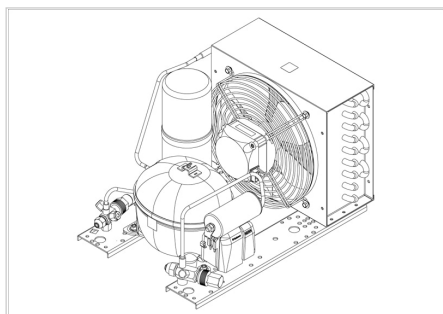




**APPROVALS**



 **ENGINEERING CODE**

594RA5212AA

 **APPROVED REFRIGERANT**

R134a

 **POWER SUPPLY**

220 - 240V 50Hz ~

 **STANDARD CONDITIONS**

EN13215\_RG20

 **APPLICATION**

M/HBP

 **COOLING CAPACITY**

433 W

 **EFFICIENCY**

1.66 W/W

**DATA**

**General Data**

|              |                   |
|--------------|-------------------|
| Weight       | 15.5 Kg           |
| Receiver     | 1.1 L             |
| Height       | 254 mm            |
| Length       | 435 mm            |
| Width        | 300 mm            |
| Power Supply | 220 - 240 V 50 Hz |

**Electrical Data**

|                             |        |
|-----------------------------|--------|
| Motor Type                  | CSIR   |
| Locked Rotor Amperage (LRA) | 10.4 A |
| Max Current                 | 2.13 A |

Spare Parts

|                 |                |             |
|-----------------|----------------|-------------|
| Valve Suction   | FLARE 3/8"     | 2110024     |
| Valve Discharge | FLARE 1/4"     | 2110025     |
| Condenser       | 3R9T           | 2451205     |
| Fan Kit         | 10W 230/31/5B  | 1996580     |
| Compressor      | EMT6170Z       | 194RA67..AR |
| Electrical Kit  | ELCOM EMT6170Z | 194RA67F0A  |

Noise Data

|                      |             |             |             |
|----------------------|-------------|-------------|-------------|
| Sound Power Level    | 61.1 dB (A) | -           | -           |
| Sound Pressure Level | at 1 m      | at 5 m      | at 10 m     |
|                      | 53.1 dB (A) | 39.1 dB (A) | 33.1 dB (A) |

Fan Motor

|                |          |
|----------------|----------|
| Number         | 1        |
| Shaft Power    | 10 W     |
| Air Flow       | 420 m³/h |
| Blade diameter | 230 mm   |

PERFORMANCE

Rated Points

| Ambient Temperature | Cooling Capacity | Power Consumption | Current | Efficiency |
|---------------------|------------------|-------------------|---------|------------|
| 32.00°C             | 433 W            | 261 W             | 1.88 A  | 1.66 W/W   |

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 20 °C, Subcooling 3K

Performance Curve Data

Ambient Temperature 25°C

| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -15                        | 365                | 231                 | 1.8       | 1.58           |
| -10                        | 461                | 255                 | 1.86      | 1.81           |
| -5                         | 561                | 284                 | 1.94      | 1.97           |
| 0                          | 666                | 317                 | 2.04      | 2.1            |
| 5                          | 776                | 354                 | 2.16      | 2.19           |
| 10                         | 894                | 396                 | 2.3       | 2.26           |

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 25.00°C, Return Gas 20 °C, Subcooling 3K

Ambient Temperature 32°C

| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -15                        | 351                | 238                 | 1.83      | 1.48           |
| -10                        | 433                | 261                 | 1.88      | 1.66           |
| -5                         | 522                | 289                 | 1.95      | 1.8            |
| 0                          | 618                | 322                 | 2.05      | 1.92           |
| 5                          | 722                | 359                 | 2.17      | 2.01           |
| 10                         | 835                | 400                 | 2.31      | 2.09           |

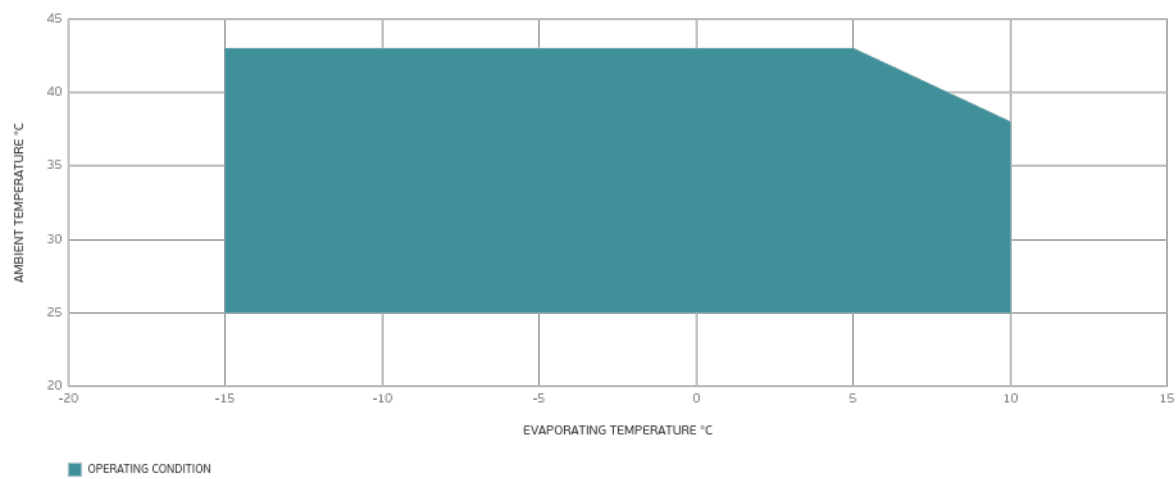
Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 32.00°C, Return Gas 20 °C, Subcooling 3K

Ambient Temperature 43°C

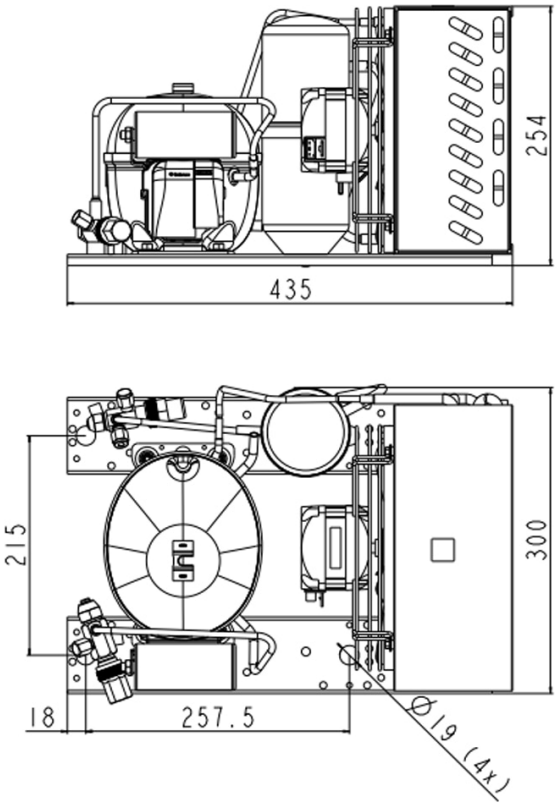
| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -15                        | 284                | 247                 | 1.83      | 1.15           |
| -10                        | 350                | 273                 | 1.89      | 1.28           |
| -5                         | 426                | 305                 | 1.98      | 1.4            |
| 0                          | 512                | 341                 | 2.1       | 1.5            |
| 5                          | 610                | 382                 | 2.24      | 1.6            |
| 10                         | 720                | 427                 | 2.4       | 1.69           |

Test Condition EN13215\_RG20: Evaporating temp. -10.00°C, Ambient temp. 43.00°C, Return Gas 20 °C, Subcooling 3K

Operating Envelope



External Dimensions



Wiring Diagram

