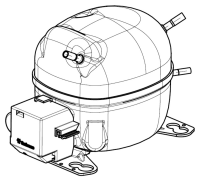
**220-240V 50 1~**



## GENERAL DATA

**Application:** M/HBP
**Refrigerant:** R134a
**Evaporating Temperature Range:** -10°C to 15°C
**Compressor Cooling:** Fan
**Type:** Hermetic reciprocating
**Technology Type:** On-Off
**Expansion Device:** Capillary Tube
**Packing Quantity:** 100
**Displacement:** 5.54 cm3
**Horse power:** 1/6+ hp
**Approvals:**

## MECHANICAL DATA

**Bore:** 21 mm
**Stroke:** 16 mm
**Oil Charge:** 160ml
**Oil Type Configuration:** ESTER
**Oil Type Viscosity:** ISO22
**Weight:** 7.66 kg

## ELECTRICAL DATA

**Motor Type:** RSIR/CSIR
**Starting Torque:** LST
**Voltage working range at 50 Hz:** 198-264 V
**Voltage working range at 60 Hz:** 198-264 V
**Maximum Motor Temperature:** 130 °C
**Start Winding Resistance:** 27.8 Ω (± 10%) at 25°C
**Run Winding Resistance:** 13.7 Ω (± 10%) at 25°C
**Locked Rotor Amperage (LRA):** 13 A

## MOUNTING ACCESSORIES

| | Description | Code |
|---|---|---|
| **Anchorage:** | no | - |
| **Overload Protector Bracket:** | no | - |
| **Capacitor Bracket:** | no | - |
| **Washer:** | no | - |
| **Pin:** | no | - |
| **Cover:** | no | - |
| **Grommets:** | no | - |
| **Sleeves:** | no | - |
| **Terminal:** | no | - |
| **Clip:** | yes | 13143000 |

## ELECTRICAL COMPONENTS

| | Component type | Description | Code |
|---|---|---|---|
| **CSR / CSIR Box:** | No | | |
| **Motor Protection:** | | 4TM734LFBYY-53 | 13634076 |
| **Starting Device:** | Relay | 213514130<br>213515004* | |
| **Start Capacitor:** | | 189-227UF - 150V | |

## EXTERNAL CHARACTERISTICS

**Base Plate:** UNI V2
**Tray Holder:** No
**Height:** mm

| | Internal Diameter (mm) | Material | Shape |
|---|---|---|---|
| **Suction Connector** | 6.5 | Copper | Straight |
| **Discharge Connector** | 6.5 | Copper | Straight |
| **Process Connector** | 6.5 | 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% |
| 618 | 242 | 1.43 | 12.29 | 2.56 |

**Test condition:** ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°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 | 15 | 887 | 216 | 1.31 | 17.87 | 4.11 |
| | 10 | 746 | 198 | 1.27 | 14.91 | 3.76 |
| | 5 | 628 | 186 | 1.23 | 12.46 | 3.37 |
| | 0 | 534 | 179 | 1.19 | 10.52 | 2.98 |
| | -5 | 463 | 178 | 1.16 | 9.08 | 2.60 |
| | -10 | 415 | 182 | 1.13 | 8.15 | 2.28 |

| 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 | 15 | 854 | 246 | 1.44 | 17.21 | 3.48 |
| | 10 | 714 | 226 | 1.37 | 14.28 | 3.15 |
| | 5 | 597 | 212 | 1.31 | 11.85 | 2.82 |
| | 0 | 503 | 201 | 1.25 | 9.91 | 2.50 |
| | -5 | 432 | 196 | 1.20 | 8.47 | 2.21 |
| | -10 | 383 | 195 | 1.14 | 7.53 | 1.97 |

| 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 | 15 | 819 | 277 | 1.56 | 16.49 | 2.96 |
| | 10 | 681 | 255 | 1.48 | 13.62 | 2.67 |
| | 5 | 567 | 237 | 1.40 | 11.25 | 2.39 |
| | 0 | 475 | 222 | 1.32 | 9.36 | 2.14 |
| | -5 | 405 | 212 | 1.24 | 7.95 | 1.92 |
| | -10 | 358 | 205 | 1.17 | 7.04 | 1.75 |

**Test condition:** ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C