

NJ9232GK



**ENGINEERING CODE**  
943NA11

**REFRIGERANT**  
R-404A

**POWER SUPPLY**  
220-240 V 50 Hz

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
1908 W

**EFFICIENCY**  
1.61 W/W



DATA

GENERAL DATA

Model	NJ9232GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.4 Ω at 25°C
Run Winding Resistance	1.75 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	43 A

## MECHANICAL DATA

Displacement	26.11 cm <sup>3</sup>
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21.6 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0809/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	EN12900
Tested Cooling	Fan
Tested Voltage	220 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	1908	1.61	1182	5.66	57.29

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	1431	1.52	944	4.68	37.10
-15	1874	1.80	1043	5.08	48.97
-10	2391	2.10	1140	5.46	63.02
-5	2981	2.44	1221	5.83	79.41
0	3644	2.86	1272	6.20	98.31

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	1096	1.14	962	4.73	32.32
-15	1471	1.38	1064	5.19	43.74
-10	1908	1.61	1182	5.66	57.29
-5	2406	1.85	1300	6.12	73.13
0	2965	2.11	1404	6.61	91.42

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	1419	1.20	1181	5.81	50.29
-5	1821	1.38	1316	6.37	65.49
0	2272	1.56	1452	6.96	83.08

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

