



**APPROVALS**



**ENGINEERING CODE**  
895DA95

**APPROVED REFRIGERANT**  
R-600a

**POWER SUPPLY**  
220-240 V 50 Hz

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
118 W (LBP)

**EFFICIENCY**  
1.36 W/W (LBP)

**MOTOR TYPE**  
RSIR/RSCR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

|                               |                          |
|-------------------------------|--------------------------|
| Type                          | Hermetic reciprocating   |
| Technology Type               | On-Off                   |
| Displacement                  | 7.23 cm <sup>3</sup>     |
| 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               | RSIR/RSCR       |
| Starting Torque          | LST             |
| Start Winding Resistance | 26.7 Ω at 25° C |
| Run Winding Resistance   | 27.2 Ω at 25° C |

**Mechanical Data**

|                        |         |
|------------------------|---------|
| Oil Charge             | 180 ml  |
| Oil Type Configuration | ALQUILB |
| Oil Type Viscosity     | ISO5    |
| Weight                 | 7.35 Kg |

## Electrical Components

|                  | Description  |
|------------------|--------------|
| Motor Protection | AE64FS       |
| Run Capacitor    | 2.5          |
| Starting Device  | PTC   MI2021 |

## External Characteristics

| Tray Holder | Yes               |                        |
|-------------|-------------------|------------------------|
| Connector   | Internal Diameter | Shape                  |
| Suction     | 6.1 mm            | Slanted 42°/Copper     |
| Discharge   | 5.1 mm            | Straight/Copper        |
| Process     | 6 mm              | Slanted 42°/Copper(OD) |

## PERFORMANCE

### Rated Points

| Condensing Temperature | Evaporating Temperature | Cooling Capacity | Power Consumption | Current | Gas Flow Rate | Efficiency |
|------------------------|-------------------------|------------------|-------------------|---------|---------------|------------|
| 54.40°C                | -23.30°C                | 118 W            | 87 W              | 0.54 A  | 1.27 kg/h     | 1.36 W/W   |

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C, Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN

12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Performance Curve Data

Condensing Temperature 35°C

| Evaporating Temperature °C | Cooling Capacity W | Power W | Current A | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|-----------|--------------------|----------------|
| -35                        | 66                 | 58      | 0.46      | 0.71               | 1.14           |
| -30                        | 91                 | 67      | 0.48      | 0.97               | 1.34           |
| -25                        | 120                | 76      | 0.51      | 1.29               | 1.58           |
| -20                        | 156                | 84      | 0.54      | 1.68               | 1.86           |
| -15                        | 198                | 91      | 0.57      | 2.13               | 2.17           |
| -10                        | 246                | 99      | 0.6       | 2.66               | 2.49           |

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 45°C

| Evaporating Temperature °C | Cooling Capacity W | Power W | Current A | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|-----------|--------------------|----------------|
| -35                        | 61                 | 57      | 0.47      | 0.65               | 1.05           |
| -30                        | 84                 | 69      | 0.49      | 0.91               | 1.22           |
| -25                        | 114                | 80      | 0.52      | 1.22               | 1.42           |
| -20                        | 149                | 90      | 0.56      | 1.60               | 1.65           |
| -15                        | 190                | 100     | 0.59      | 2.05               | 1.9            |
| -10                        | 238                | 110     | 0.63      | 2.57               | 2.17           |

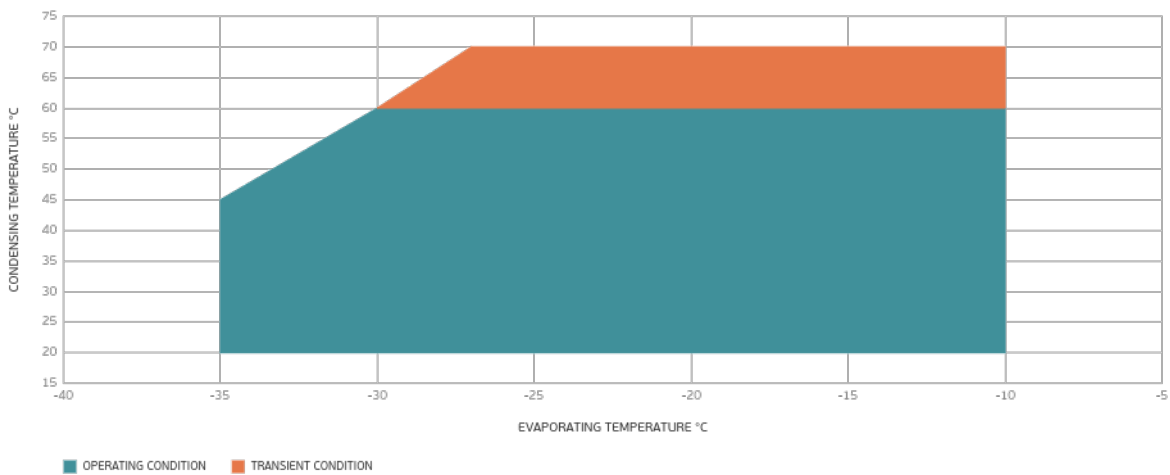
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

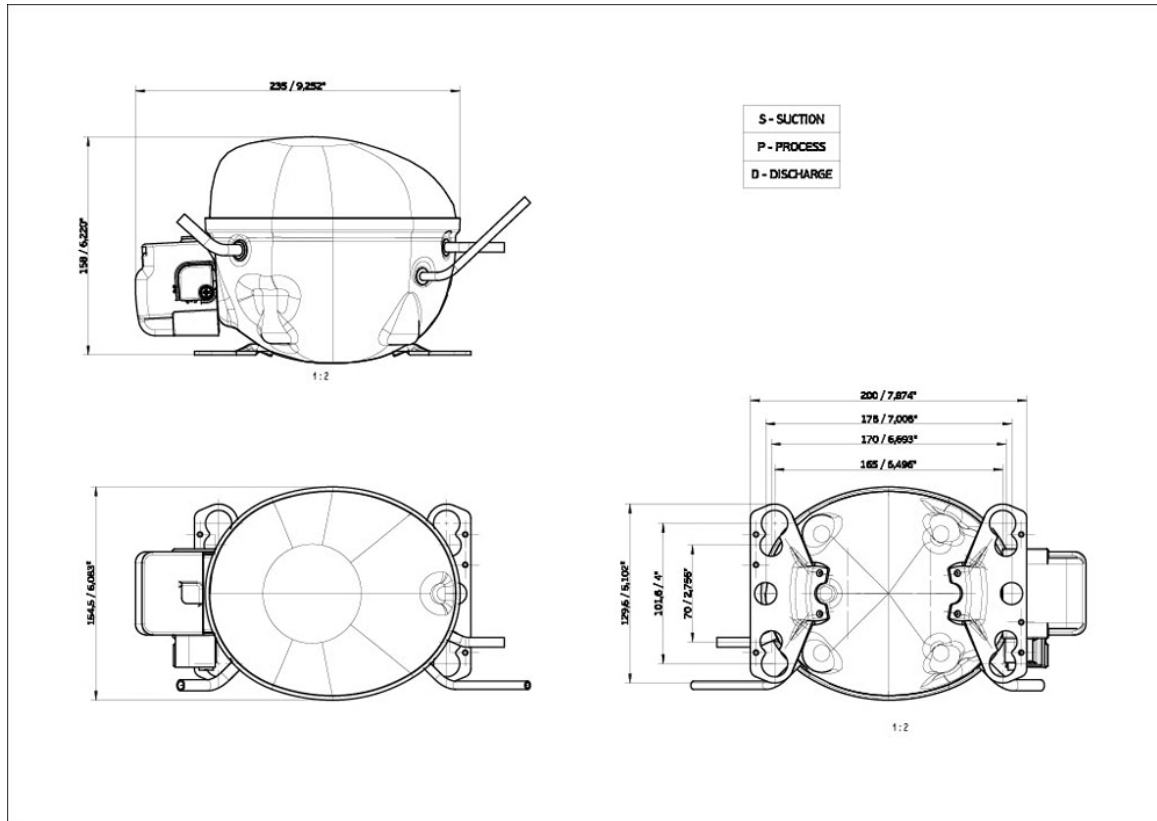
| Evaporating Temperature °C | Cooling Capacity W | Power W | Current A | Gas Flow Rate kg/h | Efficiency W/W |
|----------------------------|--------------------|---------|-----------|--------------------|----------------|
| -35                        | 55                 | 57      | 0.47      | 0.58               | 0.96           |
| -30                        | 78                 | 70      | 0.5       | 0.83               | 1.1            |
| -25                        | 106                | 83      | 0.53      | 1.14               | 1.28           |
| -20                        | 141                | 95      | 0.57      | 1.52               | 1.49           |
| -15                        | 182                | 107     | 0.61      | 1.96               | 1.7            |
| -10                        | 229                | 119     | 0.65      | 2.47               | 1.93           |

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Operating Envelope



## External Dimensions



## Wiring Diagram

