

NE2121Z



**ENGINEERING CODE**  
262BA50

**REFRIGERANT**  
R-134a

**POWER SUPPLY**  
220-240 V 50 Hz

**APPLICATION**  
LBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
251 W

**EFFICIENCY**  
1.25 W/W



DATA

GENERAL DATA

Model	NE2121Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	21.1 Ω at 25°C
Run Winding Resistance	7.7 Ω at 25°C

## MECHANICAL DATA

Displacement	9.26 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.9 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0057/G5

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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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-134a
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	251	1.25	200	1.67	4.87

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
-30	196	1.19	165	1.56	3.80
-25	260	1.41	185	1.63	5.05
-20	339	1.63	208	1.70	6.58
-15	432	1.86	232	1.77	8.42
-10	542	2.13	254	1.85	10.60
-5	669	2.44	274	1.93	13.14

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
-30	182	1.07	170	1.58	3.53
-25	245	1.28	191	1.64	4.74
-20	321	1.48	218	1.71	6.24
-15	413	1.67	247	1.79	8.04
-10	521	1.88	277	1.89	10.19
-5	646	2.11	306	2.00	12.69

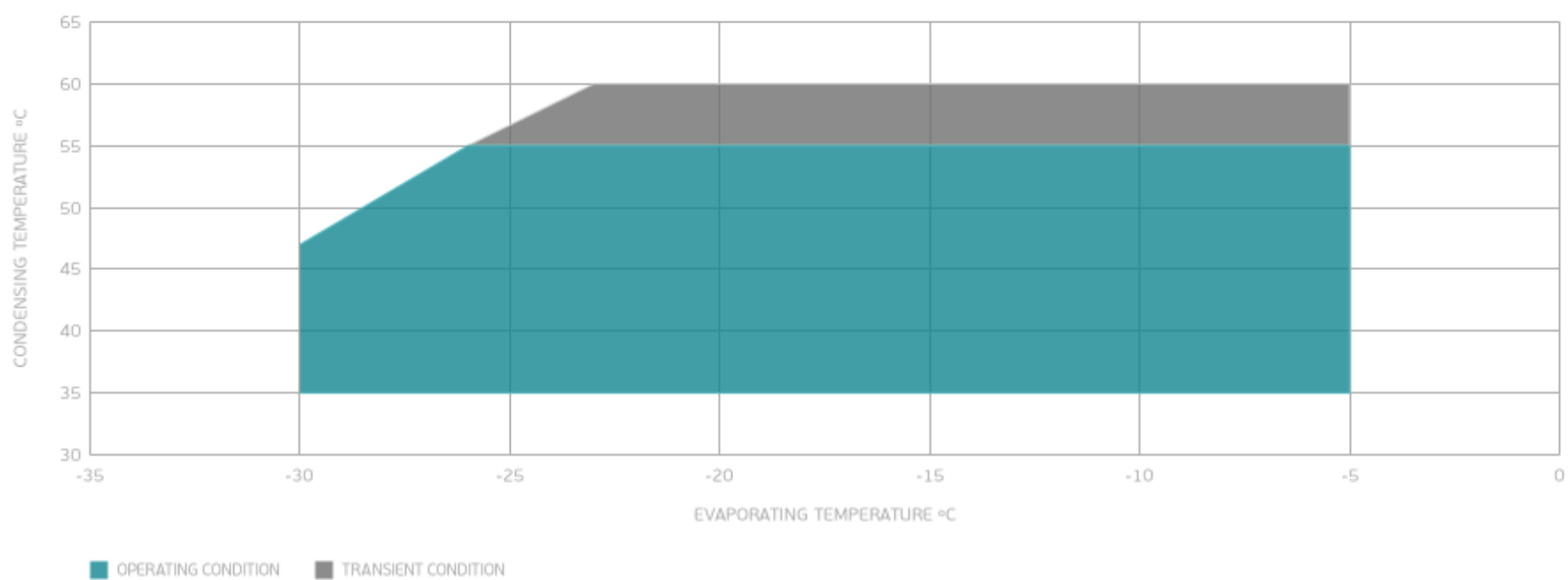
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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
-25	227	1.18	191	1.65	4.39
-20	300	1.37	219	1.72	5.84
-15	390	1.55	251	1.81	7.60
-10	496	1.73	287	1.93	9.69
-5	619	1.92	323	2.07	12.15

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

