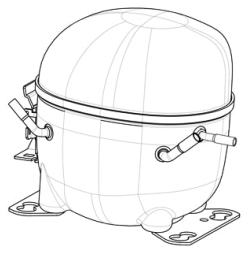
COMPRESSOR TECHNICAL DATA

NEK2125GK



ENGINEERING CODE
957EA51

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
340 W

EFFICIENCY
1.23 W/W

DATA

GENERAL DATA

Model	NEK2125GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.7 Ω at 25°C
Run Winding Resistance	6.0 Ω at 25°C

MECHANICAL DATA

Displacement	6.2 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0186/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL

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-404A
Tested Application	LBP
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	-23.3	340	1.23	277	2.04	7.87

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	173	0.97	179	1.81	3.96
-35	221	1.10	200	1.86	5.08
-30	279	1.25	223	1.91	6.44
-25	350	1.43	245	1.96	8.11
-20	436	1.63	267	2.01	10.15
-15	538	1.88	286	2.07	12.61
-10	659	2.18	302	2.13	15.55

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	159	0.88	182	1.81	3.64
-35	207	1.01	206	1.86	4.76
-30	265	1.14	232	1.92	6.11
-25	335	1.29	260	1.98	7.75
-20	418	1.45	288	2.05	9.73
-15	518	1.65	315	2.13	12.12
-10	636	1.87	340	2.21	14.97

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

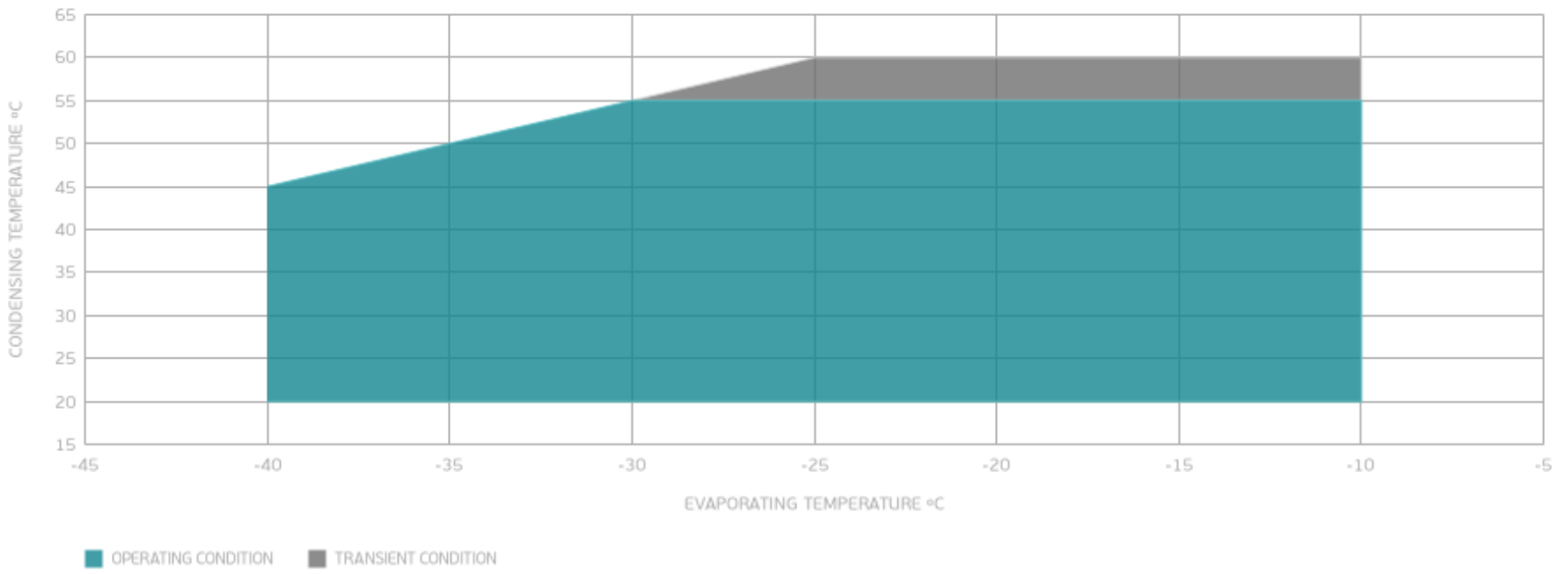
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	244	1.04	234	1.94	5.60
-25	312	1.18	266	2.01	7.21
-20	394	1.32	299	2.09	9.15
-15	492	1.48	333	2.19	11.48
-10	606	1.65	367	2.30	14.26

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS