

NEK6213GK



ENGINEERING CODE
959JD92

REFRIGERANT
R-404A

POWER SUPPLY
208-230 V 60 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
1245 W

EFFICIENCY
1.52 W/W



DATA

GENERAL DATA

Model	NEK6213GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1/2+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	19.98 Ω at 25°C
Run Winding Resistance	2.13 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	30 A

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	MRA6981-3265

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	6.45 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	208 V
Tested Frequency	60 Hz
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	1245	1.52	819	5.47	33.98

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	965	1.74	553	4.39	20.95
-15	1196	1.95	614	4.60	26.14
-10	1464	2.13	688	4.85	32.18
-5	1769	2.30	768	5.14	39.15
0	2111	2.49	847	5.47	47.15
5	2493	2.72	916	5.84	56.25
10	2913	3.01	969	6.25	66.54

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	832	1.37	609	4.49	19.95
-15	1038	1.56	666	4.74	25.05
-10	1275	1.71	744	5.03	30.99
-5	1546	1.85	835	5.36	37.85
0	1849	1.98	932	5.73	45.73
5	2186	2.13	1027	6.13	54.70
10	2558	2.30	1112	6.57	64.85

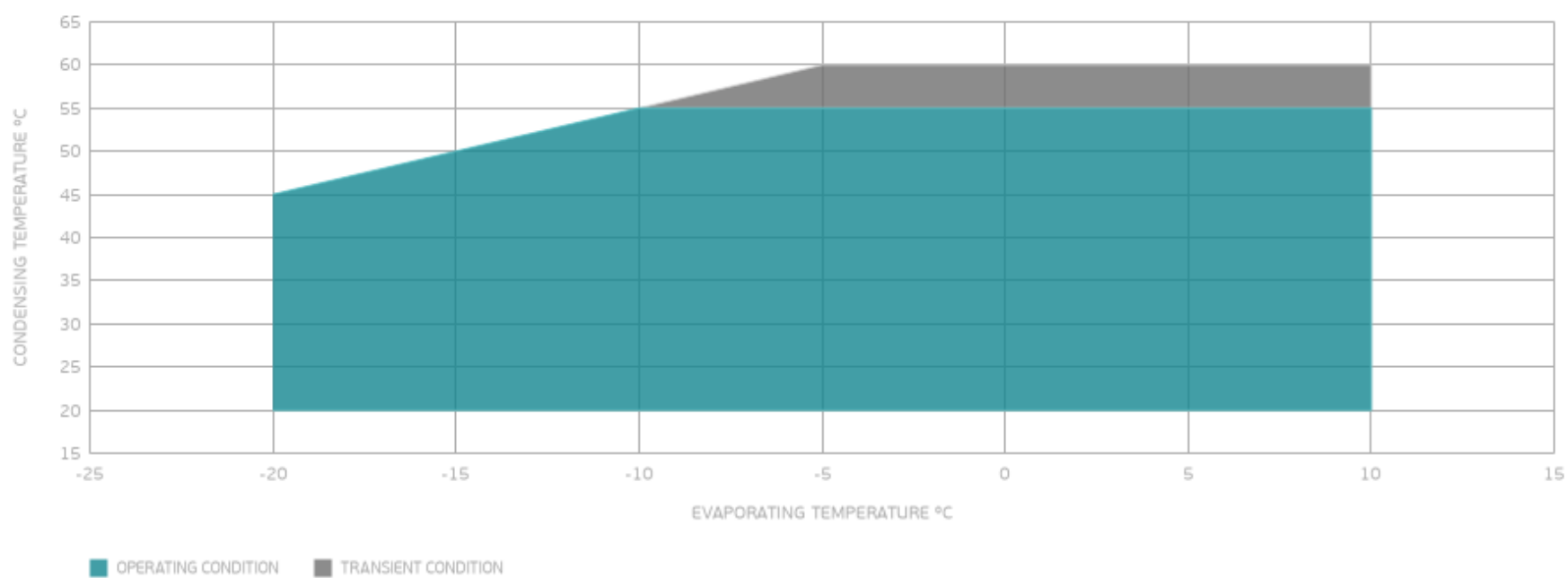
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1081	1.42	761	5.24	29.54
-5	1315	1.55	851	5.61	36.28
0	1578	1.65	954	6.02	44.01
5	1869	1.76	1062	6.46	52.84
10	2191	1.88	1168	6.93	62.83

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

