

NEU6210Z



**ENGINEERING CODE**  
268HA51

**REFRIGERANT**  
R-134a

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

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
1068 W

**EFFICIENCY**  
2.21 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	1/2
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	2.6 A

## MECHANICAL DATA

Displacement	12.11 cm <sup>3</sup>
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
Starting Device Description	MTRP-49-65*
Overload Protection	T0874/G6

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
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	1068	2.21	483	-	26.8

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	1.97	280	-	11.66
-10	696	2.24	311	-	14.81
-5	869	2.51	346	-	18.57
0	1072	2.81	382	-	23.06
5	1309	3.16	414	-	28.35
10	1581	3.62	436	-	34.56

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	477	1.56	305	-	11.07
-10	603	1.80	335	-	14.06
-5	755	2.01	376	-	17.70
0	936	2.22	422	-	22.10
5	1148	2.45	469	-	27.34
10	1394	2.72	512	-	33.52

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	1.50	347	-	13.46
-5	648	1.68	385	-	16.91
0	804	1.85	434	-	21.14
5	989	2.02	489	-	26.25
10	1206	2.21	547	-	32.34

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

## ENVELOPE



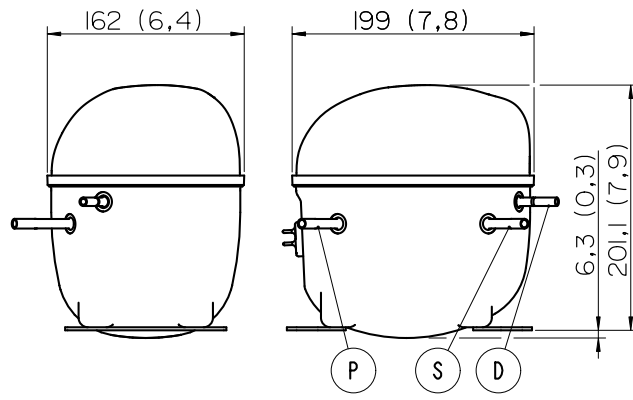
## External

### EXTERNAL CHARACTERISTICS

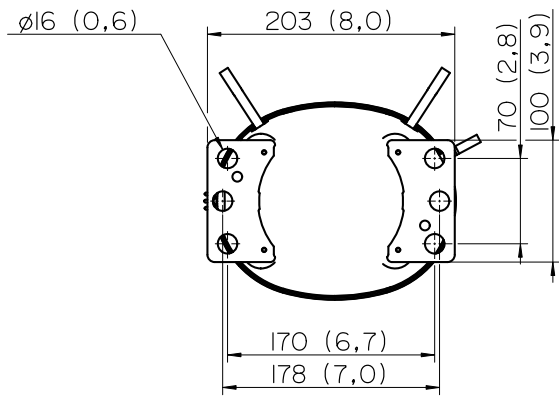
Base Plate		SMALL	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

## EXTERNAL DIMENSIONS

### SHELL



### BASE



### FENCE

