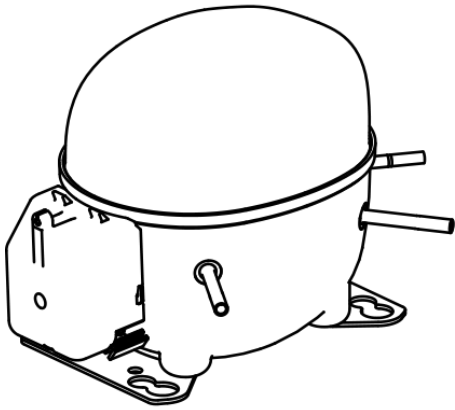


NEK1118Z



ENGINEERING CODE
268FA42



REFRIGERANT
R-134a



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
RSIR/RSCR



STANDARD
ASHRAE



COOLING CAPACITY
222 W



EFFICIENCY
1.45 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	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
Refrigerant Temperature	Dew

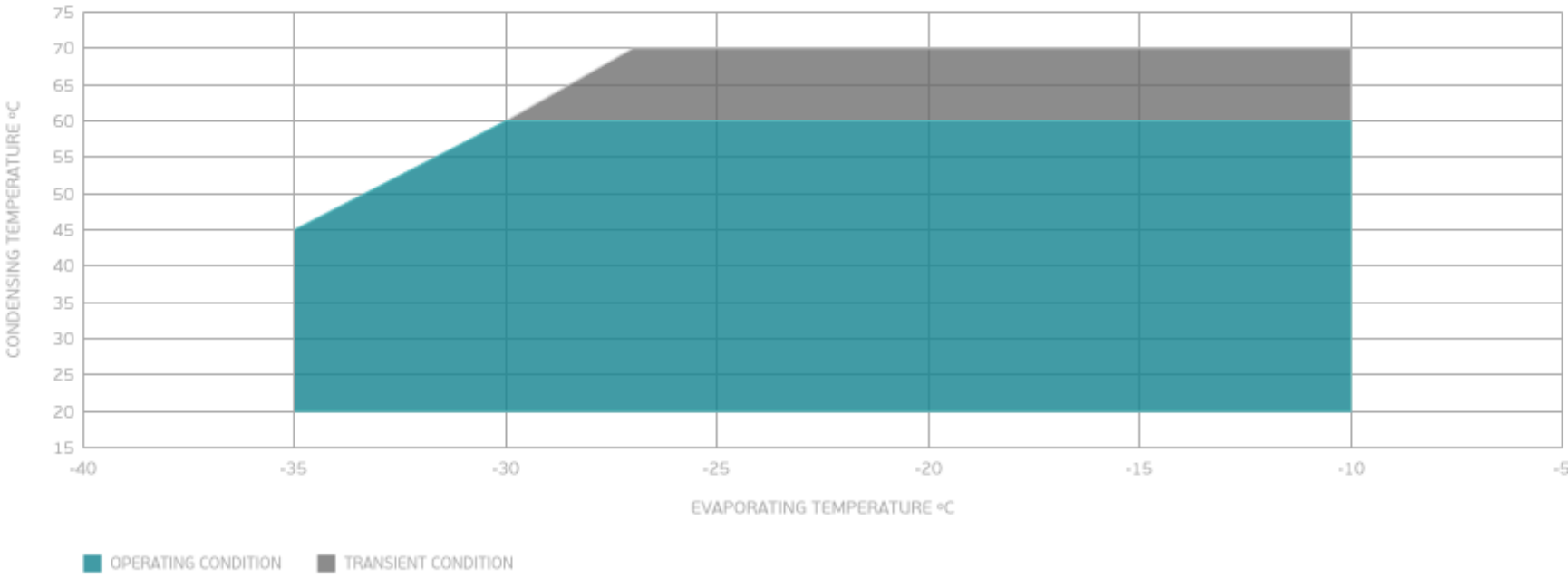
RATED POINTS						
Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
54.4	-23.3	222	1.45	153	0.72	4.31
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation 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
-35	126	1.24	102	0.50	2.44
-30	172	1.45	118	0.57	3.33
-25	230	1.67	138	0.64	4.46
-20	301	1.90	158	0.72	5.85
-15	386	2.15	179	0.81	7.52
-10	486	2.44	199	0.91	9.51
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °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
-35	116	1.11	104	0.50	2.25
-30	161	1.31	123	0.58	3.11
-25	217	1.50	145	0.66	4.21
-20	286	1.69	169	0.76	5.56
-15	369	1.89	195	0.86	7.19
-10	467	2.11	221	0.98	9.13
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °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
-30	145	1.21	120	0.59	2.81
-25	200	1.39	144	0.68	3.87
-20	267	1.56	171	0.79	5.18
-15	347	1.73	201	0.92	6.77
-10	443	1.90	233	1.05	8.66
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

ENVELOPE



EXTERNAL DIMENSIONS

