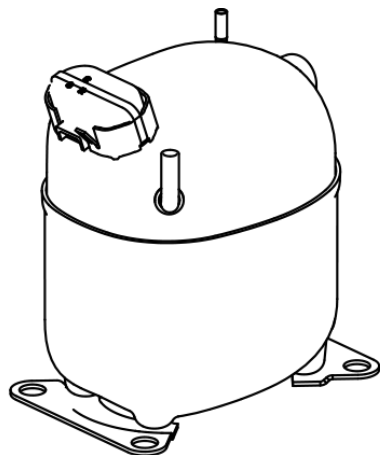


NJ9226GK



ENGINEERING CODE
944LV12



REFRIGERANT
R-404A



POWER SUPPLY
230 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
1648 W



EFFICIENCY
1.68 W/W



DATA

GENERAL DATA

| | |
|------------------------|-----------------------------------|
| Model | NJ9226GK |
| Type | Hermetic Reciprocating |
| Technology | ON/OFF |
| Compressor Application | MBP |
| Expansion Device | Capillary Tube or Expansion Valve |
| Compressor Cooling | Fan/230 |
| HP | 1+ |
| Starting Torque | HST |
| Plant | SLOVAKIA |

ELECTRICAL DATA

| | |
|----------------------------------|----------------|
| Start Winding Resistance | 7.8 Ω at 25°C |
| Run Winding Resistance | 2.12 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz | 27.5 A |

MECHANICAL DATA

| | |
|---------------|-----------------------|
| Displacement | 21.71 cm ³ |
| Oil Charge | 750 ml |
| Oil Type | ESTER |
| Oil Viscosity | ISO22 |
| Weight | 20.7 Kg |

ELECTRICAL COMPONENTS

| | |
|-----------------------------|-----------------|
| Start Capacitor | 88-108 µf/330 V |
| Run Capacitor | 20.0 µf/440 V |
| CSR CSIR BOX | Yes |
| Starting Device Description | RVA4M3C-110 |
| Overload Protection | T0736/C9 |

EXTERNAL CHARACTERISTICS

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

| Connector | Internal Diameter | Shape | Material |
|-----------|-------------------|-----------|----------|
| Suction | 12.77 mm | VERTICAL | COPPER |
| Discharge | 8 mm | SLANTED J | COPPER |
| Process | 6.42 mm | VERTICAL | COPPER |

PERFORMANCE

TESTED CONDITIONS

| | |
|-------------------------|---------|
| Tested Refrigerant | R-404A |
| Tested Application | MBP |
| Tested Standard | EN12900 |
| Tested Cooling | Fan |
| Tested Voltage | 230 V |
| Tested Frequency | 50 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 45 | -10 | 1648 | 1.68 | 978 | 4.44 | 49.48 |

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20 | 1231 | 1.63 | 754 | 3.55 | 31.92 |
| -15 | 1589 | 1.90 | 838 | 3.85 | 41.53 |
| -10 | 2016 | 2.20 | 916 | 4.17 | 53.15 |
| -5 | 2512 | 2.57 | 979 | 4.48 | 66.91 |
| 0 | 3075 | 3.02 | 1020 | 4.78 | 82.96 |

Test Condition: Subcooling 0 K, Return Gas 20 °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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20 | 991 | 1.27 | 780 | 3.63 | 29.21 |
| -15 | 1291 | 1.47 | 877 | 4.03 | 38.40 |
| -10 | 1648 | 1.68 | 978 | 4.44 | 49.48 |
| -5 | 2059 | 1.91 | 1076 | 4.85 | 62.59 |
| 0 | 2525 | 2.17 | 1161 | 5.23 | 77.85 |

Test Condition: Subcooling 0 K, Return Gas 20 °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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -10 | 1254 | 1.25 | 1006 | 4.66 | 44.44 |
| -5 | 1582 | 1.41 | 1125 | 5.16 | 56.87 |
| 0 | 1951 | 1.57 | 1243 | 5.63 | 71.34 |

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

