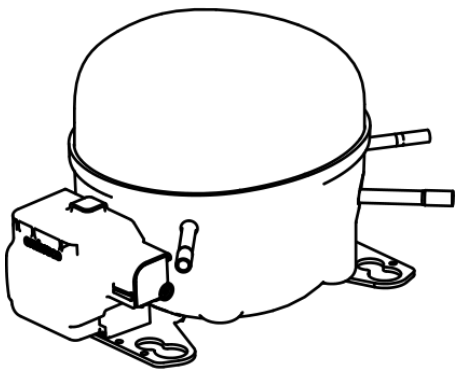


EMC26CLT



ENGINEERING CODE  
513301857



REFRIGERANT  
R-600a



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
LBP



MOTOR TYPE  
RSCR



STANDARD  
ASHRAE



COOLING CAPACITY  
82 W



EFFICIENCY  
1.77 W/W

DATA

GENERAL DATA

|                        |                        |
|------------------------|------------------------|
| Model                  | EMC26CLT               |
| Type                   | Hermetic Reciprocating |
| Technology             | ON/OFF                 |
| Compressor Application | LBP                    |
| Expansion Device       | Capillary Tube         |
| Compressor Cooling     | Static/220             |
| HP                     | 1/10                   |
| Starting Torque        | LST                    |
| Plant                  | BRAZIL                 |

ELECTRICAL DATA

|                                     |                |
|-------------------------------------|----------------|
| Start Winding Resistance            | 33.4 Ω at 25°C |
| Run Winding Resistance              | 57.0 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz    | 2.1 A          |
| Rated Load Amperage (LMBP) at 50 Hz | 0.3 A          |
| Rated Load Amperage (HBP) at 50 Hz  | 0.3 A          |

## MECHANICAL DATA

|               |          |
|---------------|----------|
| Displacement  | 5.19 cm³ |
| Oil Charge    | 150 ml   |
| Oil Type      | ALQUILB  |
| Oil Viscosity | ISO5     |
| Weight        | 7.6 Kg   |

## ELECTRICAL COMPONENTS

|                             |                |
|-----------------------------|----------------|
| Run Capacitor               | 2.0 μf/350 V   |
| CSR CSIR BOX                | No             |
| Starting Device Description | TSD2-220V1.2   |
| Overload Protection         | 4TM110KFBYY-73 |

## PERFORMANCE

## TESTED CONDITIONS

|                         |        |
|-------------------------|--------|
| Tested Refrigerant      | R-600a |
| Tested Application      | LBP    |
| Tested Standard         | ASHRAE |
| Tested Cooling          | Static |
| Tested Voltage          | 220 V  |
| Max Refrigerant Charge  | 150 g  |
| Refrigerant Temperature | Dew    |

## RATED POINTS

| Condensing Temperature<br>°C | Evaporating Temperature<br>°C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|------------------------------|-------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 54.4                         | -23.3                         | 82                 | 1.77           | 46                  | 0.21      | 0.88               |

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## PERFORMANCE CURVE

## Condensing Temperature 35°C

| Evaporating<br>Temperature<br>°C | Cooling<br>Capacity W | Efficiency<br>W/W | Power<br>Consumption<br>W | Current A | Gas Flow<br>Rate kg/h |
|----------------------------------|-----------------------|-------------------|---------------------------|-----------|-----------------------|
| -35                              | 46                    | 1.54              | 30                        | 0.14      | 0.50                  |
| -30                              | 65                    | 1.85              | 35                        | 0.16      | 0.70                  |
| -25                              | 89                    | 2.17              | 41                        | 0.19      | 0.96                  |
| -20                              | 117                   | 2.52              | 47                        | 0.22      | 1.26                  |
| -15                              | 150                   | 2.89              | 52                        | 0.24      | 1.62                  |
| -10                              | 188                   | 3.29              | 57                        | 0.27      | 2.03                  |

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45°C

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -35                        | 40                 | 1.33           | 30                  | 0.14      | 0.43               |
| -30                        | 59                 | 1.61           | 37                  | 0.16      | 0.63               |
| -25                        | 82                 | 1.90           | 43                  | 0.19      | 0.88               |
| -20                        | 109                | 2.18           | 50                  | 0.22      | 1.18               |
| -15                        | 142                | 2.47           | 57                  | 0.26      | 1.53               |
| -10                        | 179                | 2.78           | 64                  | 0.29      | 1.93               |

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 55°C

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -30                        | 51                 | 1.41           | 36                  | 0.17      | 0.54               |
| -25                        | 73                 | 1.67           | 44                  | 0.20      | 0.78               |
| -20                        | 100                | 1.93           | 52                  | 0.23      | 1.07               |
| -15                        | 131                | 2.17           | 60                  | 0.28      | 1.41               |
| -10                        | 167                | 2.41           | 69                  | 0.32      | 1.81               |

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

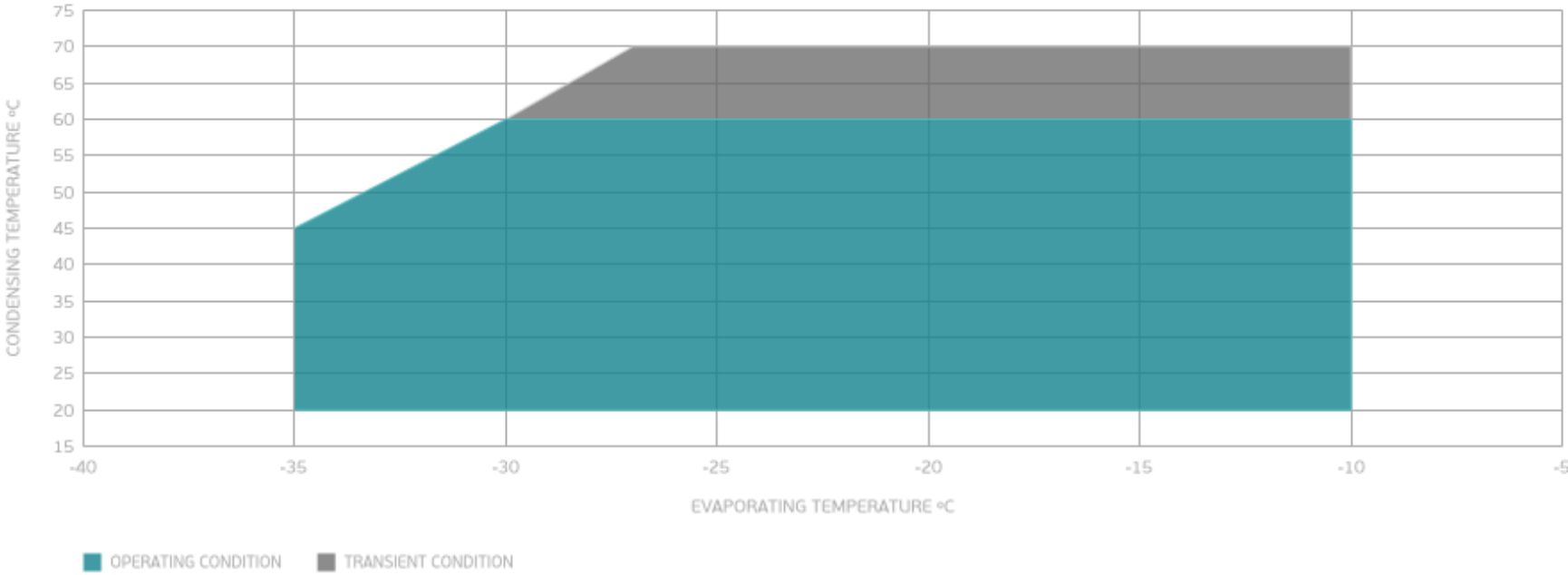
PERFORMANCE CURVE

Condensing Temperature 65°C

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -25                        | 62                 | 1.48           | 42                  | 0.19      | 0.67               |
| -20                        | 88                 | 1.72           | 51                  | 0.23      | 0.95               |
| -15                        | 118                | 1.94           | 61                  | 0.28      | 1.28               |
| -10                        | 153                | 2.15           | 71                  | 0.33      | 1.66               |

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



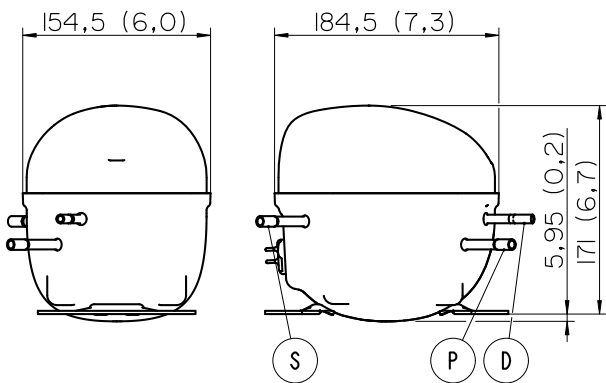
EXTERNAL CHARACTERISTICS

|             |       |
|-------------|-------|
| Base Plate  | SMALL |
| Tray Holder | YES   |

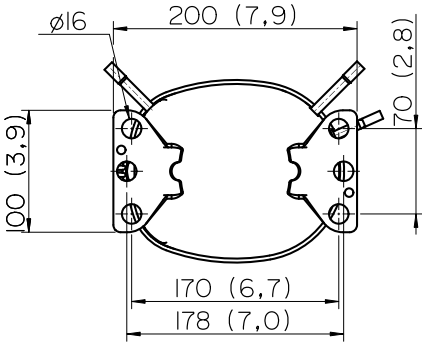
| Connector | Internal Diameter | Shape                        | Material |
|-----------|-------------------|------------------------------|----------|
| Suction   | 6.1 mm            | SLANTED 42° UP + 45° TO BACK | COPPER   |
| Discharge | 4.94 mm           | SLANTED 0° UP + 24° TO BACK  | COPPER   |
| Process   | 6.1 mm            | SLANTED 45° UP + 45° TO BACK | COPPER   |

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

