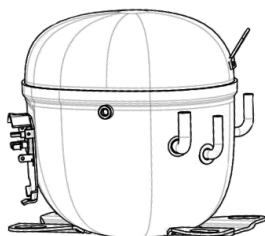


NT6217Z



ENGINEERING CODE
212BA06

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
1649 W

EFFICIENCY
2.21 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	3.5 A

MECHANICAL DATA

Displacement	20.44 cm ³
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	SLANTED 42°	COPPER
Discharge	6.42 mm	STRAIGHT	COPPER
Process	6.42 mm	VERTICAL	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	EN12900
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
50	5	1649	2.21	747	-	41.38

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	875	1.97	444	-	18.50
-10	1096	2.26	485	-	23.33
-5	1367	2.57	531	-	29.22
0	1691	2.94	574	-	36.36
5	2074	3.42	607	-	44.94
10	2522	4.05	623	-	55.15

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	748	1.51	494	-	17.36
-10	938	1.75	536	-	21.88
-5	1172	1.98	591	-	27.48
0	1455	2.23	652	-	34.34
5	1791	2.51	713	-	42.66
10	2188	2.86	765	-	52.61

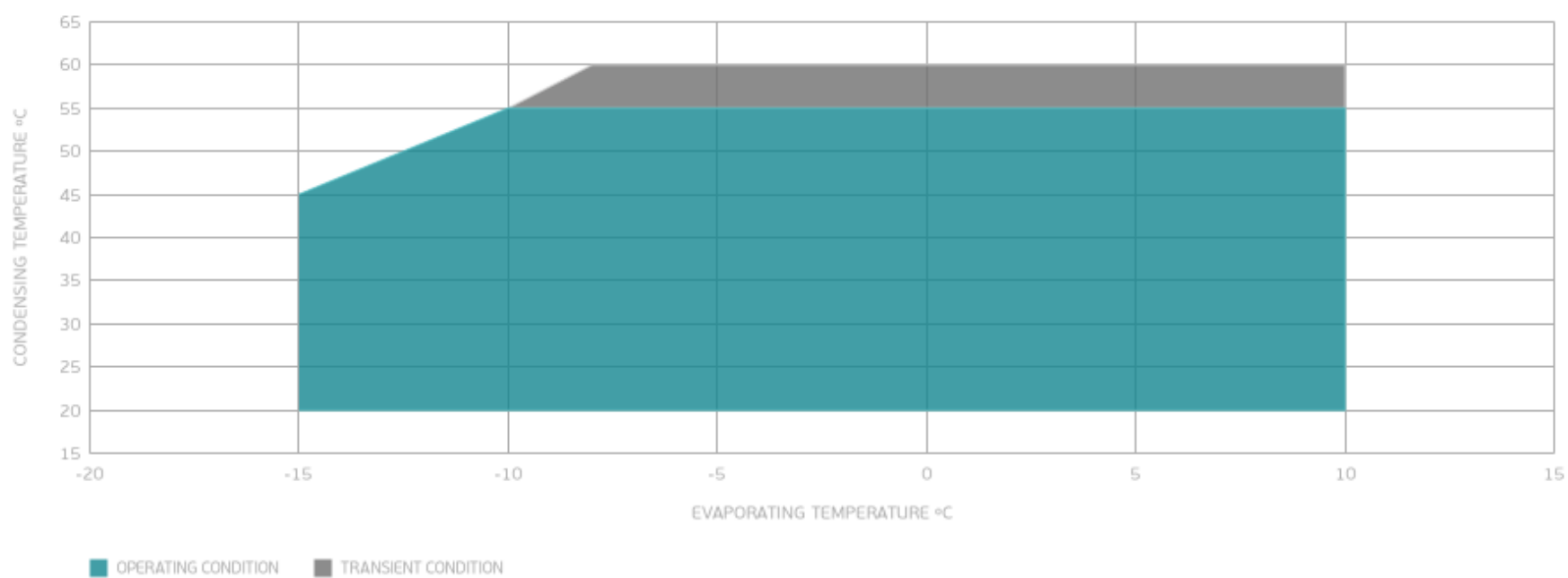
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	785	1.38	569	-	20.34
-5	980	1.57	623	-	25.56
0	1219	1.76	692	-	32.05
5	1507	1.96	769	-	40.01
10	1850	2.18	848	-	49.62

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

ENVELOPE



EXTERNAL DIMENSIONS

