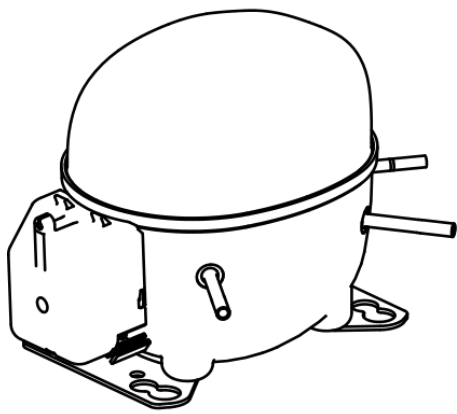


NEK6214Z



ENGINEERING CODE
269JA92



REFRIGERANT
R-134a



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
HBP



MOTOR TYPE
CSIR



STANDARD
CECOMAF



COOLING CAPACITY
1217 W



EFFICIENCY
1.71 W/W

DATA

GENERAL DATA

Model	NEK6214Z
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	10.63 Ω at 25°C
Run Winding Resistance	3.13 Ω at 25°C

MECHANICAL DATA

Displacement	16.8 cm³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0012-65*
Overload Protection	T0899/G6

EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	CECOMAF
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
55	5	1217	1.71	712	-	29.91
Test Condition: Subcooling 0 K, Return Gas 32 °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
-15	651	1.58	412	-	12.98
-10	832	1.82	457	-	16.66
-5	1047	2.06	509	-	21.06
0	1298	2.32	560	-	26.23
5	1585	2.63	602	-	32.23
10	1909	3.03	629	-	39.10
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

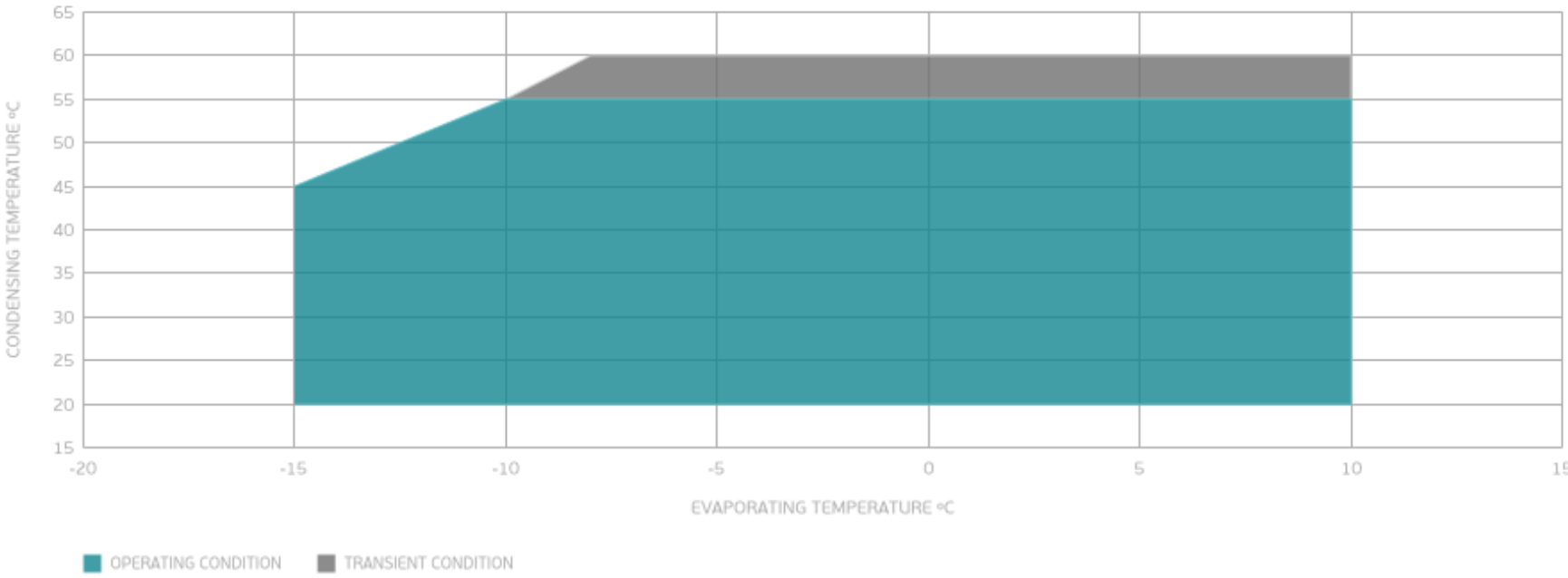
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	568	1.27	447	-	12.35
-10	728	1.48	491	-	15.91
-5	920	1.67	549	-	20.19
0	1145	1.86	615	-	25.25
5	1402	2.06	681	-	31.15
10	1695	2.29	740	-	37.93
Test Condition: Subcooling 0 K, Return Gas 32 °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	627	1.23	510	-	15.12
-5	794	1.41	564	-	19.24
0	990	1.56	633	-	24.15
5	1217	1.71	712	-	29.91
10	1476	1.87	791	-	36.56
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

