



APPROVALS



 **ENGINEERING CODE**
503AA0612AA


 **APPROVED REFRIGERANT**
R290

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
972 W

 **EFFICIENCY**
1.45 W/W

DATA

General Data

| | |
|---------------------|-------------------|
| Weight | 28.6 Kg |
| Receiver | 1.2 L |
| Height | 296 mm |
| Length | 474 mm |
| Width | 340 mm |
| Power Supply | 220 - 240 V 50 Hz |

Electrical Data

| | |
|------------------------------------|-------|
| Motor Type | CSIR |
| Locked Rotor Amperage (LRA) | 35 A |
| Max Current | 4.8 A |

Spare Parts

| | | |
|-----------------|------------------|-------------|
| Fan Kit | IQ3612 254/28/5P | 1996703 |
| Valve Discharge | SOLDER 1/4" | 2110047 |
| Condenser | 4R11T | 2451217 |
| Valve Suction | SOLDER 3/8" | 2110049 |
| Compressor | NT2180U | 843AA09..AC |
| Electrical Kit | ELKOM NT2180U | 843AA0413A |

Fan Motor

| | |
|----------------|-----------------------|
| Number | 1 |
| Shaft Power | - |
| Air Flow | 595 m ³ /h |
| Blade diameter | 254 mm |

PERFORMANCE

Rated Points

| Ambient Temperature | Cooling Capacity | Power Consumption | Current | Efficiency |
|---------------------|------------------|-------------------|---------|------------|
| 32.00°C | 972 W | 670 W | 4.53 A | 1.45 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 | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -40 | 534 | 421 | 3.74 | 1.27 |
| -30 | 816 | 552 | 4.07 | 1.48 |
| -25 | 1000 | 624 | 4.3 | 1.6 |
| -23 | 1067 | 650 | 4.39 | 1.64 |
| -20 | 1203 | 703 | 4.58 | 1.71 |
| -15 | 1418 | 790 | 4.91 | 1.8 |
| -10 | 1636 | 887 | 5.28 | 1.84 |

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 | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -40 | 483 | 435 | 3.85 | 1.11 |
| -30 | 742 | 569 | 4.2 | 1.3 |
| -25 | 911 | 643 | 4.44 | 1.42 |
| -23 | 972 | 670 | 4.53 | 1.45 |
| -20 | 1096 | 724 | 4.72 | 1.51 |
| -15 | 1290 | 814 | 5.06 | 1.59 |
| -10 | 1485 | 915 | 5.45 | 1.62 |

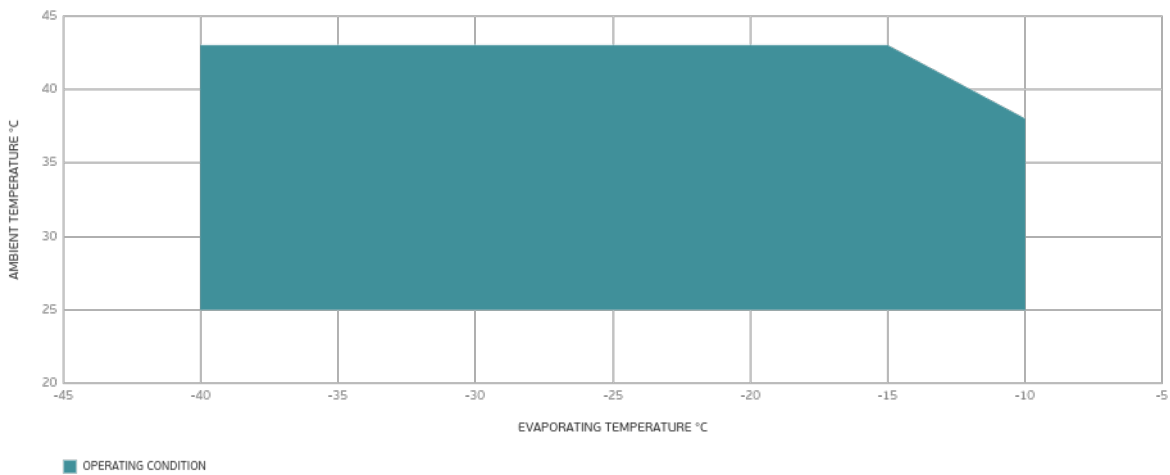
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

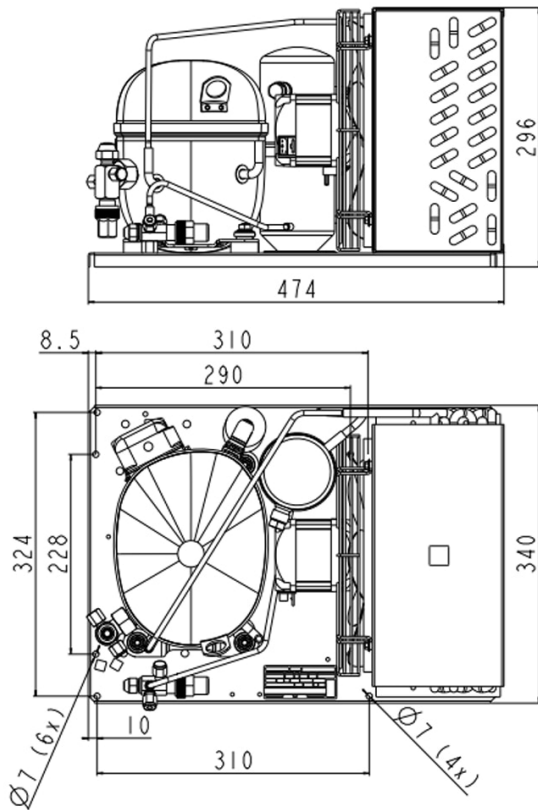
| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -40 | 408 | 429 | 3.85 | 0.95 |
| -30 | 638 | 580 | 4.25 | 1.1 |
| -25 | 787 | 663 | 4.51 | 1.19 |
| -23 | 841 | 693 | 4.62 | 1.21 |
| -20 | 949 | 755 | 4.83 | 1.26 |
| -15 | 1115 | 856 | 5.21 | 1.3 |
| -10 | 1279 | 969 | 5.64 | 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

