

NEU6210Z



 **ENGINEERING CODE**
268HA51

 **REFRIGERANT**
R-134a

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

 **APPLICATION**
HBP

 **MOTOR TYPE**
CSIR

 **STANDARD**
EN12900



 **COOLING CAPACITY**
1069 W

 **EFFICIENCY**
2.22 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	10.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0874/G6

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	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	1069	2.22	482	-	26.82

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

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
-15	551	1.98	278	-	11.66
-10	696	2.25	309	-	14.81
-5	869	2.51	346	-	18.58
0	1072	2.80	383	-	23.05
5	1307	3.15	415	-	28.33
10	1578	3.61	438	-	34.50

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

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
-15	476	1.56	305	-	11.06
-10	603	1.80	335	-	14.07
-5	756	2.01	376	-	17.73
0	937	2.22	422	-	22.12
5	1148	2.45	469	-	27.34
10	1392	2.72	511	-	33.48

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

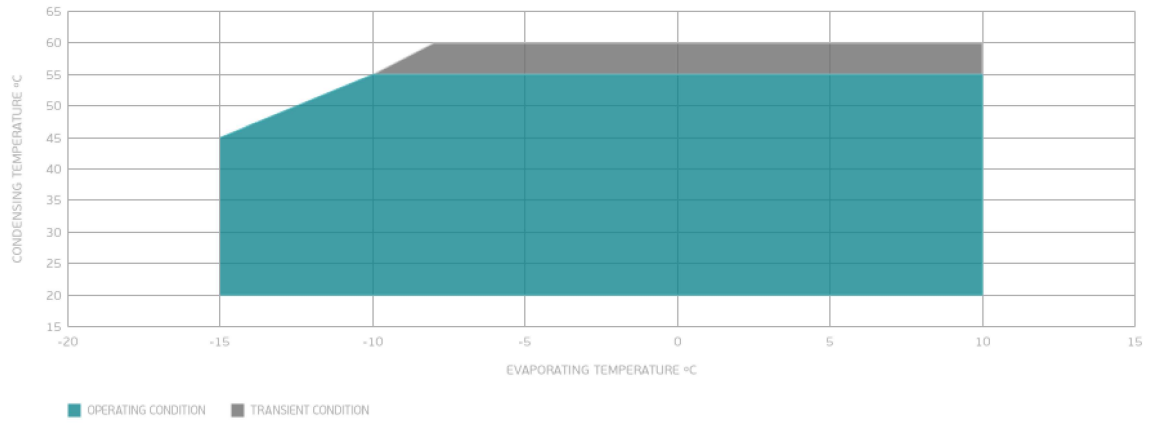
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	519	1.49	349	-	13.46
-5	649	1.69	385	-	16.94
0	806	1.86	433	-	21.19
5	991	2.03	488	-	26.29
10	1207	2.22	543	-	32.36

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

ENVELOPE



EXTERNAL DIMENSIONS

