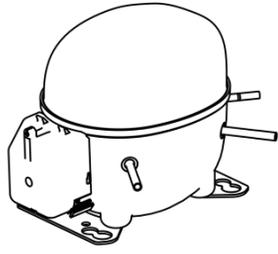


NEU6214Z



 **ENGINEERING CODE**
269SA23

 **REFRIGERANT**
R-134a

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

 **APPLICATION**
HBP

 **MOTOR TYPE**
CSIR

 **STANDARD**
ASHRAE

 **COOLING CAPACITY**
1611 W

 **EFFICIENCY**
2.25 W/W



DATA

GENERAL DATA

Model	NEU6214Z
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	18.83 Ω at 25°C
Run Winding Resistance	5.14 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	22 A

MECHANICAL DATA

Displacement	15.71 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	108-130 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0048*
Overload Protection	MST30LZ-3259

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	1611	2.25	716	-	35.66

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	778	1.98	393	-	14.35
-10	988	2.27	435	-	18.30
-5	1237	2.58	480	-	22.99
0	1525	2.91	524	-	28.47
5	1854	3.30	561	-	34.80
10	2224	3.80	586	-	42.02

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	692	1.63	425	-	13.79
-10	882	1.88	468	-	17.64
-5	1106	2.12	523	-	22.23
0	1367	2.34	583	-	27.61
5	1665	2.59	644	-	33.82
10	2001	2.86	699	-	40.92

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

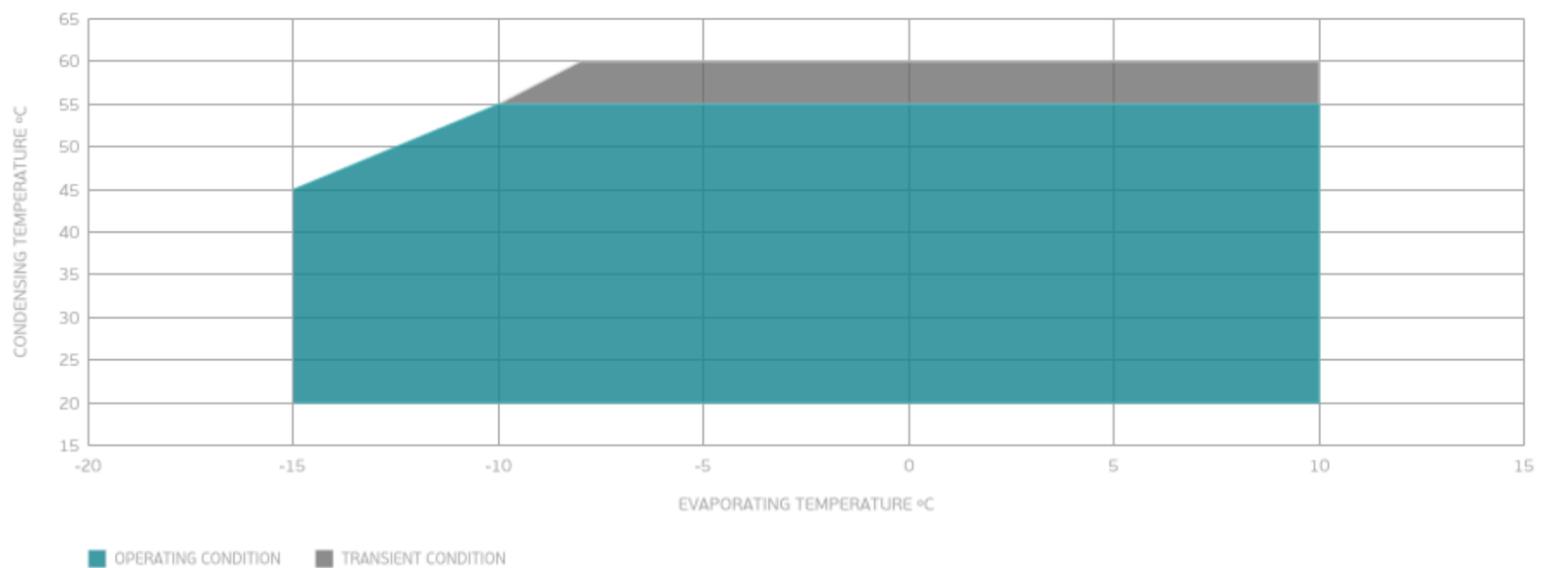
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	771	1.58	488	-	16.82
-5	971	1.79	542	-	21.29
0	1204	1.98	609	-	26.54
5	1471	2.15	684	-	32.62
10	1772	2.33	761	-	39.58

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

ENVELOPE



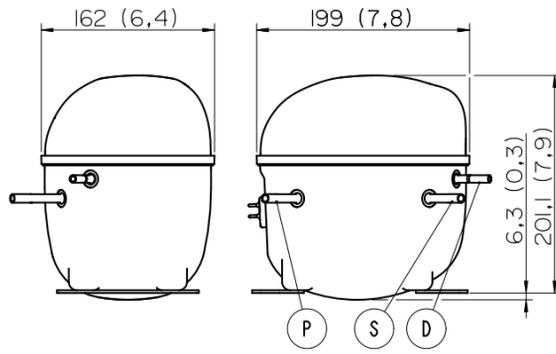
External

EXTERNAL CHARACTERISTICS

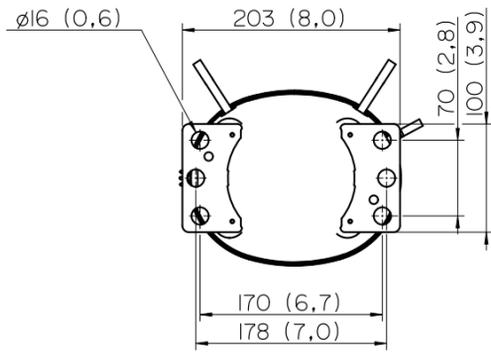
Base Plate		SMALL	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

