

NEK6213GK



ENGINEERING CODE
959BA51

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
959 W

EFFICIENCY
1.44 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/220
HP	1/2+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	20.88 Ω at 25°C
Run Winding Resistance	3.93 Ω at 25°C

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0050*
Overload Protection	T0743/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	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
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	959	1.44	666	-	28.78

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	809	1.57	514	-	20.91
-15	975	1.75	558	-	25.53
-10	1165	1.91	611	-	30.75
-5	1385	2.08	666	-	36.88
0	1641	2.29	717	-	44.22
5	1938	2.56	758	-	53.05
10	2284	2.91	785	-	63.69

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	647	1.16	560	-	19.07
-15	794	1.31	606	-	23.61
-10	959	1.44	666	-	28.78
-5	1148	1.56	735	-	34.87
0	1369	1.70	807	-	42.18
5	1626	1.85	877	-	51.02
10	1926	2.05	937	-	61.67

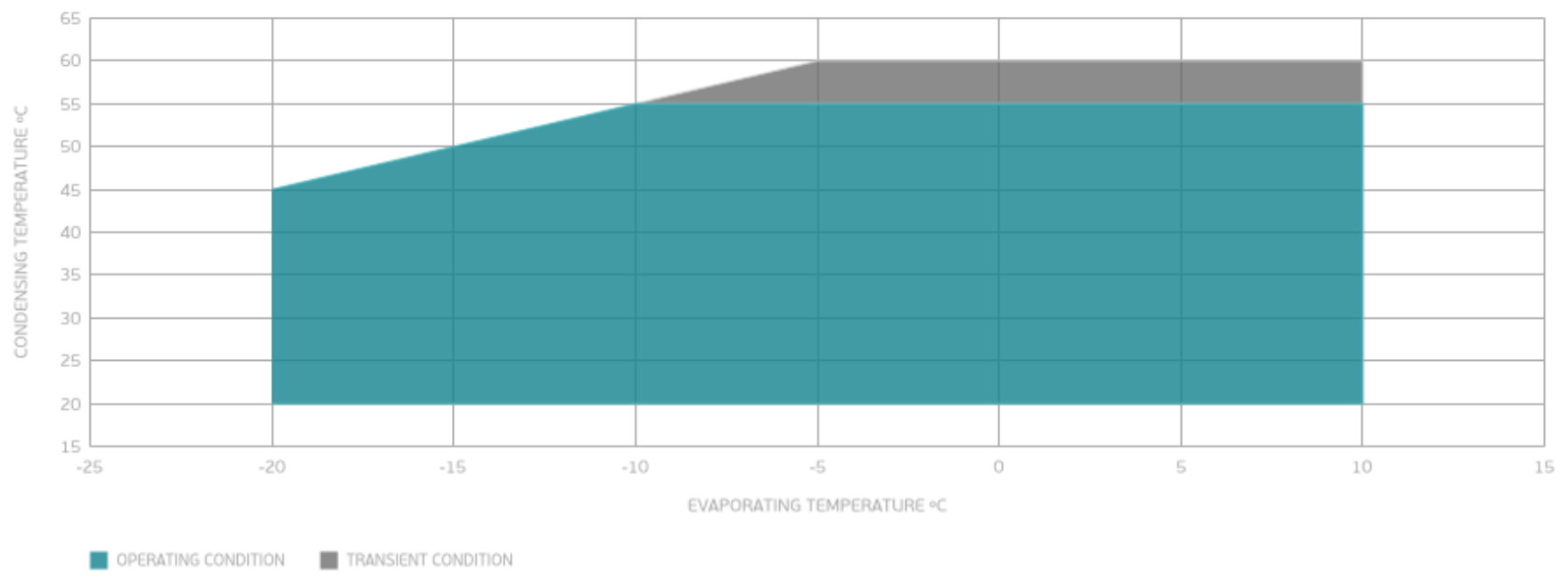
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	753	1.10	684	-	26.65
-5	909	1.20	759	-	32.67
0	1090	1.29	843	-	39.92
5	1303	1.40	931	-	48.72
10	1554	1.53	1017	-	59.35

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

