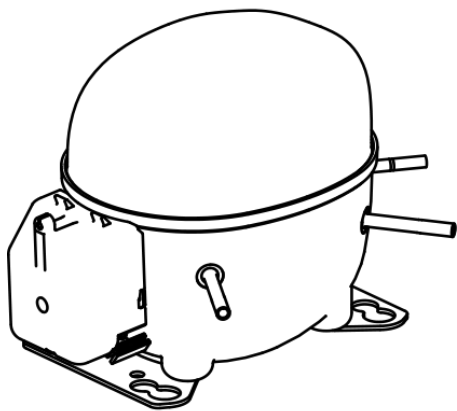


NEK1118Z



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

MECHANICAL DATA

Displacement	8.39 cm³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.7 Kg

ELECTRICAL COMPONENTS

Run Capacitor	4.0 µf/450 V
CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	V230
Overload Protection	T0503/07

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

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

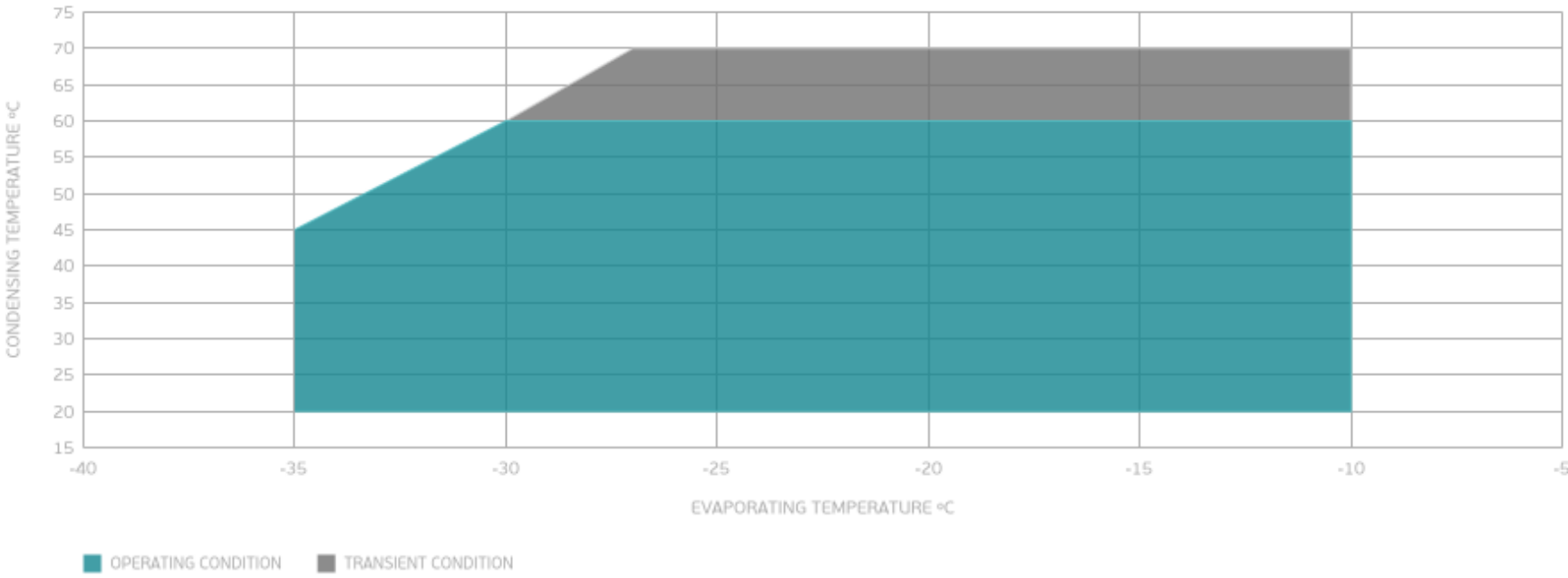
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	102	0.98	105	-	2.35
-30	141	1.15	123	-	3.25
-25	191	1.32	144	-	4.40
-20	252	1.49	169	-	5.81
-15	325	1.67	194	-	7.53
-10	410	1.86	220	-	9.57
Test Condition: Subcooling 0 K, Return Gas 20 °C. 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

