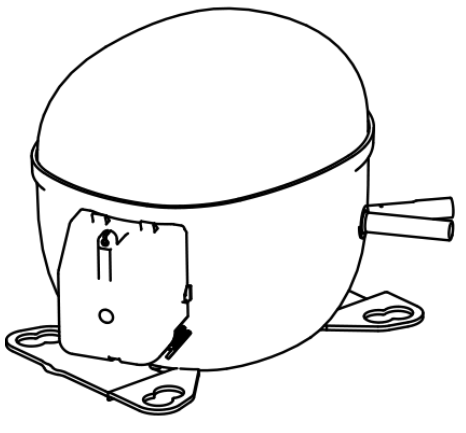
COMPRESSOR TECHNICAL DATA

NT6220Z



ENGINEERING CODE
212CN06

REFRIGERANT
R-134a

POWER SUPPLY
200-240 V 50 Hz/230 V 60 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
2113 W

EFFICIENCY
2.11 W/W

DATA

GENERAL DATA

Model	NT6220Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	12.16 Ω at 25°C
Run Winding Resistance	1.86 Ω at 25°C

MECHANICAL DATA

Displacement	22.37 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-55*
Overload Protection	T0901/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	230 V
Tested Frequency	60 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	2113	2.11	1000	-	53.02

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	1104	1.97	560	-	23.38
-10	1368	2.15	637	-	29.11
-5	1690	2.35	720	-	36.13
0	2076	2.60	799	-	44.63
5	2530	2.92	865	-	54.81
10	3058	3.37	907	-	66.88

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	990	1.64	604	-	22.97
-10	1235	1.82	679	-	28.80
-5	1524	1.98	771	-	35.76
0	1865	2.14	872	-	44.04
5	2261	2.33	971	-	53.84
10	2719	2.57	1057	-	65.36

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

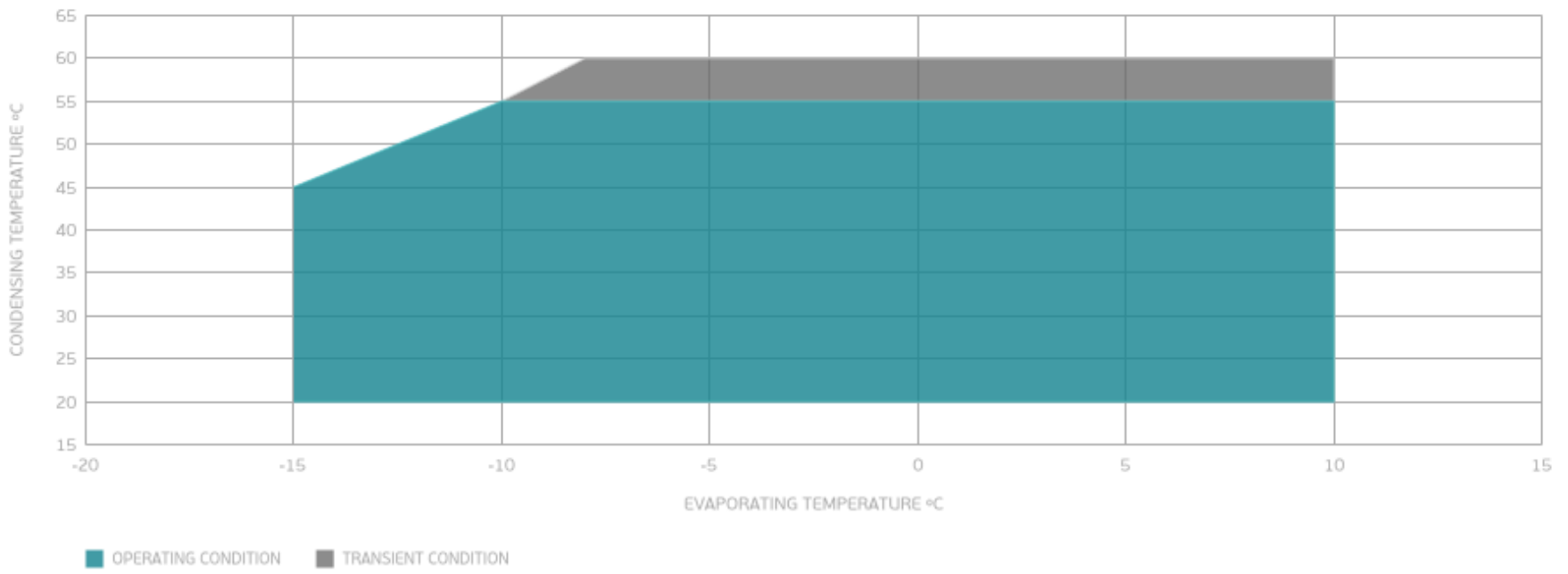
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1044	1.49	703	-	27.07
-5	1308	1.65	790	-	34.11
0	1609	1.79	897	-	42.31
5	1954	1.93	1014	-	51.86
10	2348	2.08	1131	-	62.98

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

ENVELOPE



EXTERNAL DIMENSIONS