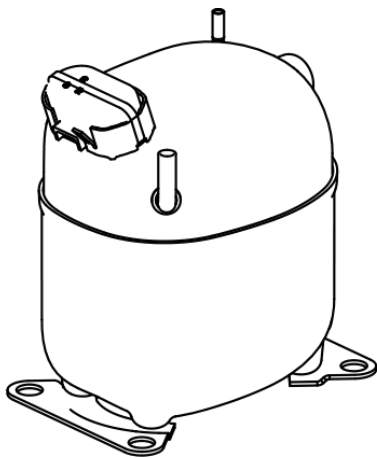


NJ6220Z



ENGINEERING CODE  
144HD11



REFRIGERANT  
R-134a



POWER SUPPLY  
208-230 V 60 Hz



APPLICATION  
HBP



MOTOR TYPE  
CSIR



STANDARD  
EN12900



COOLING CAPACITY  
2343 W



EFFICIENCY  
2.08 W/W

DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NJ6220Z                           |
| Type                   | Hermetic Reciprocating            |
| Technology             | ON/OFF                            |
| Compressor Application | HBP                               |
| Expansion Device       | Capillary Tube or Expansion Valve |
| Compressor Cooling     | Fan/208                           |
| HP                     | 1                                 |
| Starting Torque        | HST                               |
| Plant                  | SLOVAKIA                          |

ELECTRICAL DATA

|                                  |                |
|----------------------------------|----------------|
| Start Winding Resistance         | 8.09 Ω at 25°C |
| Run Winding Resistance           | 1.45 Ω at 25°C |
| Locked Rotor Amperage (LRA) 60Hz | 42 A           |

MECHANICAL DATA

|               |           |
|---------------|-----------|
| Displacement  | 26.11 cm³ |
| Oil Charge    | 750 ml    |
| Oil Type      | ESTER     |
| Oil Viscosity | ISO22     |
| Weight        | 20.2 Kg   |

ELECTRICAL COMPONENTS

|                             |                   |
|-----------------------------|-------------------|
| Start Capacitor             | 88-108 µf/330 V   |
| CSR CSIR BOX                | Yes               |
| Starting Device Description | RVA4L3C-566       |
| Overload Protection         | MST16AFN T0820/20 |

EXTERNAL CHARACTERISTICS

|             |       |
|-------------|-------|
| Base Plate  | LARGE |
| Tray Holder | NO    |

| Connector | Internal Diameter | Shape     | Material |
|-----------|-------------------|-----------|----------|
| Suction   | 9.6 mm            | VERTICAL  | COPPER   |
| Discharge | 8 mm              | SLANTED J | COPPER   |
| Process   | 6.42 mm           | VERTICAL  | COPPER   |

PERFORMANCE

TESTED CONDITIONS

|                         |         |
|-------------------------|---------|
| Tested Refrigerant      | R-134a  |
| Tested Application      | HBP     |
| Tested Standard         | EN12900 |
| Tested Cooling          | Fan     |
| Tested Voltage          | 208 V   |
| Tested Frequency        | 60 Hz   |
| Max Refrigerant Charge  | 800 g   |
| Refrigerant Temperature | Dew     |

## RATED POINTS

| Condensing Temperature °C                                                                                 | Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 50                                                                                                        | 5                          | 2343               | 2.08           | 1125                | -         | 58.78              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                            |                    |                |                     |           |                    |

## PERFORMANCE CURVE

### Condensing Temperature 35°C

| Evaporating Temperature °C                                                                                | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                                                                                                       | 1138               | 1.82           | 624                 | -         | 24.09              |
| -10                                                                                                       | 1522               | 2.12           | 720                 | -         | 32.37              |
| -5                                                                                                        | 1961               | 2.40           | 819                 | -         | 41.93              |
| 0                                                                                                         | 2458               | 2.70           | 911                 | -         | 52.87              |
| 5                                                                                                         | 3013               | 3.05           | 989                 | -         | 65.29              |
| 10                                                                                                        | 3628               | 3.49           | 1040                | -         | 79.31              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

## PERFORMANCE CURVE

### Condensing Temperature 45°C

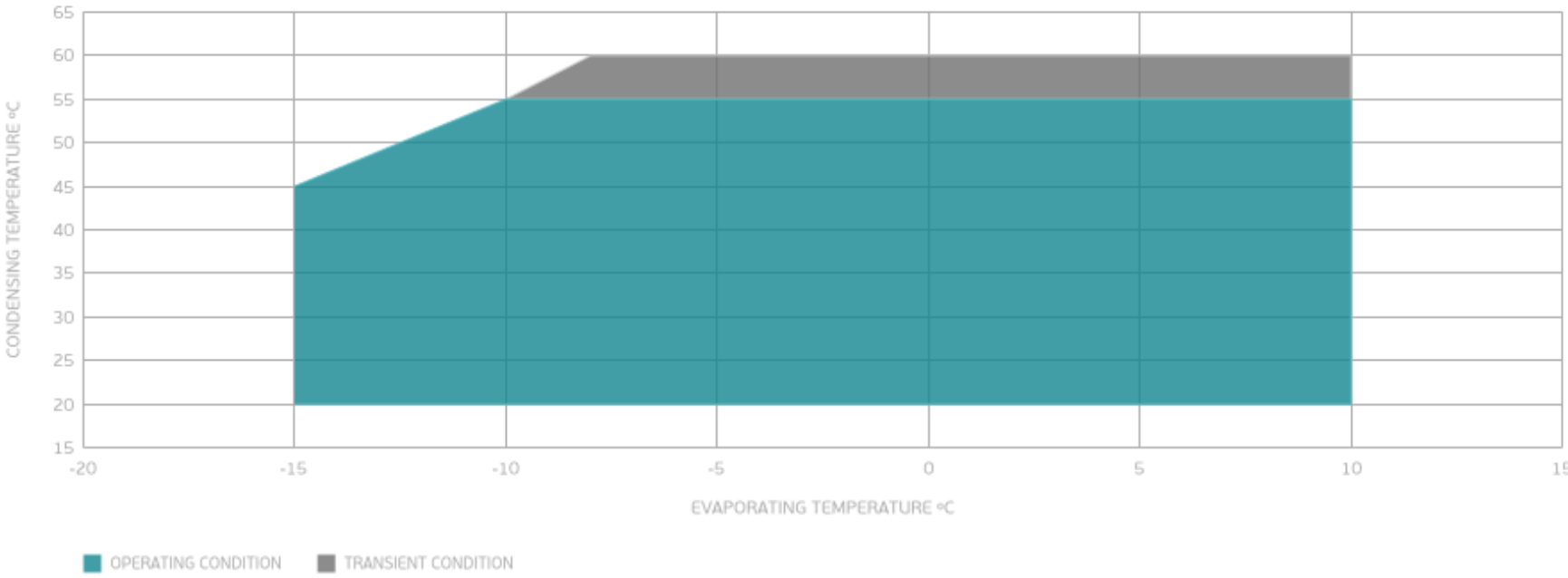
| Evaporating Temperature °C                                                                                | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                                                                                                       | 874                | 1.38           | 634                 | -         | 20.30              |
| -10                                                                                                       | 1213               | 1.65           | 737                 | -         | 28.29              |
| -5                                                                                                        | 1607               | 1.88           | 856                 | -         | 37.67              |
| 0                                                                                                         | 2057               | 2.10           | 981                 | -         | 48.55              |
| 5                                                                                                         | 2563               | 2.33           | 1102                | -         | 61.03              |
| 10                                                                                                        | 3128               | 2.59           | 1210                | -         | 75.23              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

## 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 |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -10                                                                                                       | 943                | 1.31           | 720                 | -         | 24.45              |
| -5                                                                                                        | 1284               | 1.53           | 841                 | -         | 33.49              |
| 0                                                                                                         | 1679               | 1.71           | 980                 | -         | 44.14              |
| 5                                                                                                         | 2129               | 1.89           | 1128                | -         | 56.51              |
| 10                                                                                                        | 2637               | 2.07           | 1273                | -         | 70.72              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

ENVELOPE



EXTERNAL DIMENSIONS

