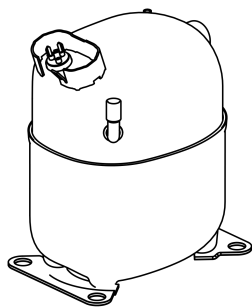


NJ6220Z



**ENGINEERING CODE**  
144HD11

**REFRIGERANT**  
R-134a

**POWER SUPPLY**  
208-230 V 60 Hz

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
2341 W

**EFFICIENCY**  
2.08 W/W



DATA

GENERAL DATA

Model	NJ6220Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	8.09 Ω at 25°C
Run Winding Resistance	1.45 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	42 A

## MECHANICAL DATA

Displacement	26.11 cm <sup>3</sup>
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	20.2 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4L3C-566
Overload Protection	MST16AFN T0820/20

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	208 V
Max Refrigerant Charge	800 g
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	2341	2.08	1128	-	58.72

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	1135	1.81	627	-	24.03
-10	1523	2.11	722	-	32.39
-5	1967	2.40	820	-	42.04
0	2466	2.71	911	-	53.04
5	3021	3.07	985	-	65.46
10	3631	3.51	1034	-	79.37

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	869	1.38	631	-	20.18
-10	1207	1.64	737	-	28.15
-5	1603	1.87	858	-	37.57
0	2055	2.09	983	-	48.52
5	2563	2.32	1104	-	61.05
10	3127	2.58	1211	-	75.23

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	944	1.32	718	-	24.49
-5	1280	1.52	842	-	33.42
0	1675	1.70	984	-	44.04
5	2126	1.88	1133	-	56.42
10	2634	2.06	1281	-	70.62

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

## ENVELOPE



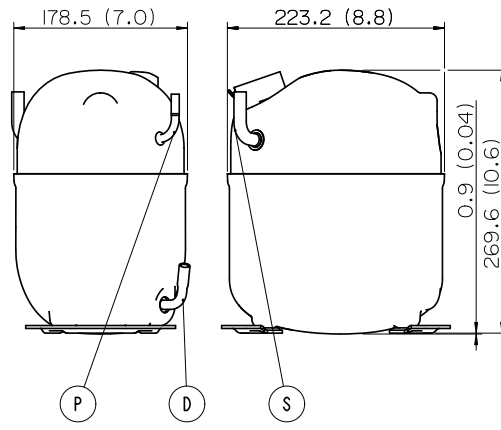
## External

### EXTERNAL CHARACTERISTICS

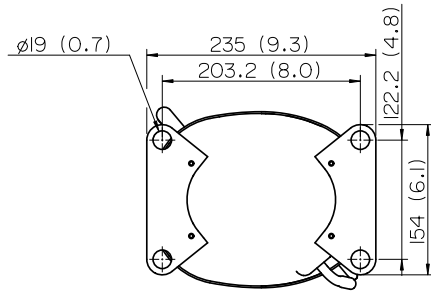
Base Plate		LARGE	
Tray Holder		NO	
<b>Connector</b>	<b>Internal Diameter</b>	<b>Shape</b>	<b>Material</b>
Suction	9.6 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

**EXTERNAL DIMENSIONS**

**SHELL**



**BASE**



**FENCE**

