COMPRESSOR TECHNICAL DATA

NE1130Z

ENGINEERING CODE
263KK50

REFRIGERANT
R-134a

POWER SUPPLY
200-220 V 50 Hz/230 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR

STANDARD
EN12900

COOLING CAPACITY
167 W

EFFICIENCY
0.97 W/W

DATA

GENERAL DATA

Model	NE1130Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/200
HP	1/3
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.95 Ω at 25°C
Run Winding Resistance	5.11 Ω at 25°C

MECHANICAL DATA

Displacement	12.11 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	4TM765KDBZZ-153

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-134a
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	200 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	167	0.97	173	-	3.64

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 40°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	225	1.14	197	-	4.93
-25	296	1.32	225	-	6.51
-20	383	1.49	257	-	8.44
-15	486	1.68	289	-	10.76

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

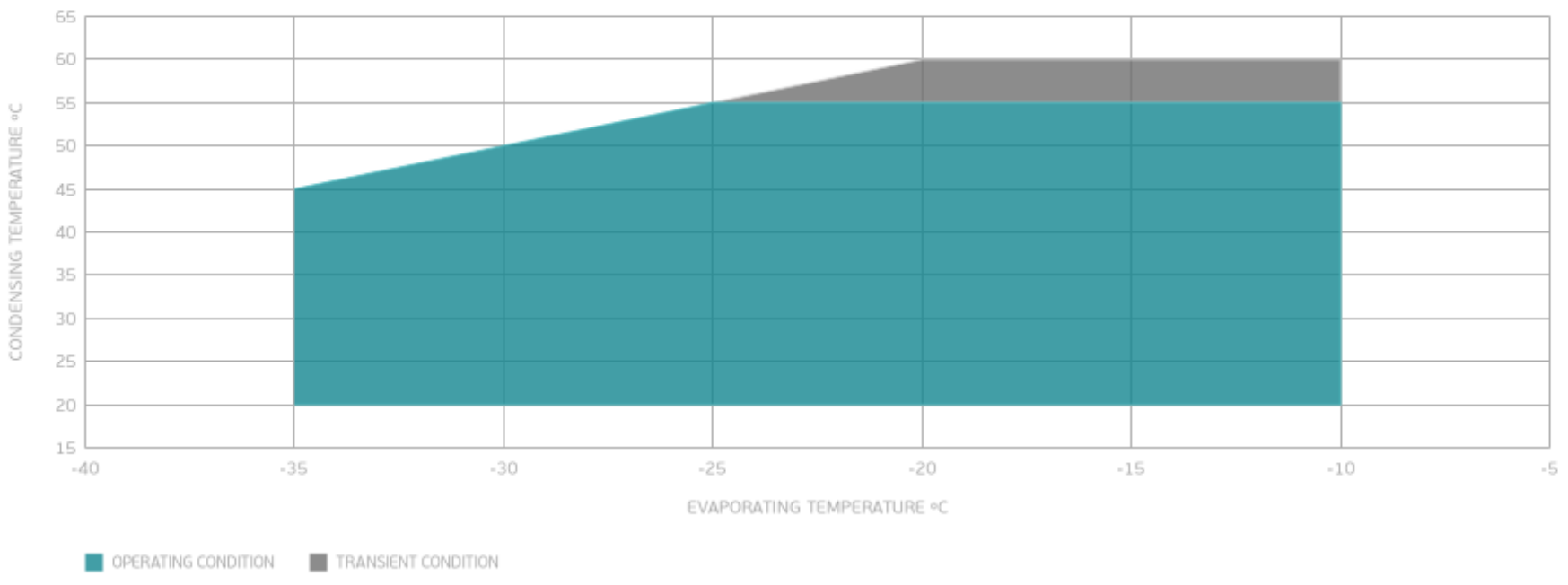
PERFORMANCE CURVE

Condensing Temperature 50°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	190	0.95	200	-	4.59
-25	254	1.10	231	-	6.14
-20	331	1.24	267	-	8.05
-15	424	1.39	306	-	10.34

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS