

APPROVALS



ENGINEERING CODE
503DA5204AA

APPROVED REFRIGERANT
R404A

POWER SUPPLY
220 - 240V 50Hz ~

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
1131 W

EFFICIENCY
1.39 W/W

DATA

General Data

| | |
|---------------------|-------------------|
| Weight | 32.3 Kg |
| Receiver | 2.3 L |
| Height | 324 mm |
| Length | 494 mm |
| Width | 395 mm |
| Power Supply | 220 - 240 V 50 Hz |

Electrical Data

| | |
|------------------------------------|--------|
| Motor Type | CSR |
| Locked Rotor Amperage (LRA) | 35 A |
| Max Current | 4.21 A |

Spare Parts

| | | |
|------------------------|-----------------|-------------|
| Condenser | 3R12T | 2451140 |
| Fan Kit | 34W 275/31/5B | 1996583 |
| Valve Discharge | FLARE 3/8" | 2110056 |
| Compressor | NT2192GKV | 923DA09..AC |
| Electrical Kit | ELKOM NT2192GKV | 923DA0904AF |
| Valve Suction | FLARE 1/2" | 2110057 |

Noise Data

| | | | |
|----------------------|-------------|-------------|-------------|
| Sound Power Level | 67.7 dB (A) | - | - |
| Sound Pressure Level | at 1 m | at 5 m | at 10 m |
| | 59.7 dB (A) | 45.7 dB (A) | 39.7 dB (A) |

Fan Motor

| | |
|----------------|-----------------------|
| Number | 1 |
| Shaft Power | 34 W |
| Air Flow | 800 m ³ /h |
| Blade diameter | 275 mm |

PERFORMANCE

Rated Points

| Ambient Temperature | Cooling Capacity | Power Consumption | Efficiency |
|---------------------|------------------|-------------------|------------|
| 32.00°C | 1131 W | 813 W | 1.39 W/W |

Test Condition ASHRAE: Evaporating temp. -23.30°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 | Efficiency W/W |
|----------------------------|--------------------|---------------------|----------------|
| -40 | 512 | 538 | 0.95 |
| -30 | 931 | 678 | 1.37 |
| -25 | 1184 | 761 | 1.55 |
| -23 | 1275 | 792 | 1.61 |
| -20 | 1460 | 852 | 1.71 |
| -15 | 1756 | 947 | 1.85 |
| -10 | 2066 | 1047 | 1.97 |

Test Condition ASHRAE: Evaporating temp. -23.30°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 | Efficiency W/W |
|----------------------------|--------------------|---------------------|----------------|
| -40 | 482 | 542 | 0.89 |
| -30 | 831 | 692 | 1.2 |
| -25 | 1051 | 781 | 1.34 |
| -23 | 1131 | 813 | 1.39 |
| -20 | 1295 | 878 | 1.48 |
| -15 | 1559 | 980 | 1.59 |
| -10 | 1839 | 1087 | 1.69 |

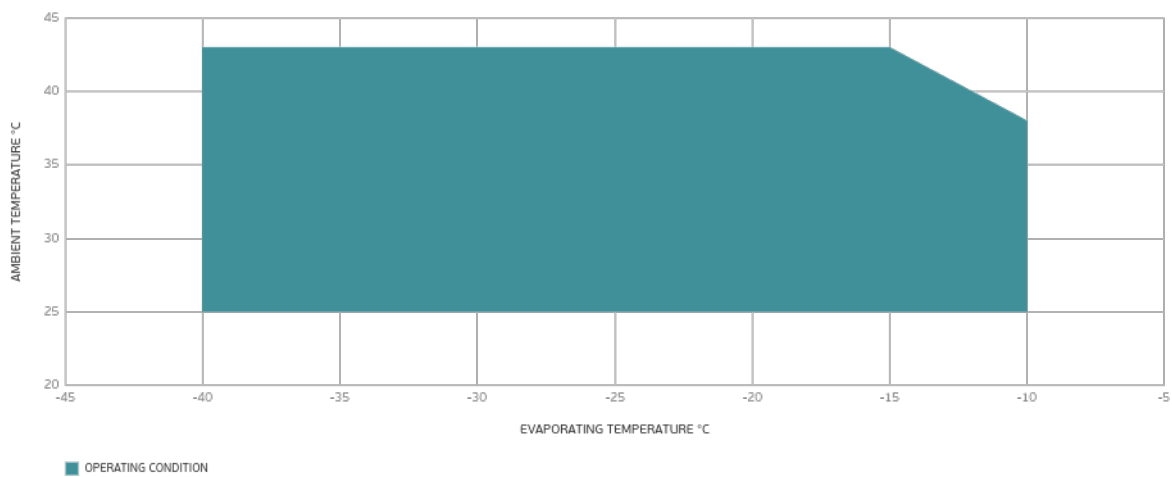
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

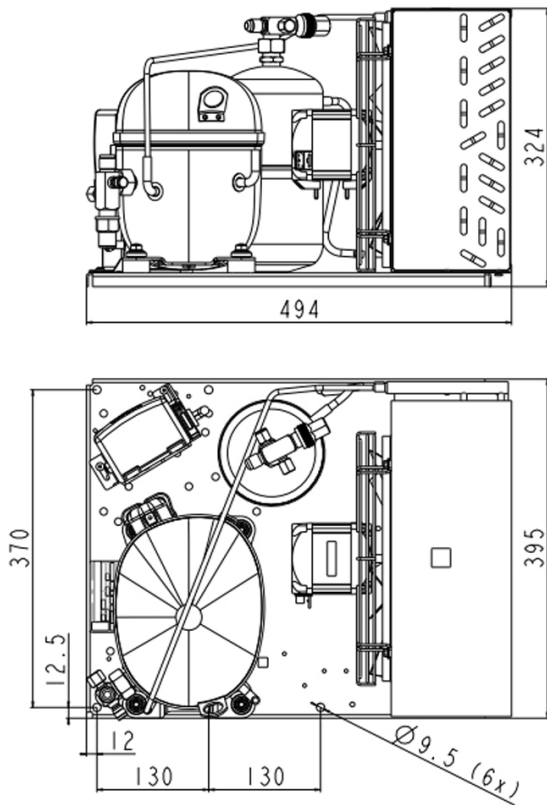
| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Efficiency W/W |
|----------------------------|--------------------|---------------------|----------------|
| -40 | 392 | 546 | 0.72 |
| -30 | 656 | 711 | 0.92 |
| -25 | 836 | 809 | 1.03 |
| -23 | 903 | 844 | 1.07 |
| -20 | 1042 | 915 | 1.14 |
| -15 | 1270 | 1028 | 1.23 |
| -10 | 1515 | 1147 | 1.32 |

Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 43.00°C, Return Gas 32 °C, Subcooling 3K

Operating Envelope



External Dimensions



Wiring Diagram

