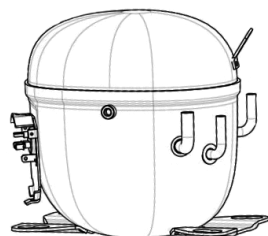


NT6217Z



**ENGINEERING CODE**  
212BA04

**REFRIGERANT**  
R-134a

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

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
1868 W

**EFFICIENCY**  
2.32 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/220
HP	3/4+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	11.22 Ω at 25°C
Run Winding Resistance	3.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	25 A
Rated Load Amperage (LMBP) at 50 Hz	4.9 A

## MECHANICAL DATA

Displacement	20.44 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0645/G6

## EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
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	1868	2.32	807	4.71	41.33

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	948	2.13	445	3.58	17.49
-10	1188	2.44	486	3.68	22.01
-5	1480	2.78	532	3.80	27.52
0	1830	3.18	576	3.93	34.16
5	2242	3.68	609	4.07	42.09
10	2724	4.36	625	4.22	51.45

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	823	1.66	495	3.69	16.41
-10	1032	1.92	537	3.81	20.65
-5	1289	2.17	593	3.96	25.88
0	1598	2.44	655	4.12	32.27
5	1967	2.75	716	4.31	39.95
10	2401	3.12	769	4.51	49.09

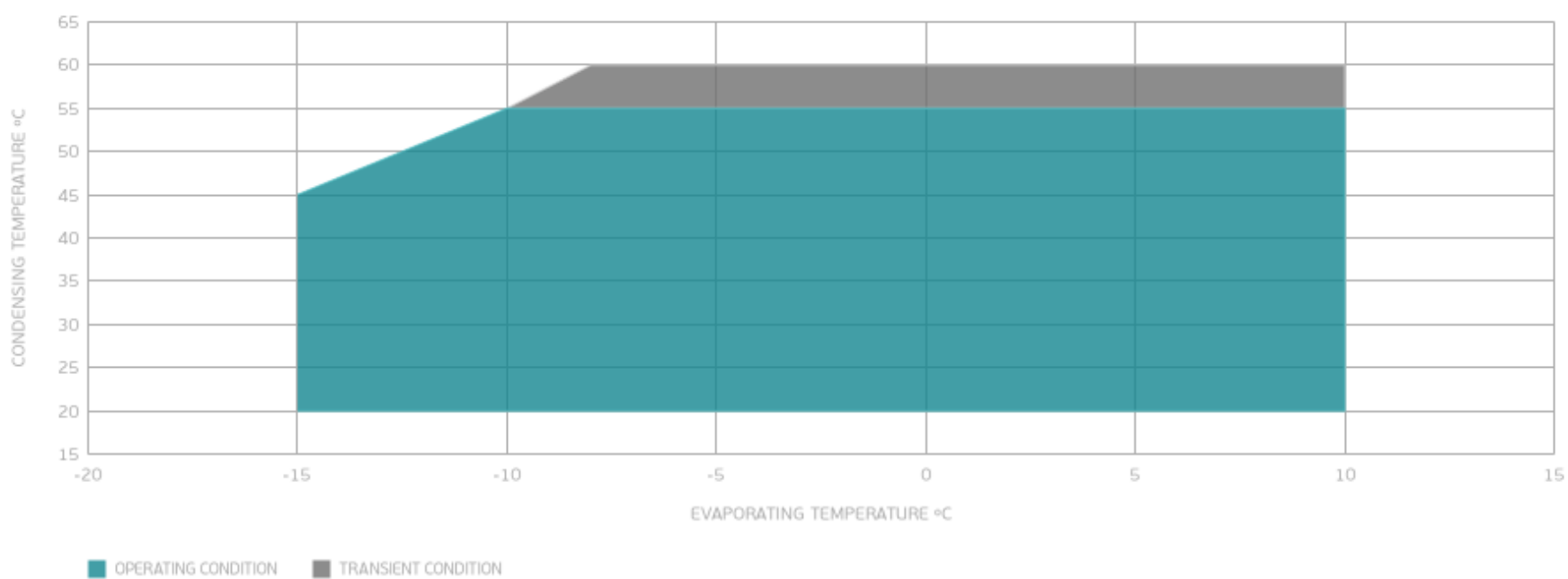
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	880	1.54	571	3.95	19.20
-5	1099	1.76	625	4.15	24.08
0	1366	1.96	696	4.37	30.12
5	1689	2.18	774	4.62	37.47
10	2072	2.43	853	4.89	46.30

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

