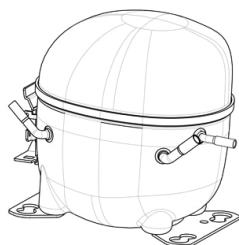


NEU6212Z



**ENGINEERING CODE**  
268GA92

**REFRIGERANT**  
R-134a

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

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
CECOMAF

**COOLING CAPACITY**  
1191 W

**EFFICIENCY**  
2.01 W/W



DATA

GENERAL DATA

Model	NEU6212Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.92 Ω at 25°C
Run Winding Resistance	4.53 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	20 A
Rated Load Amperage (HBP) at 50 Hz	3.9 A

## MECHANICAL DATA

Displacement	14.28 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.1 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0964/G6

## EXTERNAL CHARACTERISTICS

Base Plate	UNI
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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	CECOMAF
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
55	5	1191	2.01	594	-	29.27

Test Condition: Subcooling 0 K, Return Gas 32 °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	634	1.87	338	-	12.65
-10	807	2.15	374	-	16.16
-5	1013	2.44	416	-	20.36
0	1254	2.75	456	-	25.34
5	1532	3.13	490	-	31.16
10	1850	3.62	511	-	37.90

Test Condition: Subcooling 0 K, Return Gas 32 °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	557	1.49	374	-	12.12
-10	713	1.74	410	-	15.58
-5	899	1.97	457	-	19.71
0	1115	2.19	510	-	24.61
5	1366	2.43	562	-	30.33
10	1651	2.72	607	-	36.96

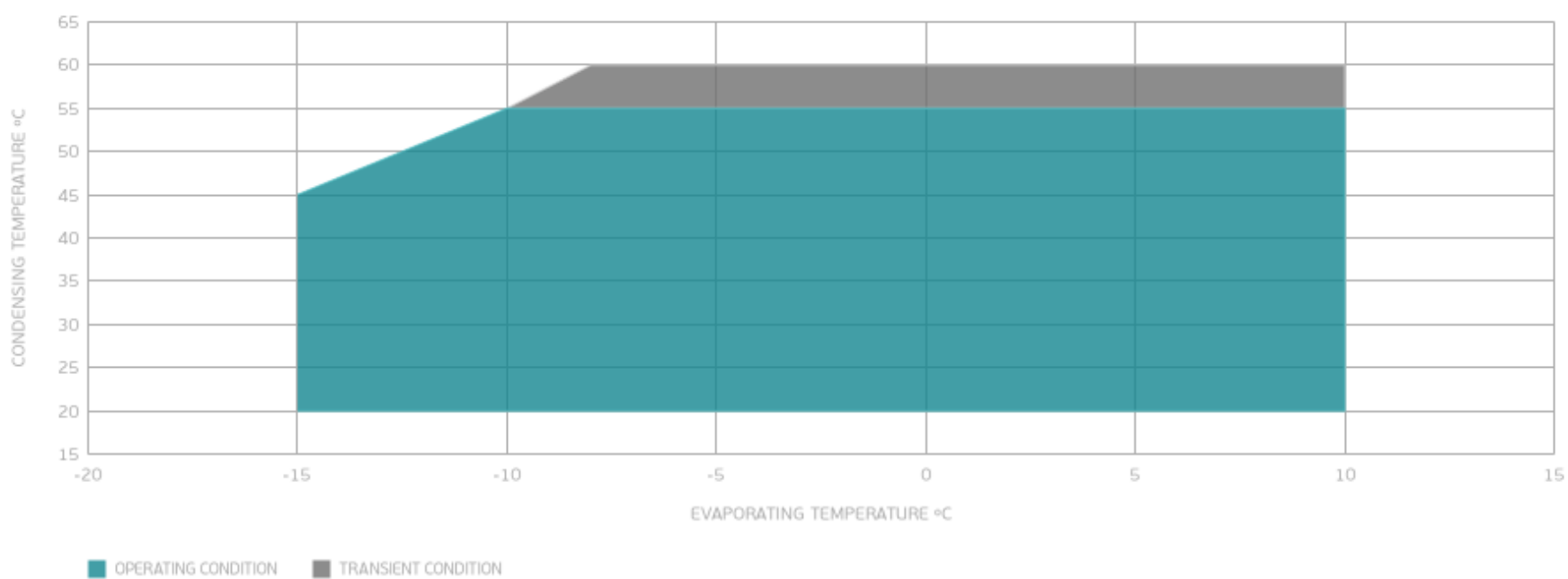
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

**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	613	1.43	429	-	14.78
-5	778	1.64	474	-	18.84
0	970	1.83	531	-	23.65
5	1191	2.01	594	-	29.27
10	1444	2.20	656	-	35.78

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

## ENVELOPE



## EXTERNAL DIMENSIONS

