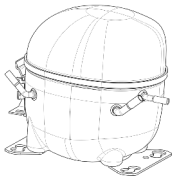
**220-240V 50 1~**



## GENERAL DATA

**Application:** LBP
**Refrigerant:** R404A
**Evaporating Temperature Range:** -40°C to -10°C
**Compressor Cooling:** Fan
**Fan air flow:** 520 $m^3$/h
**Type:** Hermetic reciprocating
**Technology Type:** On-Off
**Expansion Device:** Capillary Tube or Expansion Valve
**Packing Quantity:** Single - 1 pc
**Displacement:** 12.11 cm3
**Horse power:** 3.4 hp

**Approvals:**

## MECHANICAL DATA

**Bore:** 27.78 mm
**Stroke:** 20 mm
**Oil Charge:** 350ml +/-15ml
**Free Internal Volume:** 2.1 cm3
**Maximum Recommended Refrigerant Charge:** 350 g
**Oil Type Configuration:** Polyolester
**Oil Type Viscosity:** ISO22
**Compressor pressuriazation:** Dry air charge
**Weight:** 11.5 kg

## ELECTRICAL DATA

**Motor Type:** CSIR
**Starting Torque:** HST
**Voltage working range at 50 Hz:** 198-254 V
**Maximum Motor Temperature:** 130 °C
**Start Winding Resistance:** 27.95 Ω (± 10%) at 25°C
**Run Winding Resistance:** 5.11 Ω (± 10%) at 25°C
**Locked Rotor Amperage (LRA):** 18 A

## MOUNTING ACCESSORIES

| | Description | Code |
|---|---|---|
| **Anchorage:** | no | - |
| **Capacitor Bracket:** | no | - |
| **Washer:** | no | - |
| **Pin:** | no | - |
| **Clip:** | no | - |
| **Rotolock valve:** | no | - |
| **Cover:** | yes | 2075282 |
| **Grommets:** | yes | 2221011 |
| **Sleeves:** | yes | 2222018 |
| **Terminal Board:** | yes | 1027060 |
| **Overload Protector Bracket:** | yes | 2075299 |

## ELECTRICAL COMPONENTS

| | Component type | Description | Code |
|---|---|---|---|
| **Start Capacitor:** | | 64-77 MFD 330V | 2252352 |
| **Starting Device:** | Current relay | MTRP-49-65 | 2334118 |
| **Motor Protection:** | External 3/4" | T0964/G6 | 2319135 |

## EXTERNAL CHARACTERISTICS

**Base Plate:** European
**Tray Holder:** No
**Height:** 206 mm

| | Internal Diameter (mm) | Material | Shape |
|---|---|---|---|
| **Suction Connector** | 8.1 | Copper | Slanted 42Â° |
| **Discharge Connector** | 6.1 | Copper | Straight |

## RATED POINT DATA

| Cooling Capacity (W) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate (kg/h) | Efficiency (W/W) |
|---|---|---|---|---|
| ±5% | ±5% | ±5% | ±5% | ±7% |
| 363 | 342 | 2.62 | 9.11 | 1.06 |

**Test condition:** EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: -35°C, Condensing: 40°C, Ambient: 35°C

## PERFORMANCE CURVE DATA

**220V 50Hz**

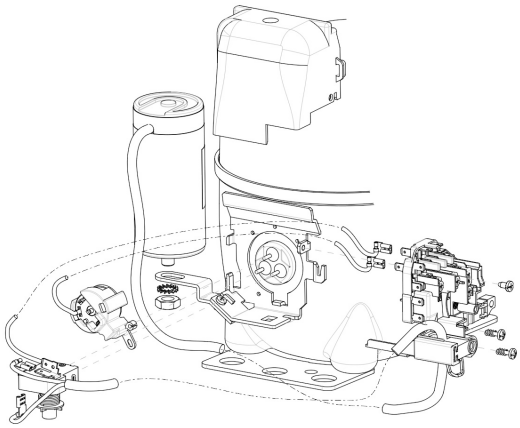
| Condensing Temperature (°C) | Evaporating Temperature (°C) | Cooling Capacity (W) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate (kg/h) | Efficiency (W/W) |
|---|---|---|---|---|---|---|
| | | ±5% | ±5% | ±5% | ±5% | ±7% |
| 35°C | -10 | 1 272 | 569 | 3.32 | 31.01 | 2.24 |
| | -15 | 1 043 | 520 | 3.14 | 25.25 | 2.01 |
| | -20 | 842 | 472 | 2.98 | 20.24 | 1.78 |
| | -25 | 667 | 425 | 2.84 | 15.96 | 1.57 |
| | -30 | 519 | 379 | 2.72 | 12.37 | 1.37 |
| | -35 | 398 | 335 | 2.62 | 9.46 | 1.19 |
| | -40 | 304 | 292 | 2.54 | 7.19 | 1.04 |

| Condensing Temperature (°C) | Evaporating Temperature (°C) | Cooling Capacity (W) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate (kg/h) | Efficiency (W/W) |
|---|---|---|---|---|---|---|
| | | ±5% | ±5% | ±5% | ±5% | ±7% |
| 45°C | -10 | 1 067 | 633 | 3.54 | 29.32 | 1.69 |
| | -15 | 875 | 570 | 3.30 | 23.86 | 1.53 |
| | -20 | 705 | 510 | 3.09 | 19.09 | 1.38 |
| | -25 | 557 | 453 | 2.91 | 15.00 | 1.23 |
| | -30 | 432 | 399 | 2.76 | 11.56 | 1.08 |
| | -35 | 328 | 347 | 2.63 | 8.75 | 0.94 |

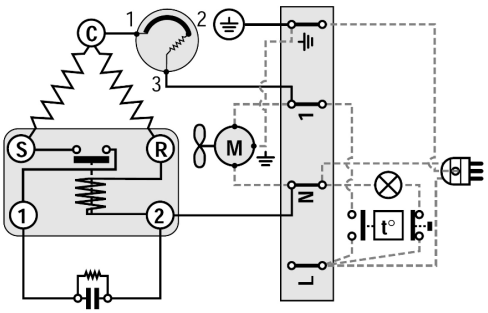
| Condensing Temperature (°C) | Evaporating Temperature (°C) | Cooling Capacity (W) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate (kg/h) | Efficiency (W/W) |
|---|---|---|---|---|---|---|
| | | ±5% | ±5% | ±5% | ±5% | ±7% |
| 55°C | -10 | 870 | 696 | 3.79 | 27.78 | 1.25 |
| | -15 | 713 | 619 | 3.48 | 22.57 | 1.15 |
| | -20 | 574 | 546 | 3.22 | 18.01 | 1.05 |
| | -25 | 452 | 477 | 2.99 | 14.07 | 0.95 |
| | -30 | 346 | 413 | 2.81 | 10.73 | 0.84 |

**Test condition:** EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Ambient: 35°C

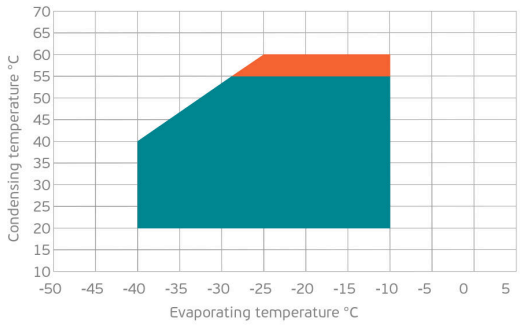
## ASSEMBLY INSTRUCTION



## WIRING DIAGRAM




## OPERATING ENVELOPE

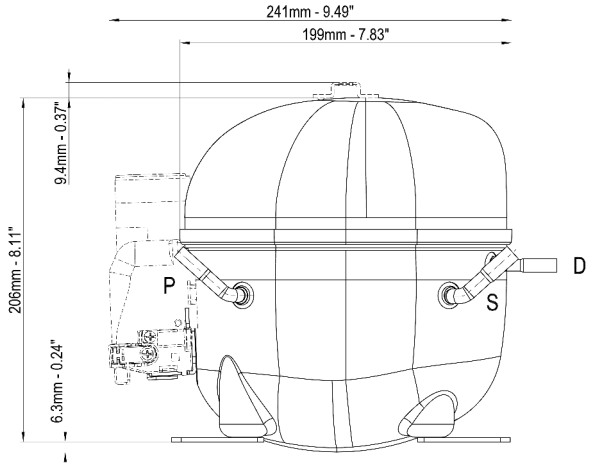



Operating Condition

Transient Condition

Superheating

**NOTE:** usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.




| | ∅ mm | ∅ in | Material |
|---|---|---|---|
| **S - Suction** | 8.10 - 8.20 | 0.32 | Cu |
| **P - Process** | 6.10 - 6.20 | 0.24 | Cu |
| **D - Discharge** | 6.10 - 6.20 | 0.24 | Cu |