

NJ9232GK



ENGINEERING CODE
943NA11

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
2292 W

EFFICIENCY
1.88 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 ³
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
------------	-------

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	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
54.4	-6.7	2292	1.88	1217	5.71	62.55

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	1691	1.97	859	4.38	36.73
-15	2175	2.28	956	4.63	47.51
-10	2755	2.64	1043	4.88	60.55
-5	3440	3.10	1111	5.13	76.17
0	4238	3.68	1153	5.39	94.65

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	1421	1.64	869	4.37	34.08
-15	1846	1.88	981	4.75	44.55
-10	2355	2.15	1097	5.14	57.22
-5	2955	2.44	1209	5.52	72.38
0	3653	2.79	1308	5.90	90.34

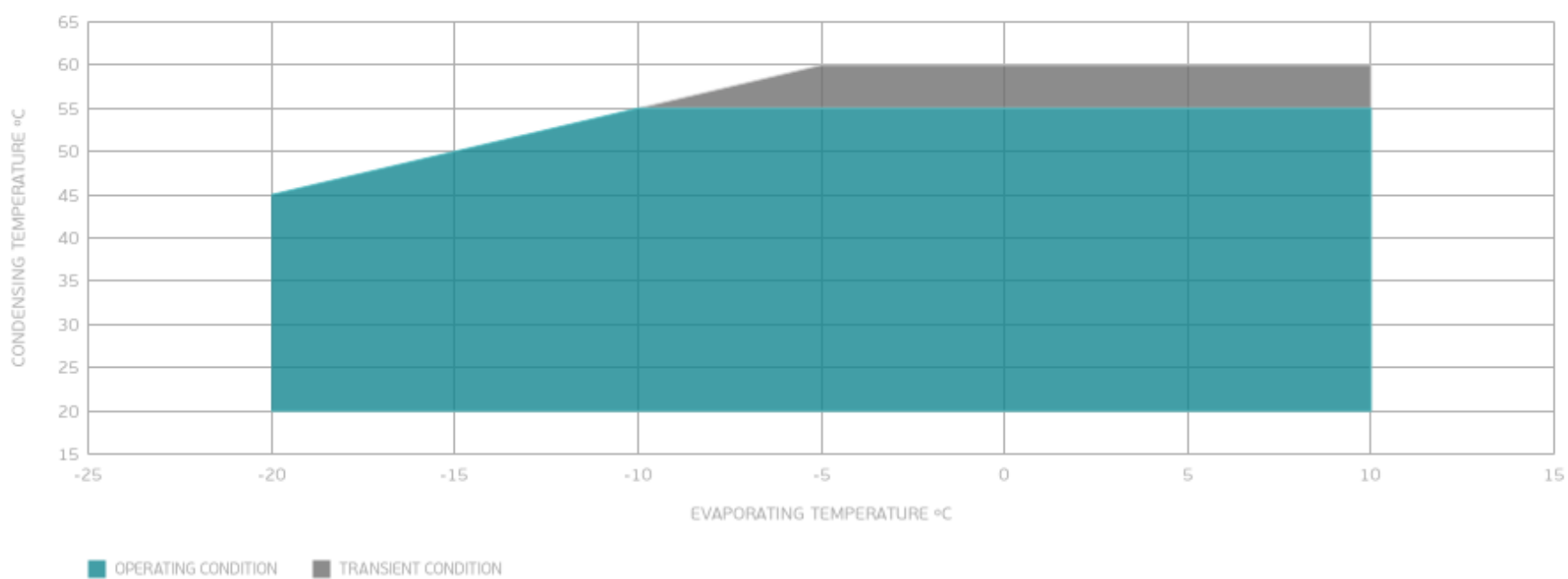
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1932	1.71	1128	5.40	52.82
-5	2446	1.93	1266	5.91	67.51
0	3045	2.17	1405	6.43	84.93

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

