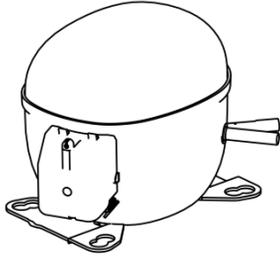


NT6217Z



**ENGINEERING CODE**  
212JG16

**REFRIGERANT**  
R-134a

**POWER SUPPLY**  
115 V 60 Hz

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
2265 W

**EFFICIENCY**  
2.39 W/W



DATA

GENERAL DATA

Model	NT6217Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/115
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	2.78 Ω at 25°C
Run Winding Resistance	0.57 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	50 A

## MECHANICAL DATA

Displacement	20.44 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.5 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	243-292 µf/250 V
Run Capacitor	35.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2AG3C-117
Overload Protection	UP14NA5345-T (internal)

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	115 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
54.4	7.2	2265	2.39	946	-	50.12

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	1102	2.14	514	-	20.34
-10	1402	2.44	575	-	25.96
-5	1756	2.74	641	-	32.63
0	2166	3.09	702	-	40.44
5	2636	3.52	750	-	49.48
10	3168	4.08	776	-	59.85

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	962	1.73	557	-	19.18
-10	1235	1.99	621	-	24.70
-5	1556	2.23	698	-	31.25
0	1928	2.47	780	-	38.92
5	2355	2.74	858	-	47.81
10	2837	3.07	924	-	58.01

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

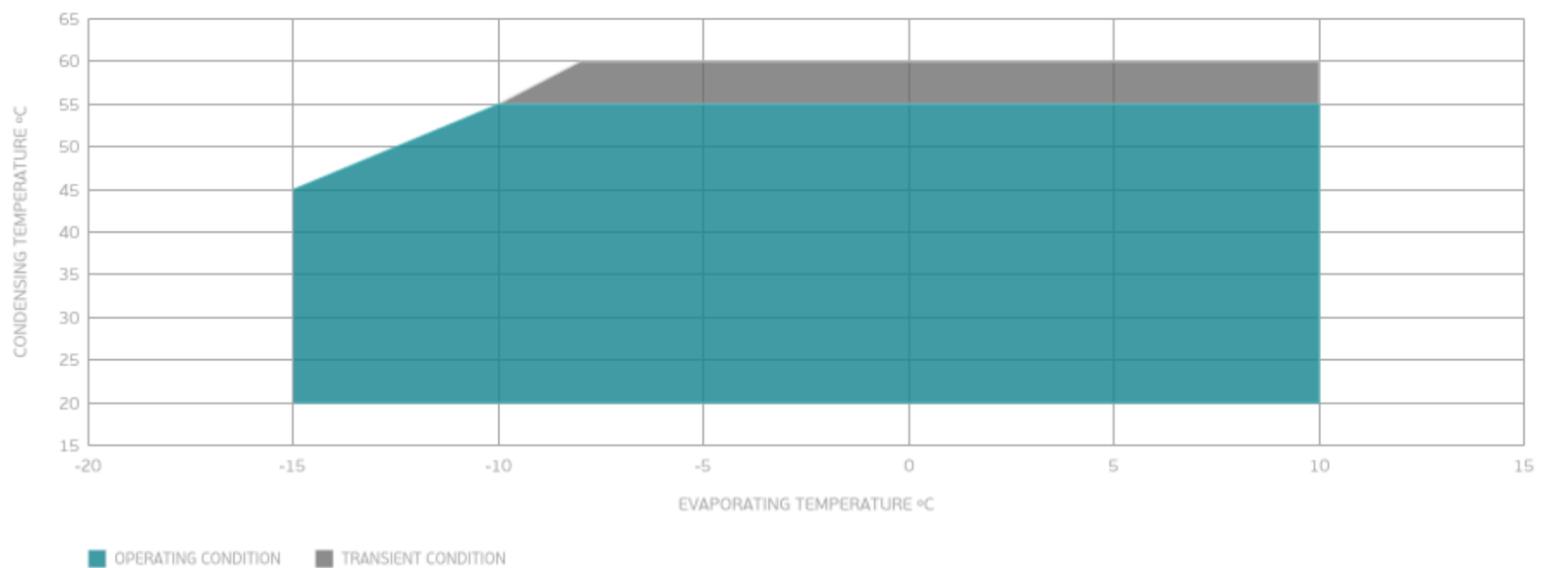
## PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1058	1.66	639	-	23.08
-5	1346	1.88	717	-	29.50
0	1680	2.08	809	-	37.02
5	2062	2.28	906	-	45.74
10	2495	2.50	999	-	55.75

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

## ENVELOPE



## External

### EXTERNAL CHARACTERISTICS

Base Plate		UNI	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	SLANTED 42°	COPPER
Discharge	6.42 mm	STRAIGHT	COPPER
Process	6.42 mm	VERTICAL	COPPER

## EXTERNAL DIMENSIONS

