


NEU6212Z



 **ENGINEERING CODE**
268GA92

 **REFRIGERANT**
R-134a

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

 **APPLICATION**
HBP

 **MOTOR TYPE**
CSIR

 **STANDARD**
ASHRAE

 **COOLING CAPACITY**
1433 W

 **EFFICIENCY**
2.3 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	3.2 A

MECHANICAL DATA

Displacement	14.28 cm ³
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
Starting Device Description	MTRP-0012*
Overload Protection	T0964/G6

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	ASHRAE
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
54.4	7.2	1433	2.3	623	3.77	31.72

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	680	2.00	340	3.02	12.55
-10	865	2.30	376	3.08	16.02
-5	1085	2.61	416	3.16	20.16
0	1342	2.94	456	3.26	25.04
5	1639	3.35	489	3.38	30.76
10	1979	3.87	511	3.52	37.38

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	600	1.60	374	3.10	11.97
-10	768	1.87	410	3.18	15.38
-5	968	2.12	457	3.27	19.45
0	1202	2.36	510	3.39	24.27
5	1473	2.62	562	3.53	29.92
10	1784	2.93	609	3.69	36.48

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	670	1.57	427	3.24	14.61
-5	849	1.79	474	3.37	18.60
0	1059	1.99	532	3.52	23.35
5	1303	2.19	596	3.69	28.91
10	1584	2.40	661	3.89	35.39

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



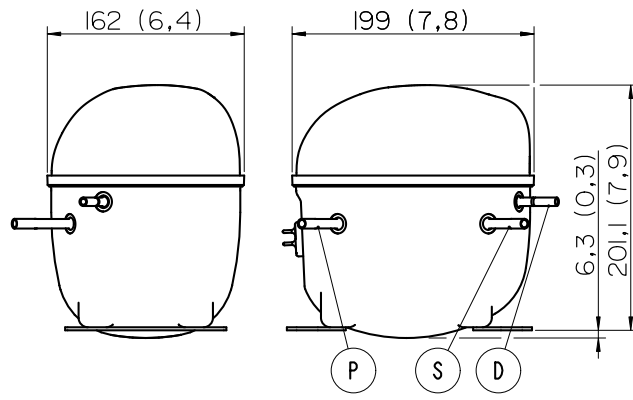
External

EXTERNAL CHARACTERISTICS

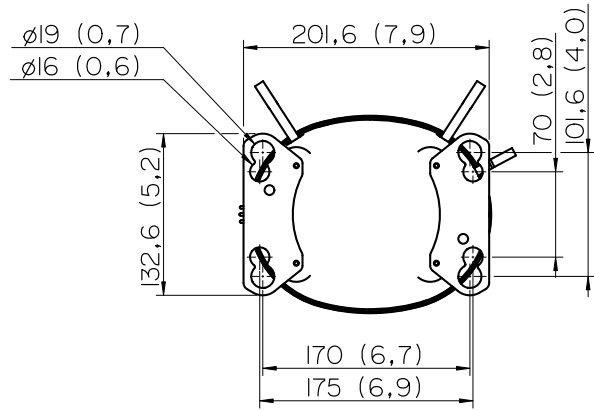
Base Plate		UNI	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

