

NEK6210Z



ENGINEERING CODE
268BA51



REFRIGERANT
R-134a



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
HBP



MOTOR TYPE
CSIR



STANDARD
CECOMAF



COOLING CAPACITY
960 W



EFFICIENCY
2.02 W/W



DATA

GENERAL DATA

Model	NEK6210Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	31.7 Ω at 25°C
Run Winding Resistance	5.18 Ω at 25°C

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0029*
Overload Protection	T0660/G5

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	CECOMAF
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
55	5	960	2.02	476	-	23.58

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	542	2.03	267	-	10.82
-10	676	2.27	298	-	13.55
-5	834	2.52	330	-	16.77
0	1020	2.82	362	-	20.62
5	1239	3.20	387	-	25.20
10	1495	3.71	403	-	30.64

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	465	1.60	290	-	10.11
-10	593	1.83	324	-	12.95
-5	739	2.03	364	-	16.22
0	909	2.24	406	-	20.06
5	1107	2.48	447	-	24.57
10	1336	2.77	482	-	29.89

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	488	1.47	332	-	11.76
-5	625	1.67	375	-	15.15
0	781	1.84	424	-	19.05
5	960	2.02	476	-	23.58
10	1165	2.21	526	-	28.85

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

ENVELOPE



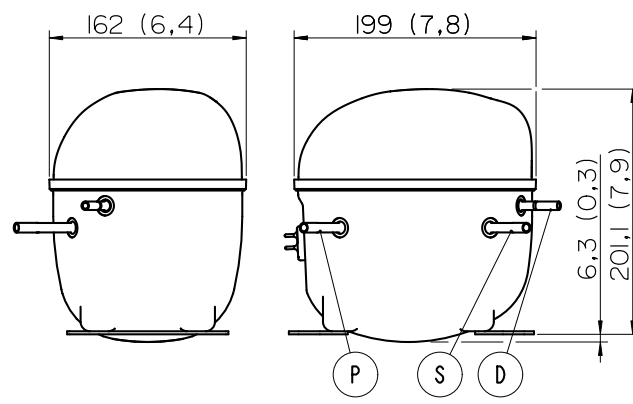
External

EXTERNAL CHARACTERISTICS

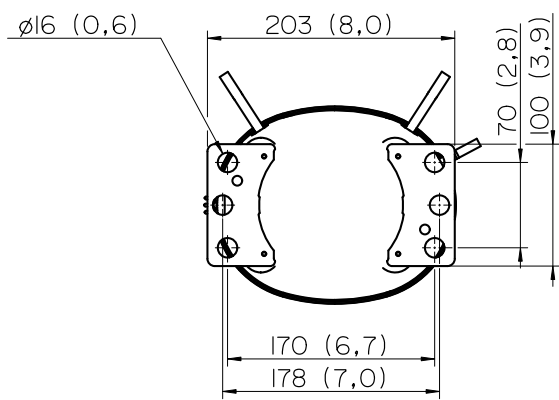
Base Plate		SMALL	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

