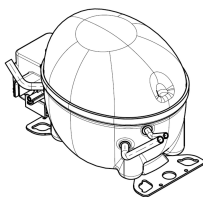


220-240V 50 1~



GENERAL DATA

Application: HBP
Refrigerant: R600a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 100
Displacement: 6.78 cm³
Horse power: 1/8 hp

Approvals: 

MECHANICAL DATA

Bore: 24 mm
Stroke: 15 mm
Oil Charge: 180ml
Oil Type Configuration: MINERAL
Oil Type Viscosity: ISO10
Weight: 7.65 kg

ELECTRICAL DATA

Motor Type: RSIR
Starting Torque: LST
Voltage working range at 60 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 26.9 Ω (± 10%) at 25°C
Run Winding Resistance: 17.5 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 6 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 | | |
| Starting Device: | PTC | V230 | |
| Motor Protection: | | T0357/07 | 2288035 |

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: Yes
Height: mm

| | Internal Diameter (mm) | Material | Shape |
|----------------------------|------------------------|------------|---------------------------------|
| Suction Connector | 6.1 | Copper | Slanted 42° up + 45° to Back |
| Discharge Connector | 6.1 | Copper | Slanted parallel BP+24° to Back |
| Process Connector | 6 | Copper(OD) | Slanted 43° up + 45° to Back |

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% |
| 357 | 135 | 0.88 | 4.51 | 2.64 |

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling OK, Evaporating: 5°C, Condensing: 50°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 | 511 | 122 | 0.84 | 5.71 | 4.19 |
| | 5 | 426 | 116 | 0.82 | 4.75 | 3.67 |
| | 0 | 352 | 109 | 0.80 | 3.91 | 3.22 |
| | -5 | 288 | 102 | 0.78 | 3.18 | 2.82 |
| | -10 | 232 | 95 | 0.76 | 2.56 | 2.45 |
| | -15 | 185 | 87 | 0.75 | 2.03 | 2.13 |

| 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 | 459 | 137 | 0.89 | 5.57 | 3.34 |
| | 5 | 381 | 129 | 0.86 | 4.61 | 2.96 |
| | 0 | 313 | 120 | 0.83 | 3.77 | 2.62 |
| | -5 | 255 | 111 | 0.80 | 3.06 | 2.30 |
| | -10 | 205 | 101 | 0.78 | 2.45 | 2.02 |
| | -15 | 162 | 92 | 0.76 | 1.94 | 1.76 |

| 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 | 402 | 153 | 0.94 | 5.35 | 2.62 |
| | 5 | 332 | 142 | 0.90 | 4.41 | 2.34 |
| | 0 | 272 | 131 | 0.86 | 3.59 | 2.08 |
| | -5 | 220 | 119 | 0.83 | 2.90 | 1.85 |
| | -10 | 176 | 108 | 0.80 | 2.31 | 1.63 |

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling OK, Ambient: 35°C

