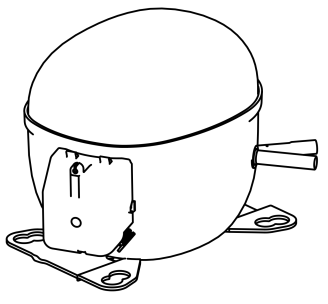
COMPRESSOR TECHNICAL DATA

NT6220GK



ENGINEERING CODE
922BN09

REFRIGERANT
R-404A

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

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
1349 W

EFFICIENCY
1.57 W/W

DATA

GENERAL DATA

Model	NT6220GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	3/4
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	14.5 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
Starting Device Description	MTRPH-55*
Overload Protection	MRA38112-3259

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	230 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
45	-10	1349	1.57	857	-	40.51

Test Condition: Subcooling 0 K, Return Gas 20 ºC. 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
-20	1055	1.60	657	-	27.33
-15	1320	1.84	716	-	34.53
-10	1636	2.10	778	-	43.14
-5	2007	2.40	836	-	53.42
0	2434	2.76	882	-	65.62
5	2921	3.22	908	-	80.00
10	3471	3.83	906	-	96.82

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
-20	857	1.20	716	-	25.24
-15	1082	1.39	781	-	32.19
-10	1349	1.57	857	-	40.51
-5	1661	1.77	937	-	50.46
0	2020	2.00	1012	-	62.29
5	2430	2.26	1075	-	76.27
10	2893	2.59	1118	-	92.66

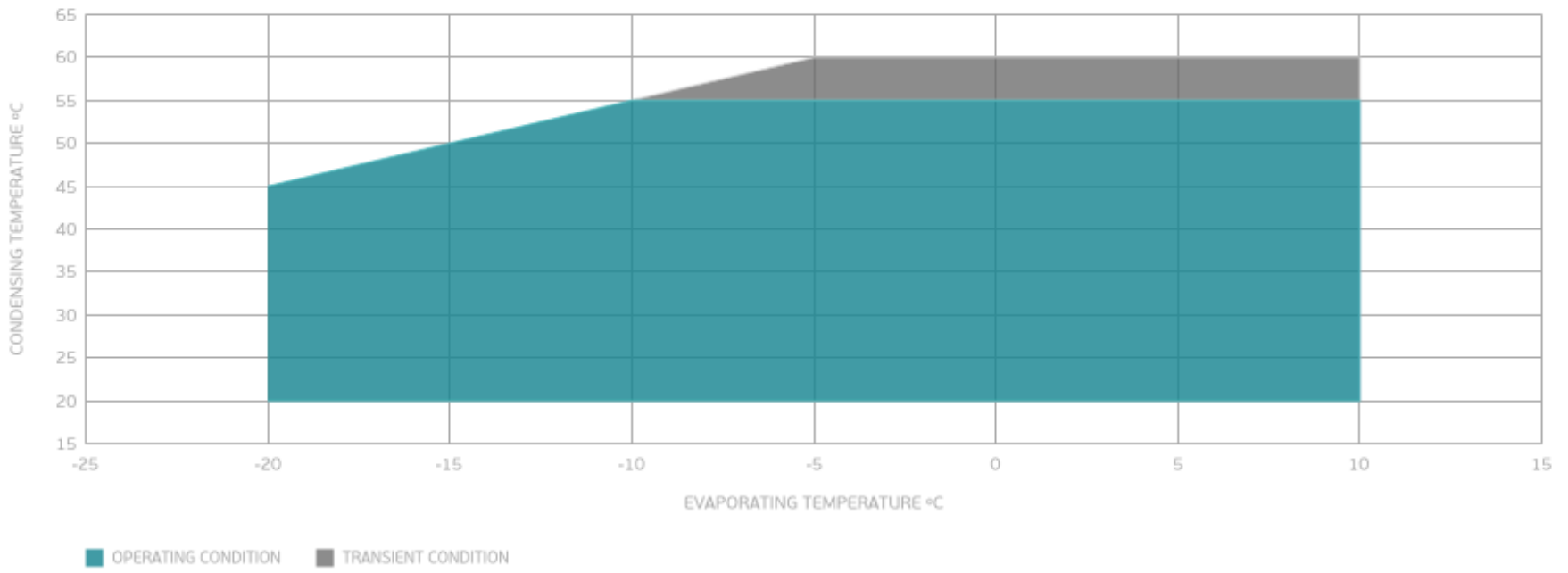
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	1052	1.18	888	-	37.25
-5	1302	1.33	981	-	46.81
0	1591	1.48	1078	-	58.23
5	1921	1.64	1171	-	71.76
10	2295	1.84	1250	-	87.66

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

ENVELOPE



External

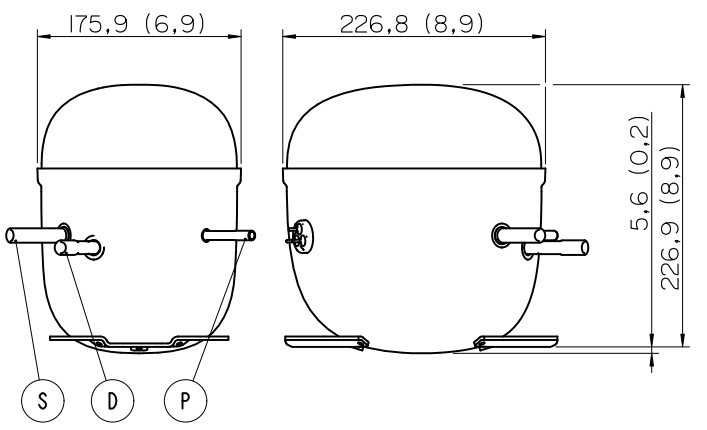
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

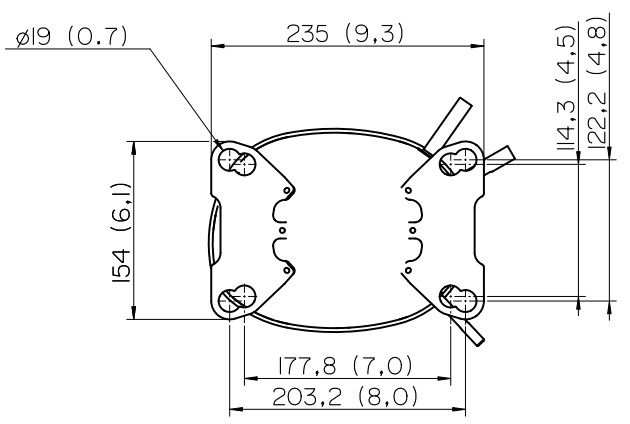
Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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