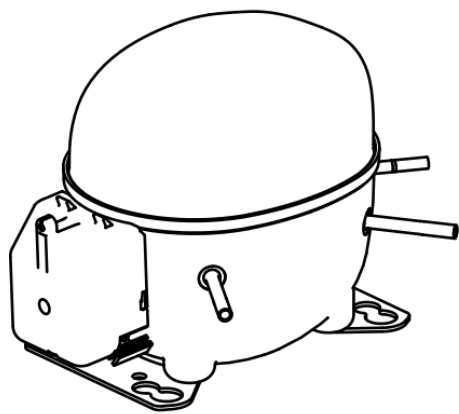


NEK6217U



**ENGINEERING CODE**  
863GA51



**REFRIGERANT**  
R-290



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



**APPLICATION**  
MBP



**MOTOR TYPE**  
CSIR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
1015 W



**EFFICIENCY**  
1.71 W/W



DATA

GENERAL DATA

Model	NEK6217U
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	13.9 Ω at 25°C
Run Winding Resistance	3.1 Ω at 25°C

## MECHANICAL DATA

Displacement	14.28 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	11.6 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0485/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-290
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	1015	1.71	592	-	12.49

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	786	1.71	458	-	8.70
-15	965	1.95	495	-	10.76
-10	1175	2.20	535	-	13.16
-5	1418	2.48	571	-	15.97
0	1694	2.82	600	-	19.23
5	2007	3.26	615	-	22.98
10	2358	3.86	611	-	27.27

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	676	1.34	505	-	8.23
-15	832	1.53	544	-	10.18
-10	1015	1.71	592	-	12.49
-5	1228	1.91	642	-	15.21
0	1472	2.13	690	-	18.39
5	1749	2.40	730	-	22.07
10	2062	2.73	757	-	26.30

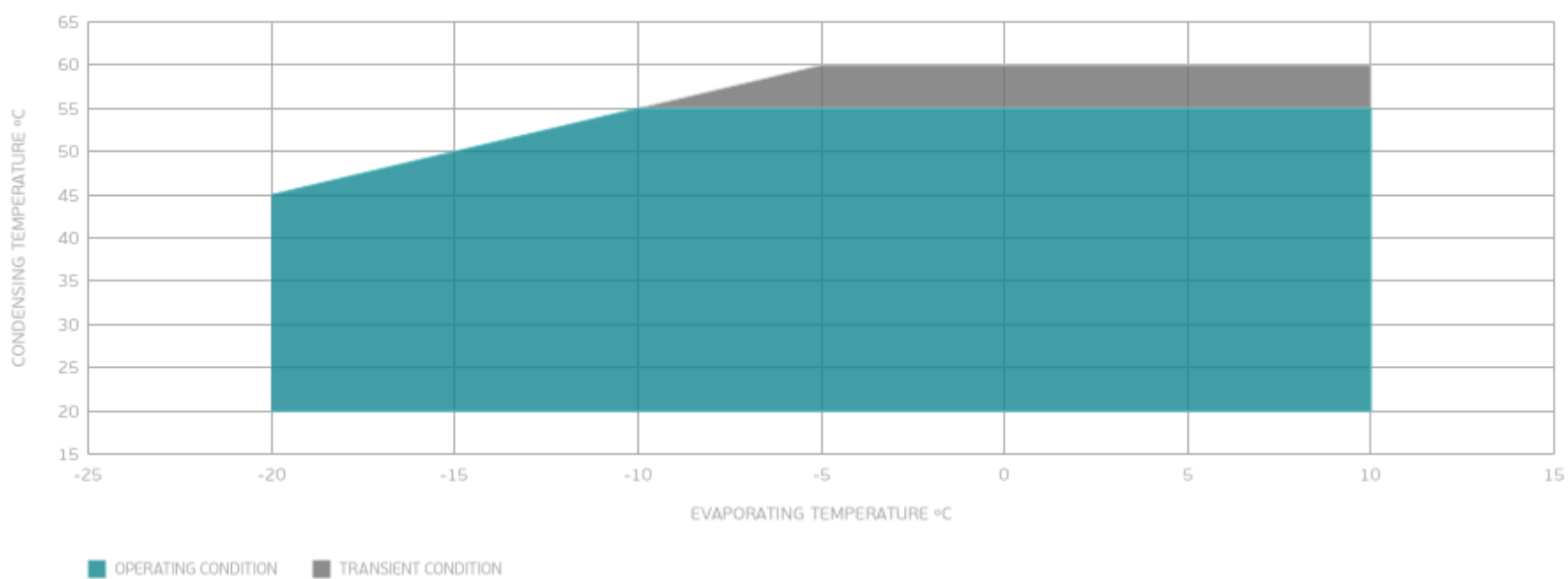
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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	860	1.38	624	-	11.82
-5	1042	1.53	681	-	14.42
0	1251	1.69	742	-	17.49
5	1492	1.87	800	-	21.07
10	1764	2.07	850	-	25.21

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

## ENVELOPE



## EXTERNAL DIMENSIONS

