



APPROVALS



 **ENGINEERING CODE**
594HA0012AA

 **APPROVED REFRIGERANT**
R290

 **POWER SUPPLY**
220 - 240V 50Hz ~

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
M/HBP

 **COOLING CAPACITY**
634 W

 **EFFICIENCY**
2.52 W/W

DATA

General Data

| | |
|---------------------|-------------------|
| Weight | 14.9 Kg |
| Height | 226 mm |
| Length | 430 mm |
| Width | 290 mm |
| Power Supply | 220 - 240 V 50 Hz |

Electrical Data

| | |
|------------------------------------|--------|
| Motor Type | CSIR |
| Locked Rotor Amperage (LRA) | 7.7 A |
| Max Current | 1.54 A |

Spare Parts

| | | |
|-----------------------|------------------|-------------|
| Fan Kit | IQ3612 200/28/5B | 1996701 |
| Condenser | 3R8T | 2451204 |
| Compressor | EMT6144U | 872HA67..AR |
| Electrical Kit | ELCOM EMT6144U | 872HA6764A |

Fan Motor

| | |
|----------------|-----------------------|
| Number | 1 |
| Shaft Power | - |
| Air Flow | 300 m ³ /h |
| Blade diameter | 200 mm |

PERFORMANCE

Rated Points

| Ambient Temperature | Evaporating Temperature | Cooling Capacity | Power Consumption | Current | Efficiency |
|---------------------|-------------------------|------------------|-------------------|---------|------------|
| 32.00°C | 7.20°C | 634 W | 252 W | 1.52 A | 2.52 W/W |

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Performance Curve Data

Ambient Temperature 25°C

| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -20 | 281 | 174 | 1.2 | 1.62 |
| -15 | 343 | 184 | 1.25 | 1.86 |
| -5 | 487 | 209 | 1.35 | 2.33 |
| 0 | 568 | 223 | 1.4 | 2.55 |
| 5 | 656 | 237 | 1.46 | 2.76 |
| 7 | 698 | 244 | 1.48 | 2.86 |
| 10 | 752 | 253 | 1.51 | 2.98 |

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 25.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 32°C

| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -20 | 256 | 179 | 1.24 | 1.43 |
| -15 | 312 | 190 | 1.29 | 1.64 |
| -5 | 442 | 215 | 1.39 | 2.05 |
| 0 | 516 | 230 | 1.45 | 2.25 |
| 5 | 597 | 245 | 1.5 | 2.44 |
| 7 | 634 | 252 | 1.52 | 2.52 |
| 10 | 684 | 261 | 1.55 | 2.63 |

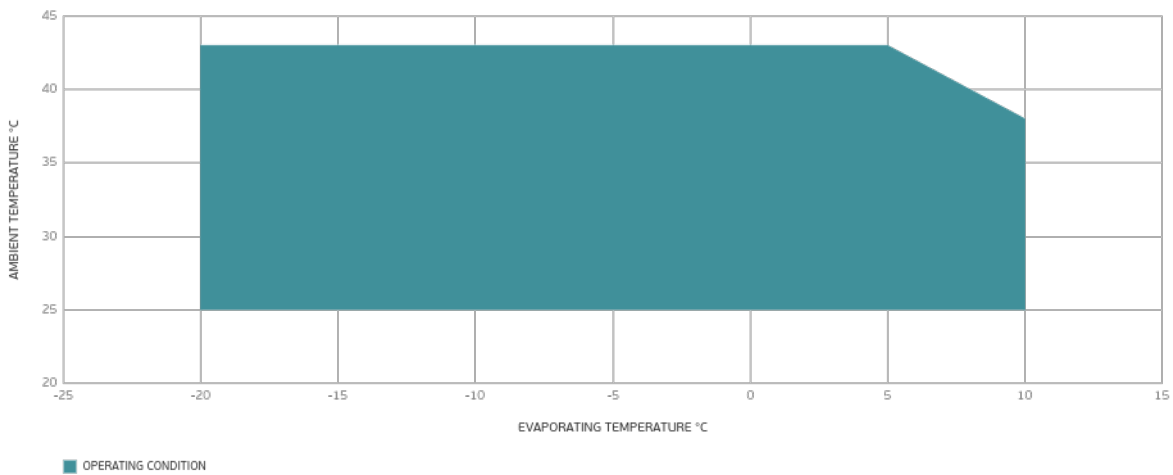
Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

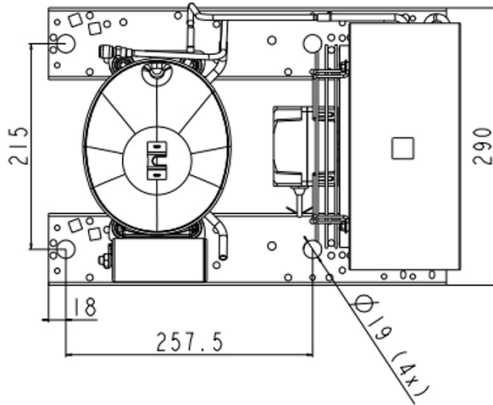
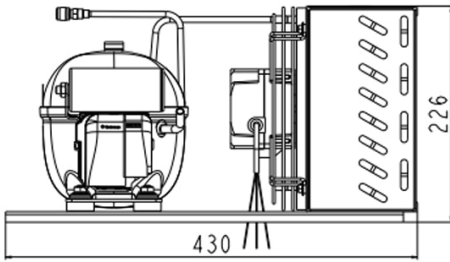
| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -20 | 217 | 190 | 1.31 | 1.14 |
| -15 | 265 | 201 | 1.36 | 1.32 |
| -5 | 376 | 228 | 1.47 | 1.65 |
| 0 | 440 | 244 | 1.53 | 1.81 |
| 5 | 509 | 260 | 1.59 | 1.96 |
| 7 | 542 | 267 | 1.62 | 2.03 |
| 10 | 586 | 276 | 1.65 | 2.12 |

Test Condition ASHRAE: Evaporating temp. 7.20°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

Operating Envelope



External Dimensions



Wiring Diagram

