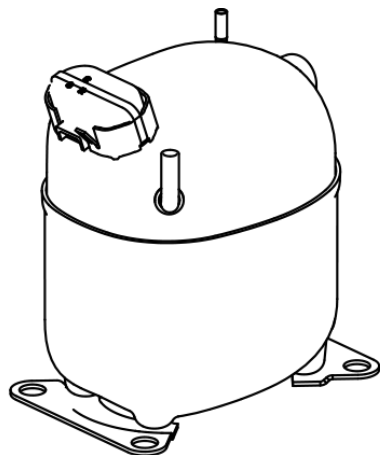


NJ6220Z



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 cm ³ |
| 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 |

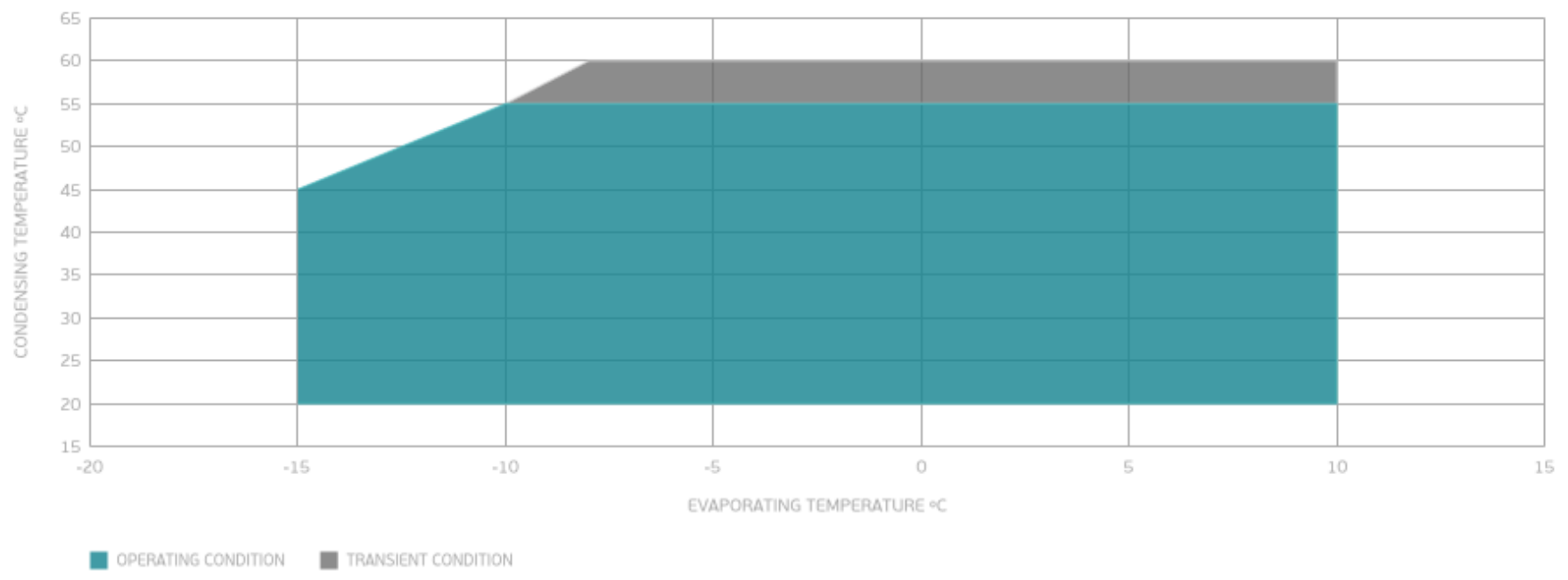
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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

