


APPROVALS




 **ENGINEERING CODE**
563IA0604AA

 **APPROVED REFRIGERANT**
R290

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
806 W

 **EFFICIENCY**
1.62 W/W

DATA

General Data

| | |
|---------------------|-------------------|
| Weight | 21.3 Kg |
| Receiver | 1.1 L |
| Height | 296 mm |
| Length | 494 mm |
| Width | 340 mm |
| Power Supply | 220 - 240 V 50 Hz |

Electrical Data

| | |
|------------------------------------|--------|
| Motor Type | CSR |
| Locked Rotor Amperage (LRA) | 21 A |
| Max Current | 3.45 A |

Spare Parts

| | | |
|-----------------|------------------|-------------|
| Fan Kit | IQ3612 254/28/5P | 1996703 |
| Valve Suction | SOLDER 3/8" | 2110046 |
| Valve Discharge | SOLDER 1/4" | 2110047 |
| Condenser | 4R11T | 2451217 |
| Compressor | NEU2168U | 863IA51..AN |
| Electrical Kit | ELKOM NEU2168U | 863IA5190A |

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 | 806 W | 497 W | 2.46 A | 1.62 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 | 434 | 319 | 1.74 | 1.36 |
| -30 | 682 | 409 | 2.08 | 1.67 |
| -25 | 832 | 462 | 2.31 | 1.8 |
| -23 | 887 | 482 | 2.39 | 1.84 |
| -20 | 999 | 522 | 2.56 | 1.91 |
| -15 | 1183 | 588 | 2.86 | 2.01 |
| -10 | 1383 | 661 | 3.18 | 2.09 |

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 | 397 | 329 | 1.79 | 1.21 |
| -30 | 620 | 421 | 2.15 | 1.47 |
| -25 | 756 | 477 | 2.38 | 1.59 |
| -23 | 806 | 497 | 2.46 | 1.62 |
| -20 | 908 | 538 | 2.64 | 1.69 |
| -15 | 1075 | 607 | 2.94 | 1.77 |
| -10 | 1258 | 681 | 3.28 | 1.85 |

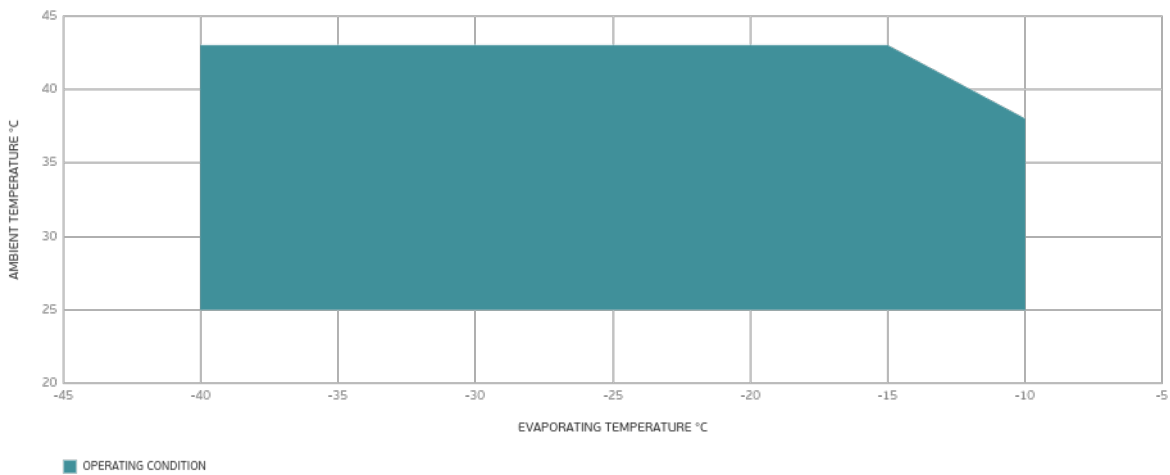
Test Condition ASHRAE: Evaporating temp. -23.30°C, Ambient temp. 32.00°C, Return Gas 32 °C, Subcooling 3K

Ambient Temperature 43°C

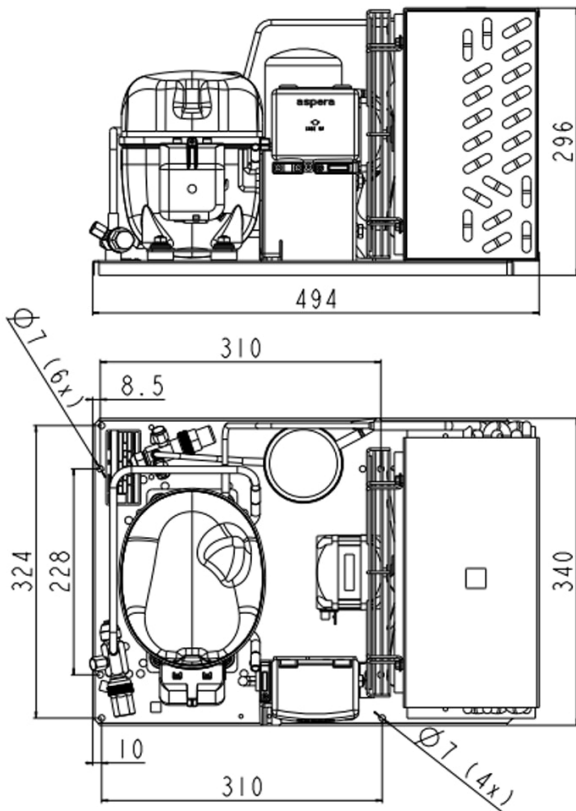
| Evaporating Temperature °C | Cooling Capacity W | Power Consumption W | Current A | Efficiency W/W |
|----------------------------|--------------------|---------------------|-----------|----------------|
| -40 | 319 | 341 | 1.84 | 0.94 |
| -30 | 520 | 445 | 2.25 | 1.17 |
| -25 | 642 | 507 | 2.51 | 1.27 |
| -23 | 687 | 530 | 2.61 | 1.3 |
| -20 | 778 | 575 | 2.81 | 1.35 |
| -15 | 929 | 650 | 3.15 | 1.43 |
| -10 | 1093 | 731 | 3.52 | 1.5 |

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

