
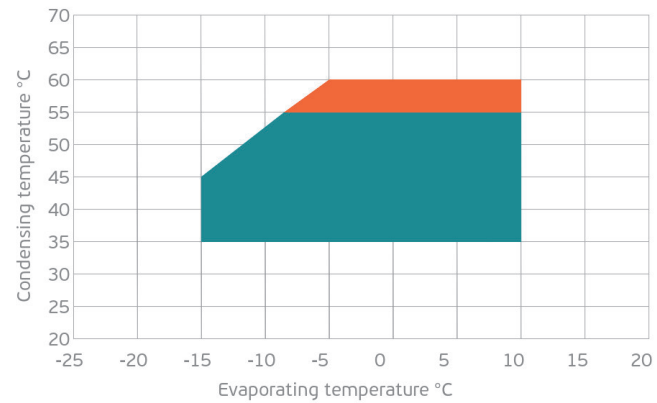


GENERAL DATA

| | |
|---|---|
| Application: | HBP |
| Refrigerant: | R134a |
| Evaporating Temperature Range: | -15°C to 10°C |
| Compressor Cooling: | Fan |
| Fan air flow: | 800 m ³ /h |
| Maximum Condensing Pressure - Operating: | 13.92 kgf/cm ² (psig) |
| Maximum Condensing Pressure - Peak: | 15.62 kgf/cm ² (psig) |
| Type: | Hermetic reciprocating |
| Technology Type: | On-Off |
| Expansion Device: | Capillary Tube or Expansion Valve |
| Packing Quantity: | Single - 1 pc |
| Institute Approvals: |  |

OPERATING ENVELOPE



MECHANICAL DATA

| | |
|--|---------------------|
| Bore: | 41.77 mm |
| Stroke: | 19.07 mm |
| Free Internal Volume: | 3.9 cm ³ |
| Maximum Recommended Refrigerant Charge: | 800 ml |
| Weight: | 18.6 kg |

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL DATA

| | |
|-------------------------------------|-------------------------|
| Motor Type: | 3PHASE - |
| Starting Torque: | HST - |
| Maximum Motor Temperature: | 130 °C |
| Start Winding Resistance: | - Ω (± 10%) at 25°C |
| Run Winding Resistance: | 18.67 Ω (± 10%) at 25°C |
| Locked Rotor Amperage (RLA): | 11 A |

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

| | Component type | Description | Code |
|--------------------------|----------------|-------------|------|
| Inverter: | - | - | - |
| Run Capacitor: | - | - | - |
| Starting Device: | - | - | - |
| Motor Protection: | Internal | 34HM272 | - |
| Start Capacitor: | - | - | - |
| CSR / CSIR Box: | - | - | - |

ACCESSORIES

Description

Code

For additional accessories please contact our technical support

EXTERNAL CHARACTERISTICS

| | Shape | Material | Internal Diameter (mm) |
|----------------------------|-------------|----------|------------------------|
| Suction Connector | Vertical | Copper | 9.6 |
| Discharge Connector | Slanted 65° | Copper | 8 |
| Process Connector | Vertical | Copper | 6.42 |

MOUNTING ACCESSORIES

| Description | Code |
|---|------|
| At maximum evaporating temperature and maximum ambient temperature. | |

PERFORMANCE CURVE DATA

Standard: ASHRAE / w

50 Hz

| | Evaporating Temperature (°C) | Cooling Capacity (w) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate | Efficiency (w/W) |
|---------------------------------------|------------------------------|----------------------|-----------------------|-------------------------|---------------|------------------|
| 35°C Condensing Temperature | 10°C | 3 587 | 738 | 1.41 | 67.79 | 4.86 |
| | 5°C | 2 885 | 692 | 1.37 | 54.16 | 4.17 |
| | 0°C | 2 290 | 642 | 1.31 | 42.73 | 3.57 |
| | -5°C | 1 802 | 590 | 1.24 | 33.47 | 3.06 |
| | -10°C | 1 422 | 534 | 1.16 | 26.32 | 2.66 |
| | -15°C | 1 148 | 476 | 1.07 | 21.22 | 2.41 |
| 45°C Condensing Temperature | 10°C | 3 214 | 828 | 1.54 | 65.66 | 3.88 |
| | 5°C | 2 616 | 763 | 1.46 | 53.15 | 3.43 |
| | 0°C | 2 093 | 697 | 1.38 | 42.29 | 3.00 |
| | -5°C | 1 643 | 628 | 1.29 | 33.04 | 2.62 |
| | -10°C | 1 266 | 557 | 1.20 | 25.35 | 2.27 |
| | -15°C | 963 | 484 | 1.10 | 19.16 | 1.99 |
| 55°C Condensing Temperature | 10°C | 2 827 | 921 | 1.68 | 63.20 | 3.07 |
| | 5°C | 2 336 | 838 | 1.56 | 51.81 | 2.79 |
| | 0°C | 1 886 | 754 | 1.45 | 41.53 | 2.50 |
| | -5°C | 1 475 | 668 | 1.34 | 32.31 | 2.21 |
| | -10°C | 1 104 | 581 | 1.23 | 24.09 | 1.90 |

| | | Evaporating Temperature (°C) | Cooling Capacity (w) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate | Efficiency (w/W) |
|---|-------------|------------------------------|----------------------|-----------------------|-------------------------|---------------|------------------|
| 54.4°C Condensing Temperature | Rated point | 7.2°C | 2 567 | 870 | 1.61 | 56.80 | 2.95 |

| | | Evaporating Temperature (°C) | Cooling Capacity (w) | Power Consumption (W) | Current Consumption (A) | Gas Flow Rate | Efficiency (w/W) |
|---------------------------------------|--|------------------------------|----------------------|-----------------------|-------------------------|---------------|------------------|
| 35°C Condensing Temperature | | 10°C | 4 197 | 863 | 1.43 | 79.31 | 4.86 |
| | | 5°C | 3 375 | 811 | 1.39 | 63.36 | 4.16 |
| | | 0°C | 2 679 | 755 | 1.34 | 50.00 | 3.55 |
| | | -5°C | 2 109 | 697 | 1.27 | 39.16 | 3.03 |
| | | -10°C | 1 663 | 636 | 1.19 | 30.79 | 2.62 |
| | | -15°C | 1 344 | 572 | 1.09 | 24.82 | 2.35 |

60 Hz

| | | | | | | | |
|---------------------------------------|--|-------|-------|-----|------|-------|------|
| 45°C Condensing Temperature | | 10°C | 3 760 | 966 | 1.57 | 76.83 | 3.89 |
| | | 5°C | 3 061 | 894 | 1.49 | 62.18 | 3.42 |
| | | 0°C | 2 449 | 820 | 1.41 | 49.48 | 2.99 |
| | | -5°C | 1 922 | 743 | 1.32 | 38.66 | 2.59 |
| | | -10°C | 1 482 | 665 | 1.22 | 29.66 | 2.23 |
| | | -15°C | 1 127 | 584 | 1.12 | 22.41 | 1.93 |

| | | | | | | | |
|---------------------------------------|--|-------|-------|-------|------|-------|------|
| 55°C Condensing Temperature | | 10°C | 3 308 | 1 073 | 1.72 | 73.95 | 3.08 |
| | | 5°C | 2 734 | 981 | 1.60 | 60.62 | 2.79 |
| | | 0°C | 2 206 | 887 | 1.48 | 48.60 | 2.49 |
| | | -5°C | 1 726 | 792 | 1.37 | 37.81 | 2.18 |
| | | -10°C | 1 292 | 695 | 1.26 | 28.19 | 1.86 |

| | | | | | | | |
|---|-------------|-------|-------|-------|------|-------|------|
| 54.4°C Condensing Temperature | Rated point | 7.2°C | 3 004 | 1 016 | 1.64 | 66.46 | 2.96 |
|---|-------------|-------|-------|-------|------|-------|------|