

NJ9238GK



ENGINEERING CODE
943RV11



REFRIGERANT
R-404A



POWER SUPPLY
230 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
2428 W



EFFICIENCY
1.59 W/W

DATA

GENERAL DATA

Model	NJ9238GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1 1/2
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	32.67 cm ³
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	22.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 μf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0878/C9 OR MRA3764-

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	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	2428	1.59	1532	7.43	72.91
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	1896	1.62	1170	6.08	49.15
-15	2410	1.83	1314	6.57	62.97
-10	2997	2.06	1457	7.09	79.01
-5	3650	2.30	1584	7.65	97.25
0	4364	2.59	1683	8.22	117.70
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

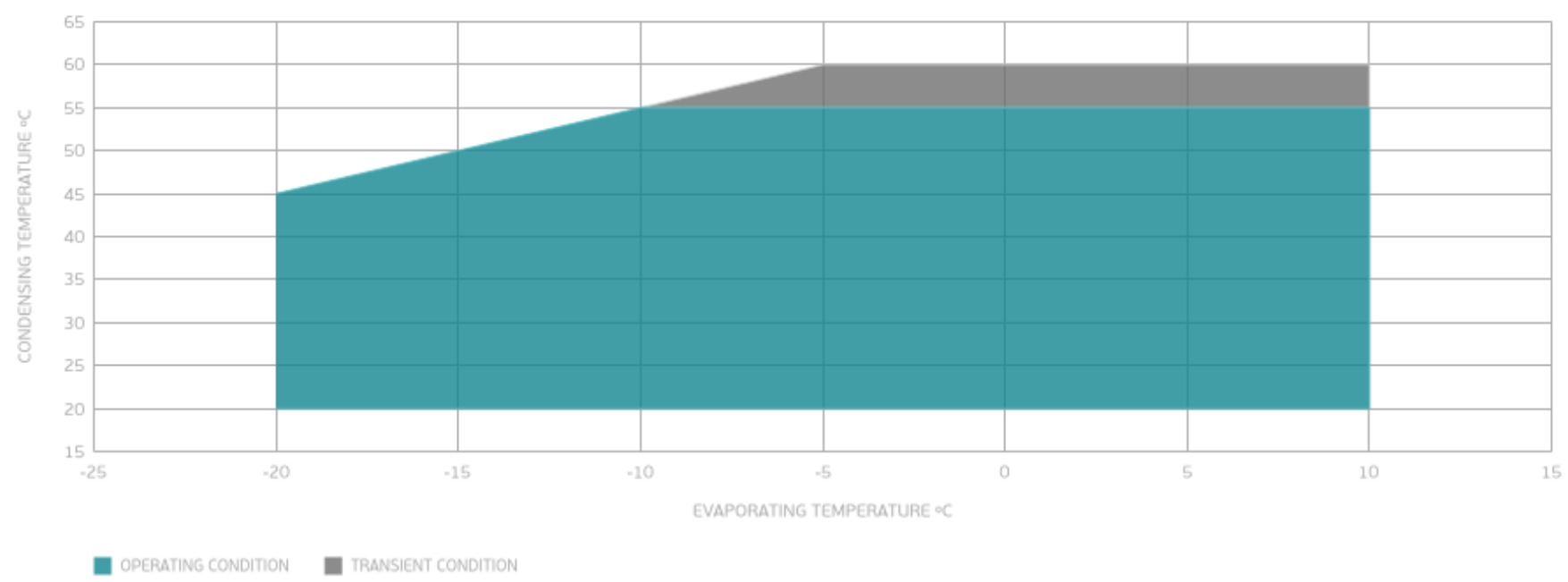
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	1515	1.25	1211	6.20	44.66
-15	1938	1.42	1362	6.80	57.61
-10	2428	1.59	1532	7.43	72.91
-5	2979	1.74	1708	8.10	90.55
0	3584	1.91	1875	8.81	110.53
Test Condition: Subcooling 0 K, Return Gas 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	1886	1.20	1568	7.70	66.84
-5	2324	1.32	1762	8.44	83.55
0	2810	1.43	1968	9.23	102.73
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

