

NEK6217GK



**ENGINEERING CODE**  
959GA51



**REFRIGERANT**  
R-404A



**POWER SUPPLY**  
220-240 V 50 Hz



**APPLICATION**  
MBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
1136 W



**EFFICIENCY**  
1.64 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 <sup>3</sup>
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

## 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	1136	1.64	691	-	34.12

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	894	1.68	531	-	23.15
-15	1099	1.90	577	-	28.75
-10	1343	2.12	632	-	35.42
-5	1626	2.36	690	-	43.31
0	1950	2.62	744	-	52.59
5	2316	2.94	789	-	63.43
10	2725	3.33	819	-	75.99

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	754	1.30	581	-	22.22
-15	930	1.48	629	-	27.65
-10	1136	1.64	691	-	34.12
-5	1375	1.80	762	-	41.77
0	1647	1.97	836	-	50.78
5	1954	2.15	908	-	61.32
10	2297	2.37	970	-	73.54

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	915	1.29	708	-	32.40
-5	1107	1.41	784	-	39.79
0	1326	1.52	870	-	48.50
5	1571	1.64	959	-	58.70
10	1846	1.76	1046	-	70.55

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

## ENVELOPE



## EXTERNAL DIMENSIONS

