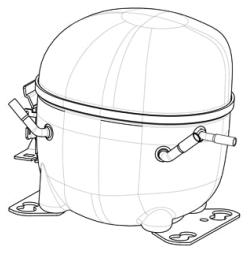
COMPRESSOR TECHNICAL DATA

NE2130Z



ENGINEERING CODE
262DG70

REFRIGERANT
R-134a

POWER SUPPLY
115 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
367 W

EFFICIENCY
1.22 W/W

DATA

GENERAL DATA

Model	NE2130Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/115
HP	1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	9.15 Ω at 25°C
Run Winding Resistance	1.2 Ω at 25°C

MECHANICAL DATA

Displacement	12.11 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	145-175 µf/250 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0748/G9

EXTERNAL CHARACTERISTICS

Base Plate	UNI

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	115 V
Tested Frequency	60 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	367	1.22	301	4.9	7.13

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
-30	284	1.19	237	4.76	5.49
-25	369	1.35	273	4.83	7.16
-20	473	1.50	316	4.96	9.19
-15	597	1.66	360	5.14	11.64
-10	744	1.85	402	5.37	14.56
-5	917	2.09	438	5.65	18.01

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
-30	269	1.07	251	4.73	5.20
-25	355	1.25	285	4.84	6.89
-20	459	1.39	329	5.00	8.92
-15	582	1.54	379	5.21	11.35
-10	728	1.69	430	5.47	14.23
-5	898	1.88	478	5.78	17.64

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

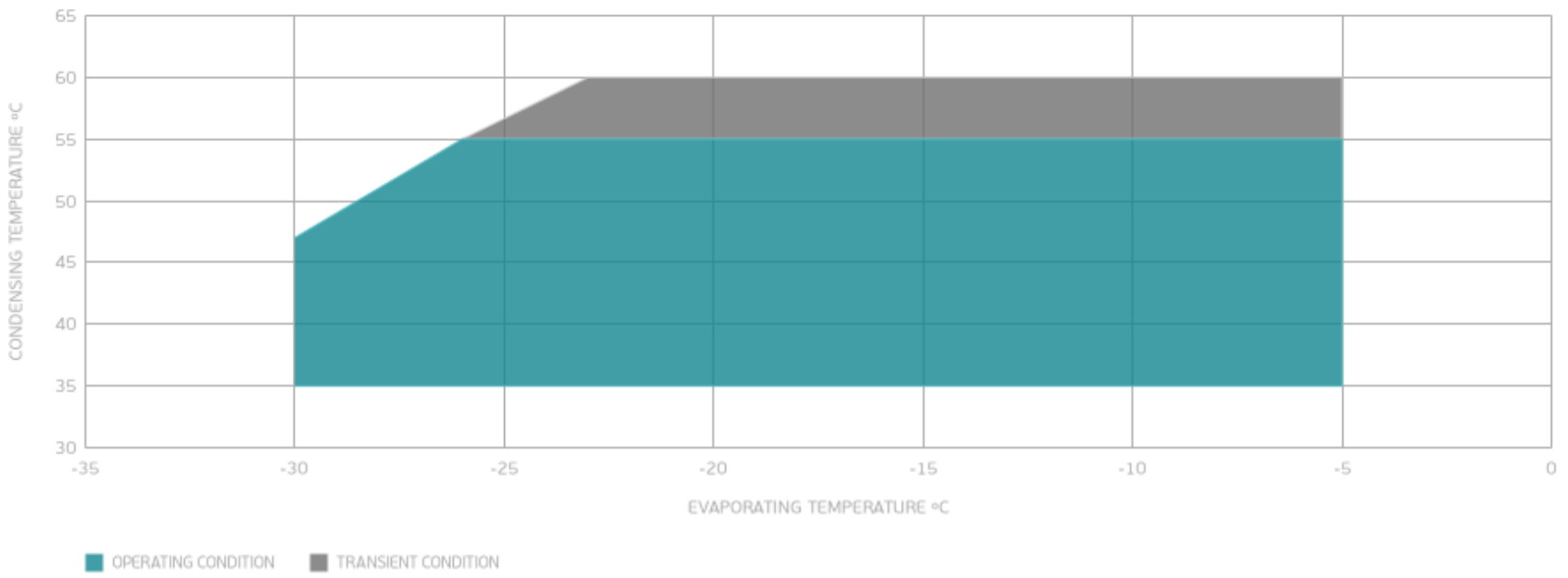
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	332	1.16	287	4.85	6.44
-20	437	1.32	330	5.04	8.49
-15	560	1.47	382	5.28	10.91
-10	705	1.61	438	5.57	13.78
-5	873	1.76	495	5.91	17.15

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