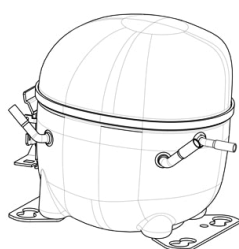


NEK1118Z



ENGINEERING CODE
268FA42

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR/RSCR

STANDARD
EN12900

COOLING CAPACITY
112 W

EFFICIENCY
1.08 W/W



DATA

GENERAL DATA

Model	NEK1118Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/4
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	16.4 Ω at 25°C
Run Winding Resistance	11.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	6.9 A
Rated Load Amperage (LMBP) at 50 Hz	0.9 A

MECHANICAL DATA

Displacement	8.39 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.7 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Overload Protection	AD58FJ10

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.86 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Static
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
40	-35	112	1.08	104	-	2.46

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
-35	122	1.20	102	-	2.55
-30	166	1.40	118	-	3.48
-25	221	1.61	138	-	4.66
-20	290	1.83	158	-	6.12
-15	372	2.08	179	-	7.88
-10	469	2.36	199	-	9.97

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
-35	102	0.98	105	-	2.35
-30	141	1.15	123	-	3.25
-25	191	1.32	144	-	4.40
-20	252	1.49	169	-	5.81
-15	325	1.67	194	-	7.53
-10	410	1.86	220	-	9.57

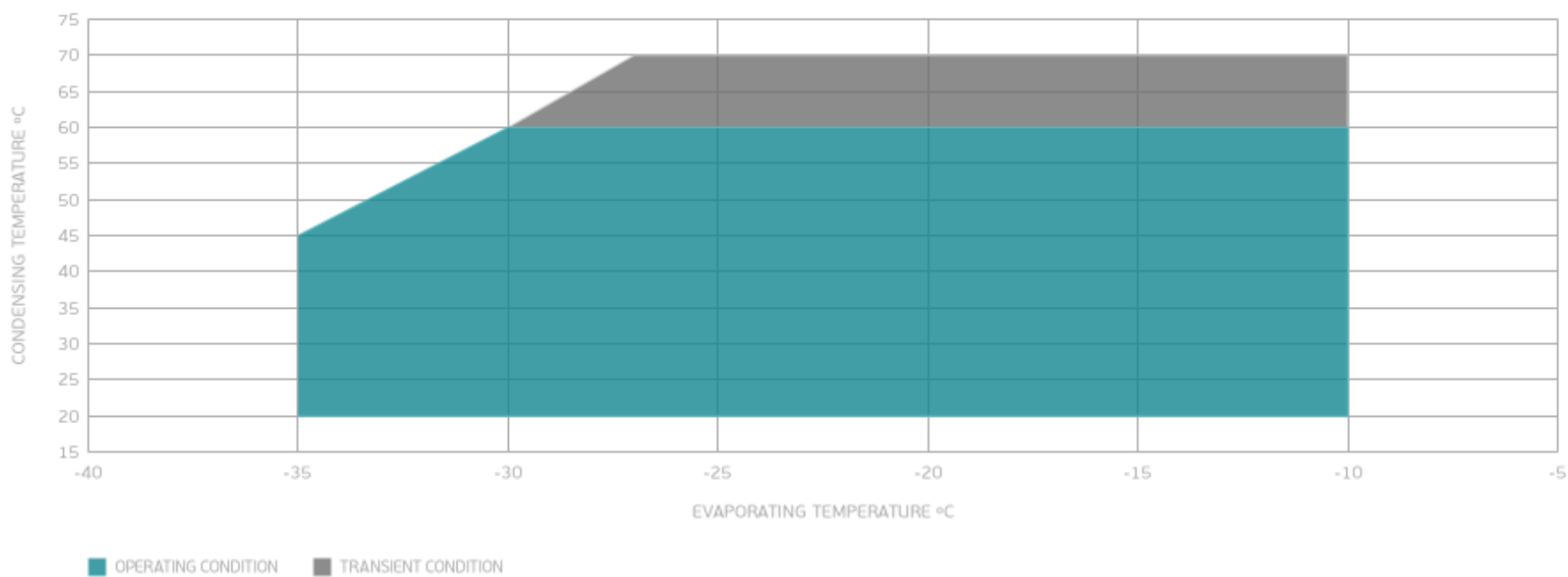
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-30	115	0.96	120	-	2.94
-25	158	1.10	144	-	4.05
-20	211	1.23	171	-	5.42
-15	275	1.37	201	-	7.09
-10	350	1.51	232	-	9.08

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

ENVELOPE



EXTERNAL DIMENSIONS

