

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 <sup>3</sup> |
| Oil Charge    | 750 ml                |
| Oil Type      | ESTER                 |
| Oil Viscosity | ISO22                 |
| Weight        | 20.7 Kg               |

ELECTRICAL COMPONENTS

|                     |                 |
|---------------------|-----------------|
| Start Capacitor     | 88-108 µf/330 V |
| CSR CSIR BOX        | Yes             |
| Overload Protection | T0736/C9        |

EXTERNAL CHARACTERISTICS

|            |       |
|------------|-------|
| Base Plate | LARGE |
|------------|-------|

| 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<br>°C                                                                                                                  | Evaporating Temperature<br>°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                                                                                                                                           | 2017               | 2.20           | 916                 | 4.17      | 53.15              |
| -5                                                                                                                                            | 2512               | 2.57           | 979                 | 4.48      | 66.92              |
| 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

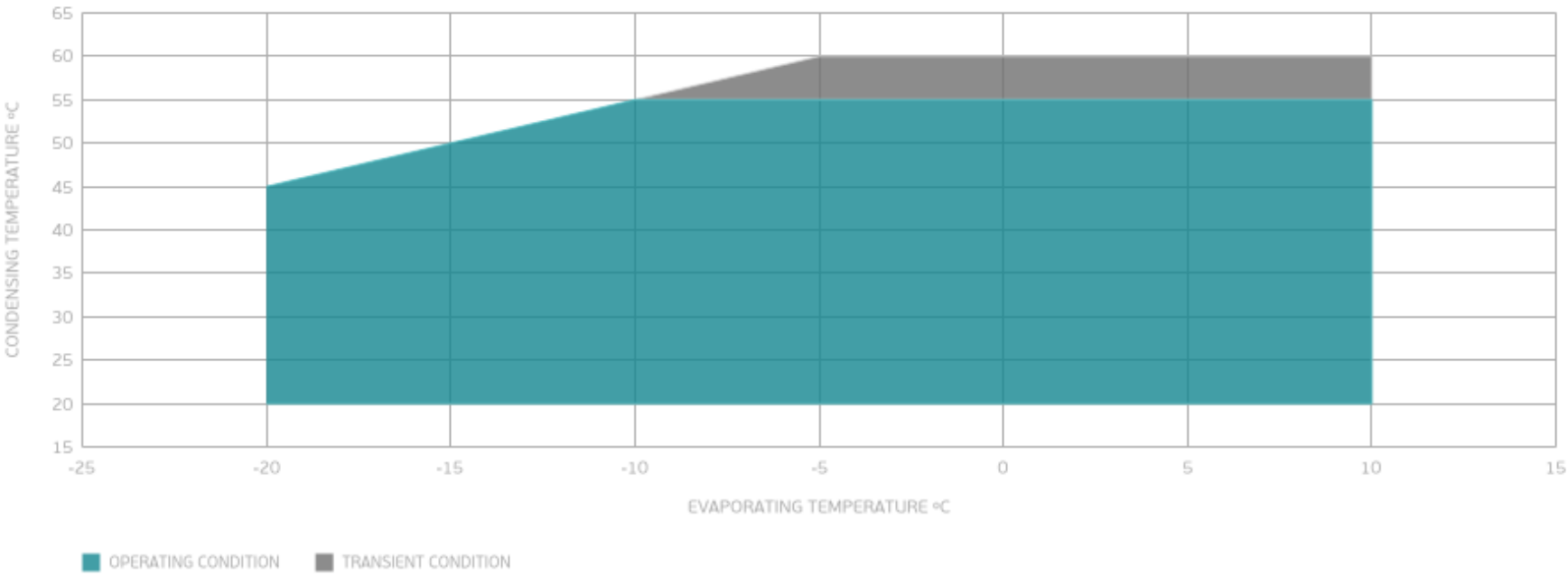
| Evaporating Temperature °C                                                                                                                    | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -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

