

NEK6217GK



ENGINEERING CODE
959GA51



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
1137 W



EFFICIENCY
1.65 W/W



DATA

GENERAL DATA

Model	NEK6217GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	11.7 Ω at 25°C
Run Winding Resistance	3.56 Ω at 25°C

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
Run Capacitor	15.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA403C-123
Overload Protection	T0188/G9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
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	1137	1.65	691	-	34.13

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	896	1.68	534	-	23.23
-15	1101	1.90	581	-	28.79
-10	1343	2.12	635	-	35.41
-5	1625	2.35	690	-	43.25
0	1948	2.62	743	-	52.51
5	2313	2.94	787	-	63.35
10	2723	3.34	816	-	75.96

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	756	1.30	579	-	22.26
-15	931	1.48	628	-	27.69
-10	1137	1.65	691	-	34.13
-5	1375	1.81	761	-	41.76
0	1646	1.97	835	-	50.76
5	1953	2.15	907	-	61.31
10	2297	2.37	971	-	73.57

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

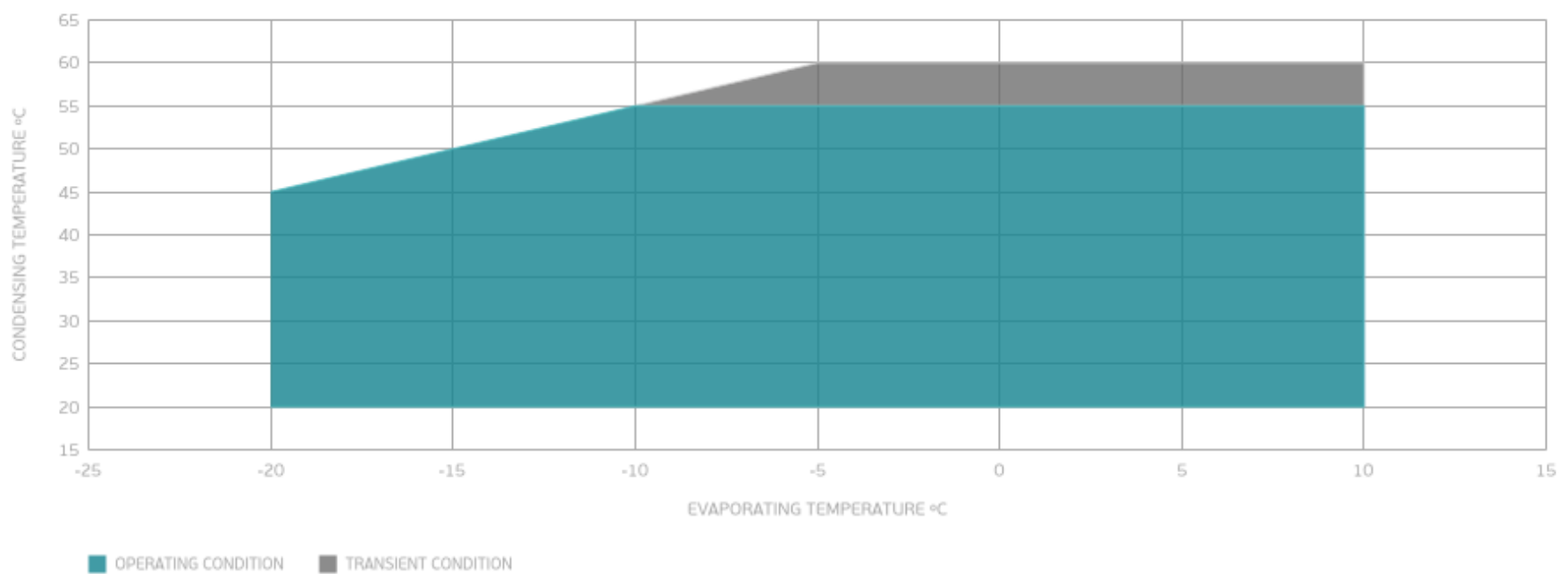
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	914	1.29	708	-	32.38
-5	1107	1.41	785	-	39.78
0	1326	1.52	872	-	48.51
5	1573	1.63	963	-	58.75
10	1849	1.76	1054	-	70.67

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

ENVELOPE



External

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

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

