COMPRESSOR TECHNICAL DATA

NEU6210Z

ENGINEERING CODE
268HA92

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
1085 W

EFFICIENCY
2.38 W/W

DATA

GENERAL DATA

Model	NEU6210Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.64 Ω at 25°C
Run Winding Resistance	5.04 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	18.5 A
Rated Load Amperage (HBP) at 50 Hz	3.1 A

MECHANICAL DATA

Displacement	12.11 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0874/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	HBP
Tested Standard	EN12900
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
50	5	1085	2.38	456	-	27.23

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	547	2.06	265	-	11.58
-10	696	2.36	294	-	14.80
-5	872	2.65	329	-	18.64
0	1077	2.96	364	-	23.16
5	1313	3.32	395	-	28.46
10	1583	3.79	417	-	34.61

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

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	474	1.62	293	-	11.00
-10	608	1.90	320	-	14.18
-5	766	2.14	357	-	17.96
0	950	2.37	401	-	22.43
5	1162	2.62	445	-	27.68
10	1405	2.90	484	-	33.78

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

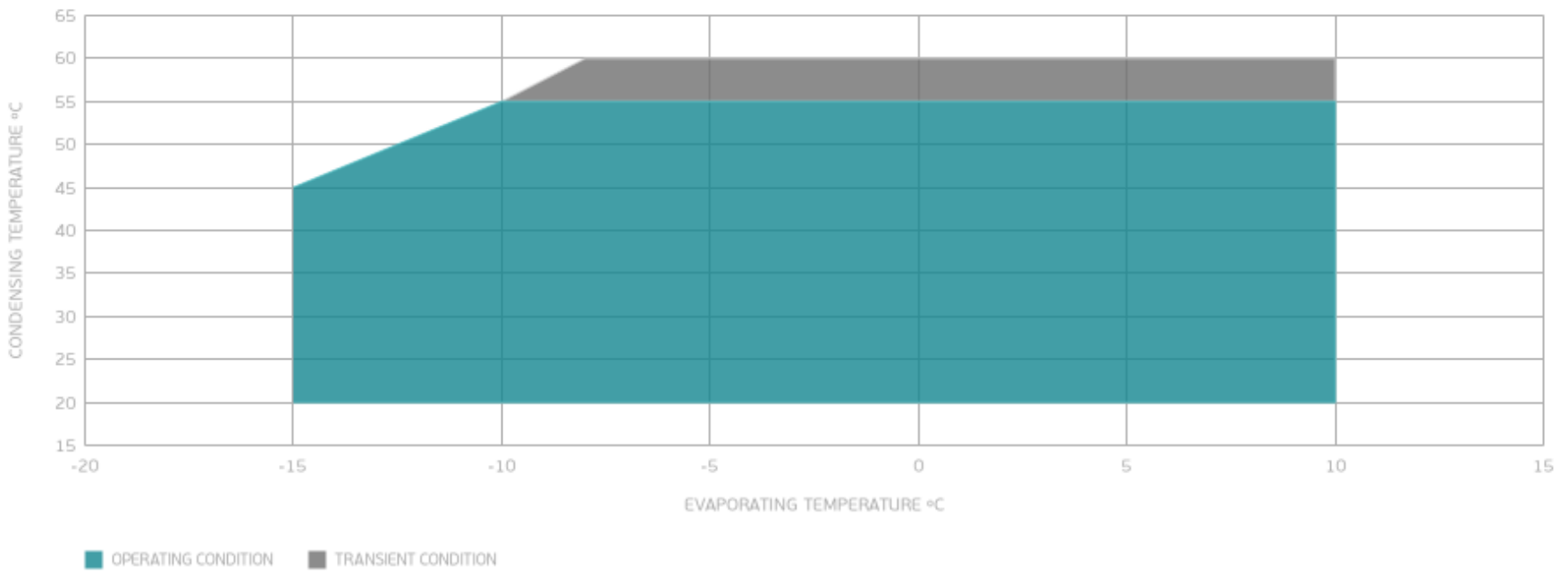
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	519	1.56	331	-	13.44
-5	658	1.80	366	-	17.16
0	820	2.00	410	-	21.57
5	1008	2.19	461	-	26.75
10	1222	2.39	512	-	32.79

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

ENVELOPE



EXTERNAL DIMENSIONS