



APPROVALS



ENGINEERING CODE
875DA72

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
59 W (LBP)

EFFICIENCY
0.94 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

| | |
|-------------------------------|--------------------------|
| Type | Hermetic reciprocating |
| Technology Type | On-Off |
| Displacement | 7.23 cm ³ |
| Compressor Cooling | Static/NotControlled/220 |
| Expansion Device | Capillary Tube |
| Power Supply | 220-240 V 50 Hz |
| Evaporating Temperature Range | -35 °C to -10 °C |

Electrical Data

| | |
|--------------------------|---------------|
| Motor type | RSCR |
| Starting Torque | LST |
| Start Winding Resistance | 23 Ω at 25° C |
| Run Winding Resistance | 33 Ω at 25° C |

Mechanical Data

| | |
|------------------------|---------|
| Oil Charge | 180 ml |
| Oil Type Configuration | ALQUILB |
| Oil Type Viscosity | ISO5 |
| Weight | 7.61 Kg |

Electrical Components

| | Description |
|------------------|--------------|
| Run Capacitor | 4 |
| Starting Device | PTC MI2021 |
| Motor Protection | AX37FN |

External Characteristics

| Tray Holder | No | |
|-------------|-------------------|--------------------|
| Connector | Internal Diameter | Shape |
| Suction | 6.1 mm | Slanted 42°/Copper |
| Discharge | 4.94 mm | Straight/Copper |
| Process | 6.1 mm | Slanted 42°/Copper |

PERFORMANCE

Rated Points

| Condensing Temperature | Evaporating Temperature | Cooling Capacity | Power Consumption | Gas Flow Rate | Efficiency |
|------------------------|-------------------------|------------------|-------------------|---------------|------------|
| 40.00°C | -35.00°C | 59 W | 63 W | 0.74 kg/h | 0.94 W/W |

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C, Liquid 40°C, Subcooling 0K. Data are an indication of performance based simulation.

Performance Curve Data

Condensing Temperature 35°C

| Evaporating Temperature °C | Cooling Capacity W | Power W | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|--------------------|----------------|
| -35 | 54 | 85 | 0.68 | 0.64 |
| -30 | 78 | 91 | 0.95 | 0.86 |
| -25 | 106 | 98 | 1.29 | 1.09 |
| -20 | 141 | 106 | 1.70 | 1.33 |
| -15 | 182 | 113 | 2.18 | 1.6 |
| -10 | 229 | 120 | 2.74 | 1.91 |

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 45°C

| Evaporating Temperature °C | Cooling Capacity W | Power W | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|--------------------|----------------|
| -35 | 58 | 52 | 0.74 | 1.11 |
| -30 | 79 | 59 | 1.01 | 1.34 |
| -25 | 105 | 67 | 1.34 | 1.55 |
| -20 | 136 | 77 | 1.74 | 1.76 |
| -15 | 173 | 88 | 2.21 | 1.97 |
| -10 | 216 | 97 | 2.77 | 2.22 |

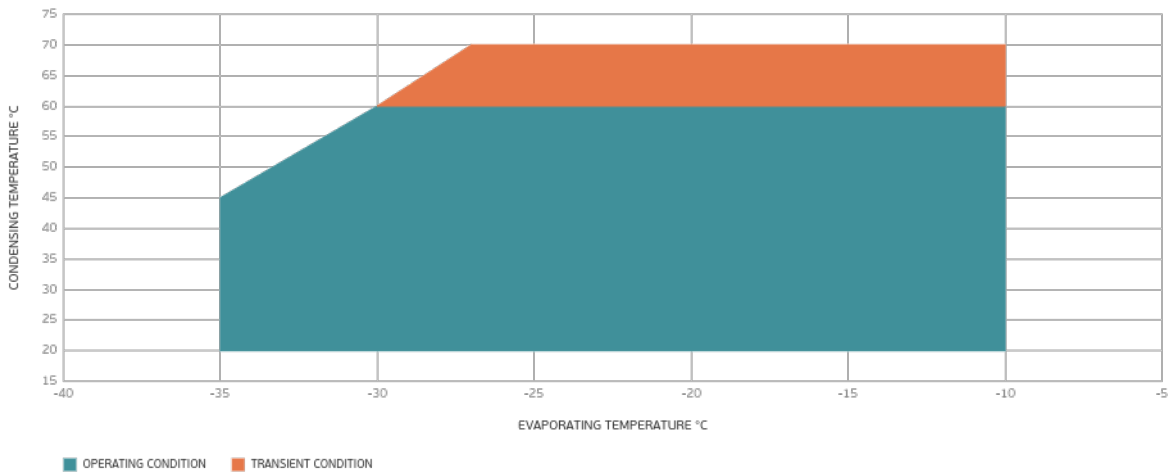
Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

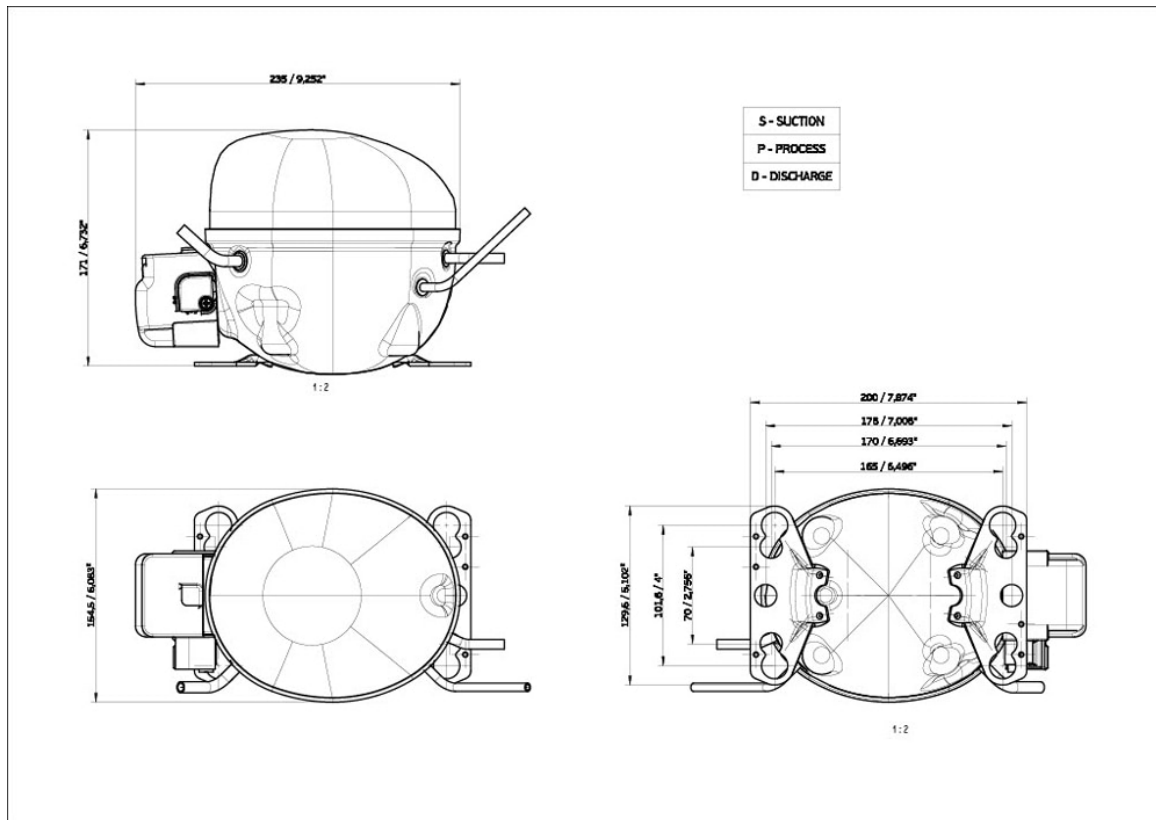
| Evaporating Temperature °C | Cooling Capacity W | Power W | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|--------------------|----------------|
| -35 | 47 | 52 | 0.66 | 0.9 |
| -30 | 65 | 59 | 0.92 | 1.1 |
| -25 | 88 | 69 | 1.24 | 1.26 |
| -20 | 115 | 81 | 1.62 | 1.42 |
| -15 | 148 | 94 | 2.09 | 1.58 |
| -10 | 186 | 106 | 2.64 | 1.75 |

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Operating Envelope



External Dimensions



Wiring Diagram

