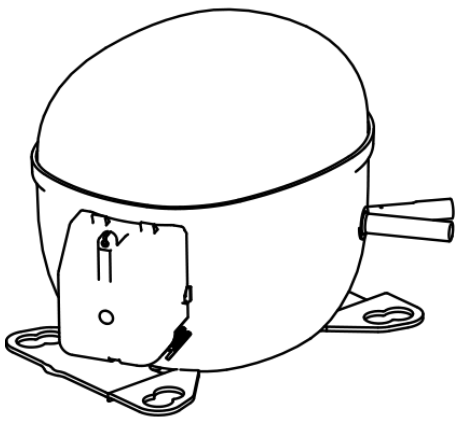
COMPRESSOR TECHNICAL DATA

NT6215Z



ENGINEERING CODE
211AC06

REFRIGERANT
R-134a

POWER SUPPLY
220 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
1439 W

EFFICIENCY
2.17 W/W

DATA

GENERAL DATA

Model	NT6215Z
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	19.25 Ω at 25°C
Run Winding Resistance	3.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	20.7 A

MECHANICAL DATA

Displacement	17.39 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0048*
Overload Protection	T0634/G6

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

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	1439	2.17	662	-	36.1

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	728	1.76	413	-	15.41
-10	932	2.07	451	-	19.83
-5	1177	2.40	490	-	25.15
0	1464	2.80	523	-	31.48
5	1796	3.30	544	-	38.92
10	2177	3.99	546	-	47.60

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	613	1.36	449	-	14.21
-10	796	1.63	489	-	18.57
-5	1013	1.89	537	-	23.77
0	1268	2.16	588	-	29.93
5	1561	2.47	633	-	37.17
10	1897	2.84	667	-	45.60

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

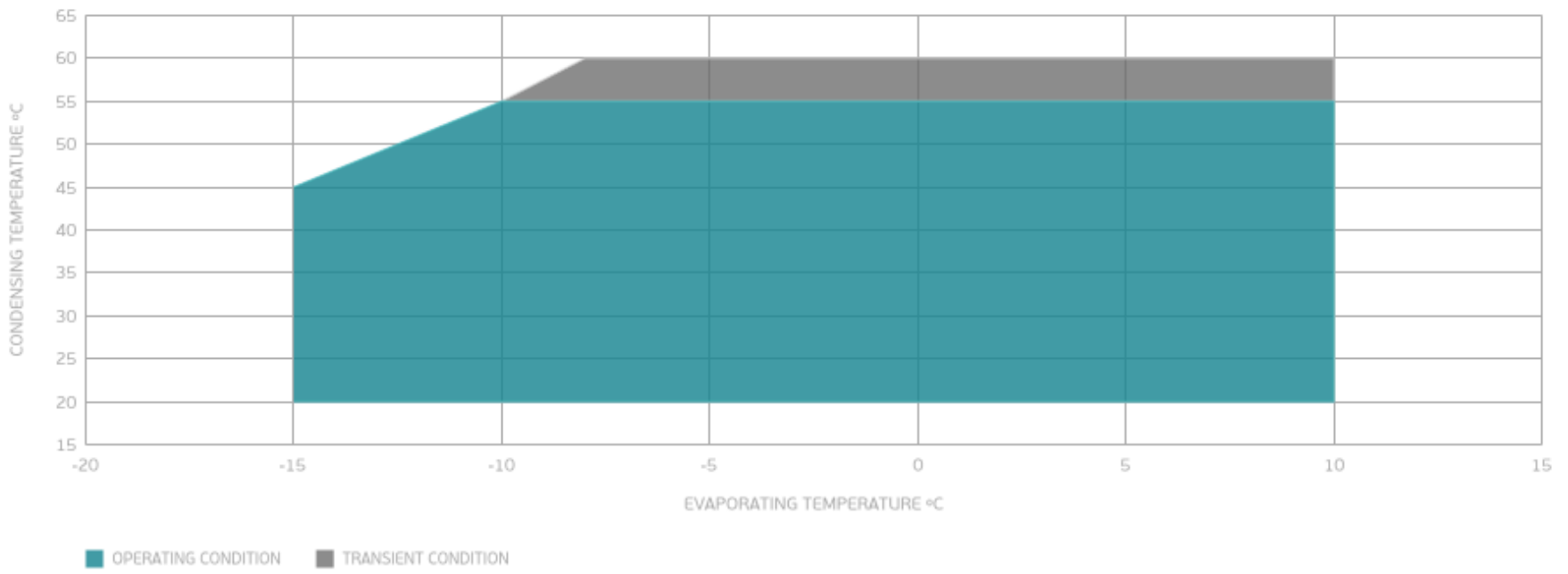
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	644	1.27	508	-	16.70
-5	836	1.50	558	-	21.80
0	1058	1.71	618	-	27.81
5	1313	1.93	680	-	34.86
10	1605	2.18	737	-	43.04

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

ENVELOPE



EXTERNAL DIMENSIONS