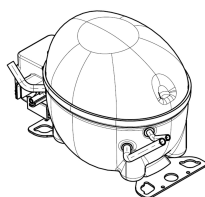


115-127V 60 1~



GENERAL DATA

Application: L/MBP
Refrigerant: R134a
Evaporating Temperature Range: -35°C to -5°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 100
Displacement: 2.83 cm³

Approvals: **C** **RU** **US**

MECHANICAL DATA

Bore: 19 mm
Stroke: 10 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO10
Weight: 7.2 kg

ELECTRICAL DATA

Motor Type: RSIR/CSIR
Starting Torque: LST
Voltage working range at 50 Hz: 104-140 V
Voltage working range at 60 Hz: 104-140 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 21.2 Ω (± 10%) at 25°C
Run Winding Resistance: 7.9 Ω (± 10%) at 25°C

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 | 213514008 213514075 213515268* | |
| Start Capacitor: | | 64-77UF - 120V | |

EXTERNAL CHARACTERISTICS

Base Plate: RC EUEM
Tray Holder: No
Height: mm

| | Internal Diameter (mm) | Material | Shape |
|----------------------------|------------------------|------------|------------------------------|
| Suction Connector | 6.5 | Copper | Slanted 42° up + 45° to Back |
| Discharge Connector | 6.5 | Copper | Slanted 30° up + 24° to Back |
| Process Connector | 6.35 | Copper(OD) | Slanted 45° 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% |
| 88 | 69 | 0.96 | 1.72 | 1.27 |

Test condition: ASHRAE, Static, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

PERFORMANCE CURVE DATA

115V 60Hz

| 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 | -5 | 266 | 91 | 1.07 | 5.23 | 2.92 |
| | -10 | 213 | 85 | 1.04 | 4.17 | 2.51 |
| | -15 | 168 | 78 | 1.00 | 3.28 | 2.16 |
| | -20 | 130 | 70 | 0.96 | 2.53 | 1.86 |
| | -25 | 98 | 61 | 0.91 | 1.90 | 1.60 |
| | -30 | 71 | 53 | 0.87 | 1.38 | 1.35 |
| | -35 | 49 | 44 | 0.84 | 0.94 | 1.10 |

| 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 | -5 | 250 | 101 | 1.17 | 4.90 | 2.48 |
| | -10 | 199 | 93 | 1.11 | 3.89 | 2.15 |
| | -15 | 156 | 84 | 1.05 | 3.04 | 1.86 |
| | -20 | 120 | 75 | 0.99 | 2.33 | 1.61 |
| | -25 | 90 | 66 | 0.94 | 1.74 | 1.37 |
| | -30 | 64 | 57 | 0.89 | 1.24 | 1.13 |
| | -35 | 43 | 49 | 0.86 | 0.83 | 0.88 |

| 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 | -5 | 233 | 111 | 1.25 | 4.58 | 2.11 |
| | -10 | 184 | 99 | 1.16 | 3.59 | 1.85 |
| | -15 | 142 | 88 | 1.08 | 2.77 | 1.62 |
| | -20 | 107 | 77 | 1.01 | 2.08 | 1.40 |
| | -25 | 78 | 66 | 0.94 | 1.51 | 1.18 |
| | -30 | 53 | 56 | 0.89 | 1.03 | 0.94 |

Test condition: ASHRAE, Static, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

