

NJ9226GK



**ENGINEERING CODE**  
944LV12

**REFRIGERANT**  
R-404A

**POWER SUPPLY**  
230 V 50 Hz

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
1867 W

**EFFICIENCY**  
1.81 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
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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	ASHRAE
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
54.4	-6.7	1867	1.81	1032	4.53	50.96

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1386	1.86	744	3.33	30.11
-15	1780	2.17	821	3.60	38.88
-10	2250	2.53	891	3.86	49.46
-5	2803	2.96	946	4.11	62.05
0	3442	3.52	978	4.36	76.88

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1165	1.55	752	3.30	27.95
-15	1511	1.79	842	3.68	36.46
-10	1923	2.05	936	4.05	46.72
-5	2406	2.34	1026	4.40	58.94
0	2965	2.68	1106	4.75	73.33

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1578	1.64	960	4.24	43.13
-5	1991	1.86	1072	4.71	54.95
0	2470	2.09	1184	5.17	68.89

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

