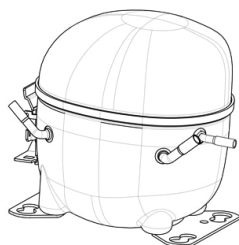


NEK6212Z



ENGINEERING CODE
269AA51

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
1321 W

EFFICIENCY
2.11 W/W



DATA

GENERAL DATA

Model	NEK6212Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.95 Ω at 25°C
Run Winding Resistance	5.11 Ω at 25°C

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0741/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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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-134a
Tested Application	HBP
Tested Standard	ASHRAE
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
54.4	7.2	1321	2.11	625	3.76	29.22

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
-15	650	1.89	343	2.87	11.99
-10	815	2.15	378	2.95	15.09
-5	1013	2.42	419	3.05	18.82
0	1248	2.72	460	3.18	23.29
5	1523	3.07	495	3.32	28.58
10	1842	3.54	521	3.51	34.79

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
-15	578	1.53	378	2.90	11.51
-10	728	1.76	413	3.02	14.56
-5	907	1.97	460	3.16	18.23
0	1119	2.18	513	3.31	22.59
5	1367	2.41	567	3.49	27.76
10	1654	2.68	617	3.69	33.82

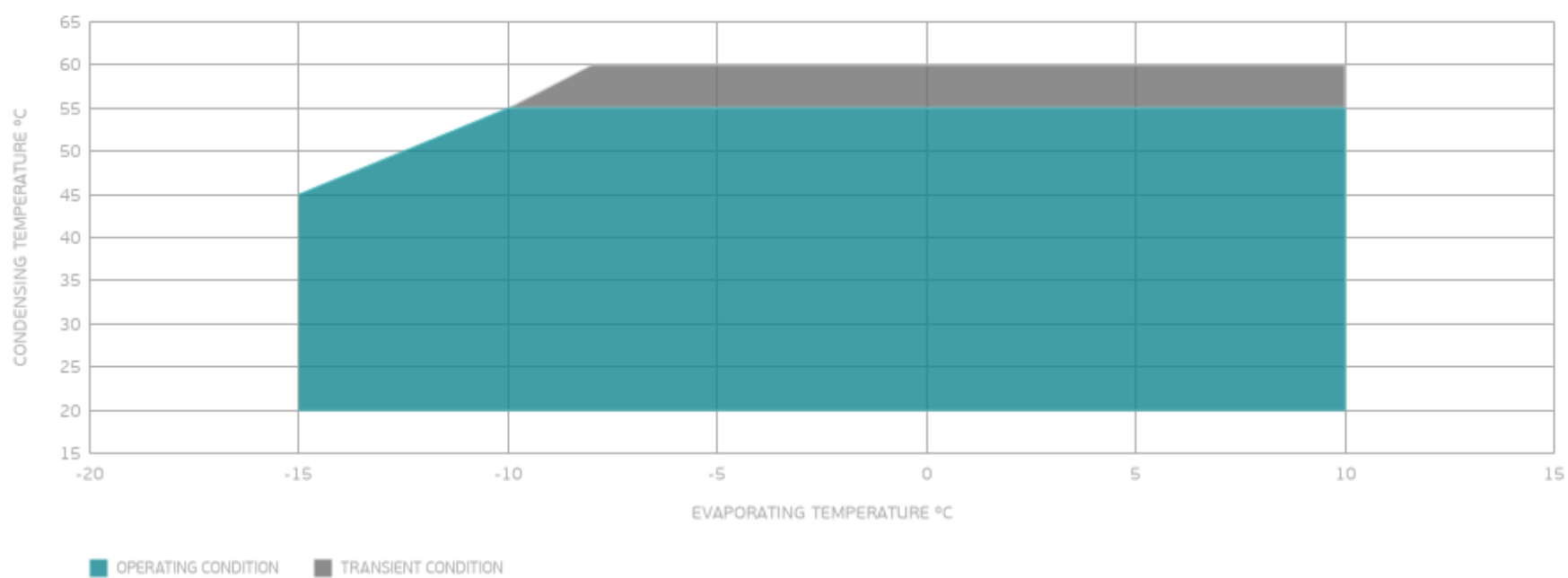
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	629	1.47	428	3.10	13.73
-5	791	1.67	473	3.28	17.32
0	980	1.84	532	3.47	21.60
5	1201	2.01	597	3.68	26.65
10	1458	2.20	663	3.91	32.57

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

