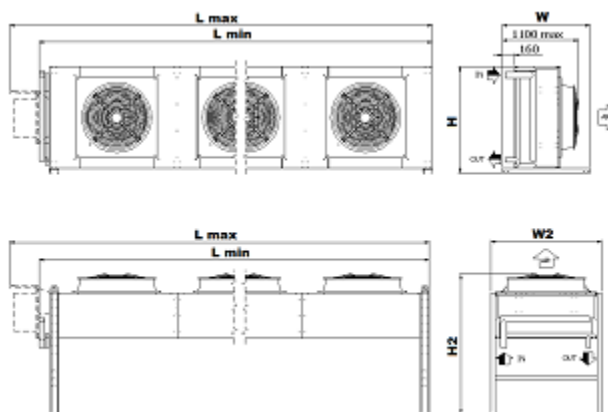
KA__ 1363
KA__ 1463
KA__ 1563



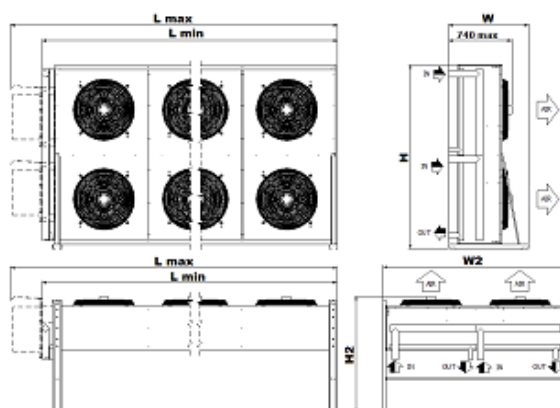
KA__ 1380



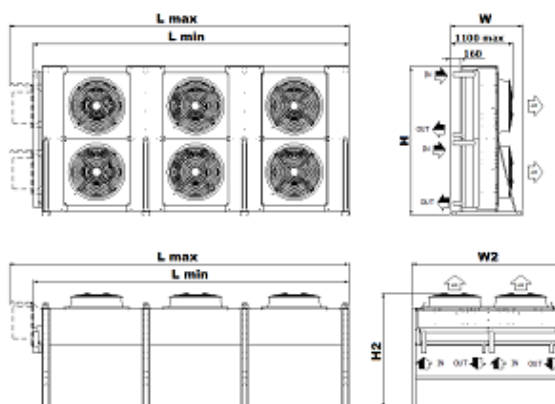
CA__ 1480
CA__ 1580



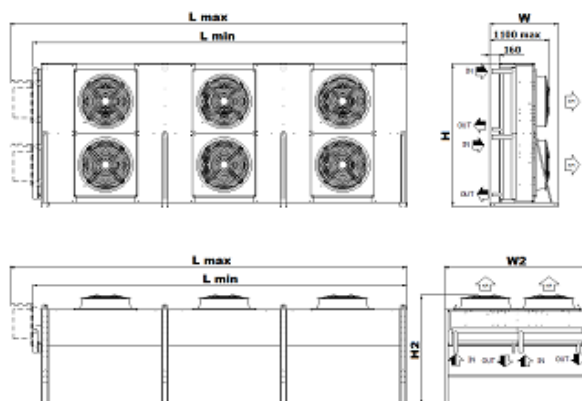
KA__ 2363
KA__ 2463
KA__ 2563



KA__ 2380



KB__ 2380

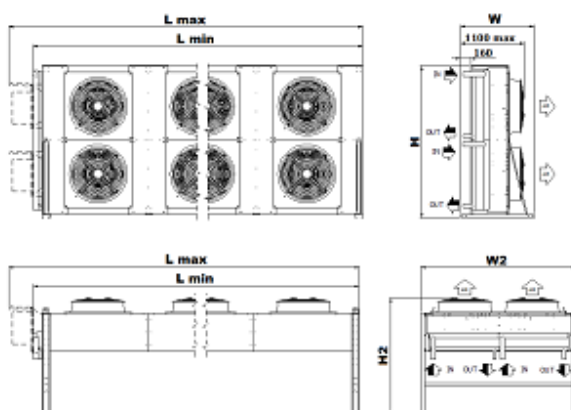


DIMENSIONAL DATA RC GREEN THREE-PHASE

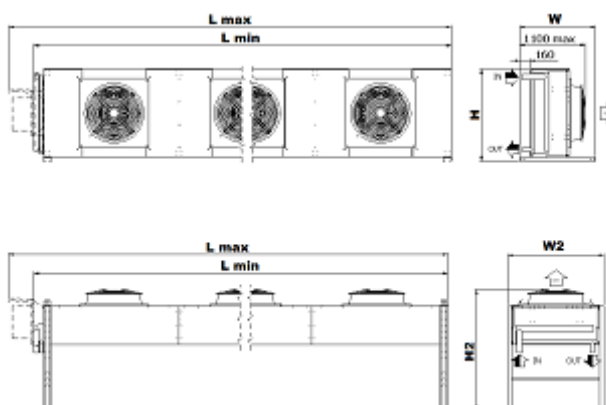
| Model | Fans n° | L max mm | L min mm | H mm | W mm | H2 mm | W2 mm |
|-----------|------------|-------------|-------------|---------|---------|----------|----------|
| KA__ 1363 | 3 | 3620 | 3260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1463 | 4 | 4620 | 4260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1563 | 5 | 5620 | 5260 | 1060 | 900 | 1340 | 1080 |
| KA__ 1380 | 3 | 5500 | 5110 | 1410 | 1160 | 1740 | 1470 |
| KA__ 2363 | 6 | 3620 | 3260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2463 | 8 | 4620 | 4260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2563 | 10 | 5620 | 5260 | 2060 | 900 | 1340 | 2080 |
| KA__ 2380 | 6 | 5500 | 5110 | 2400 | 1160 | 1740 | 2460 |
| KB__ 2380 | 6 | 6700 | 6310 | 2400 | 1160 | 1740 | 2460 |
| CA__ 1480 | 4 | 7100 | 6710 | 1410 | 1160 | 1740 | 1470 |
| CA__ 1580 | 5 | 8700 | 8310 | 1410 | 1160 | 1740 | 1470 |
| CB__ 1480 | 4 | 8700 | 8310 | 1410 | 1160 | 1740 | 1470 |
| CB__ 2480 | 8 | 8700 | 8310 | 2400 | 1160 | 1740 | 2400 |
| CA__ 2480 | 8 | 7100 | 6710 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2580 | 10 | 8700 | 8310 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2680 | 12 | 10300 | 9910 | 2400 | 1160 | 1740 | 2460 |
| CA__ 2780 | 14 | 11900 | 11510 | 2400 | 1160 | 1740 | 2460 |

For models with heat pump distributor additions and expansion valve may not ensure full compliance with the dimensions shown

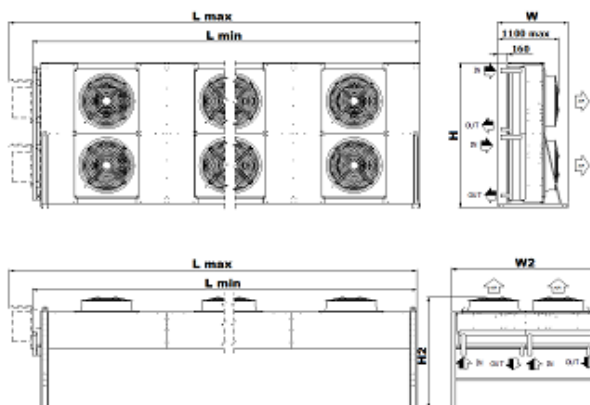
CA__ 2480
CA__ 2580
CA__ 2680
CA__ 2780



CB__ 1480



CB__2480





60278000102_05-2013_RC Green