

NEK6214Z



ENGINEERING CODE
269JA58



REFRIGERANT
R-134a



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
HBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
1284 W



EFFICIENCY
1.83 W/W



DATA

GENERAL DATA

Model	NEK6214Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4-
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	10.63 Ω at 25°C
Run Winding Resistance	3.13 Ω at 25°C

MECHANICAL DATA

Displacement	16.8 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0012-65*
Overload Protection	T0899/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	1284	1.83	700	-	32.21

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	643	1.56	413	-	13.60
-10	821	1.79	458	-	17.47
-5	1034	2.03	508	-	22.10
0	1282	2.30	558	-	27.57
5	1567	2.62	599	-	33.96
10	1891	3.02	627	-	41.35

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	557	1.25	446	-	12.94
-10	715	1.46	491	-	16.68
-5	904	1.65	549	-	21.19
0	1124	1.83	614	-	26.55
5	1379	2.03	679	-	32.84
10	1669	2.26	737	-	40.14

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	611	1.21	507	-	15.83
-5	773	1.38	562	-	20.18
0	966	1.53	632	-	25.39
5	1188	1.67	710	-	31.54
10	1443	1.83	790	-	38.70

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

ENVELOPE



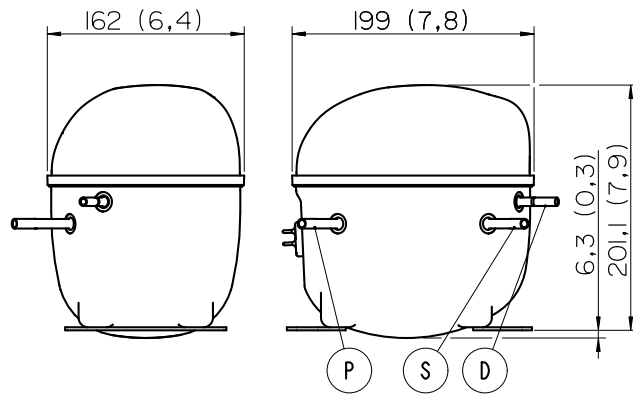
External

EXTERNAL CHARACTERISTICS

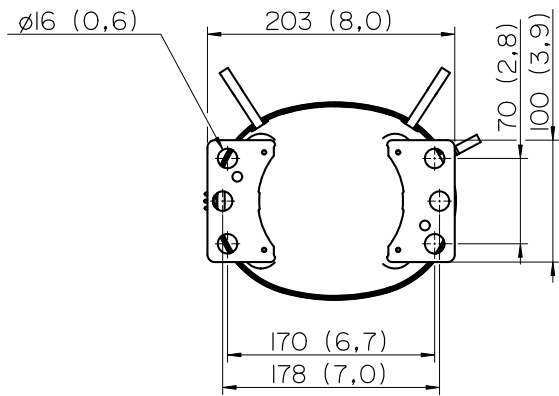
Base Plate		SMALL	
Tray Holder		YES	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

