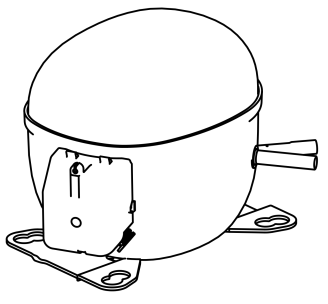
COMPRESSOR TECHNICAL DATA

NT6217GKV



ENGINEERING CODE
922NN04

REFRIGERANT
R-404A

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

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
917 W

EFFICIENCY
1.5 W/W

DATA

GENERAL DATA

Model	NT6217GKV
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/200
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	12.7 Ω at 25°C
Run Winding Resistance	2.7 Ω at 25°C

MECHANICAL DATA

Displacement	12.55 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-47*
Overload Protection	MRA38168-3259

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	200 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	917	1.5	612	3.84	27.52

Test Condition: Subcooling 0 K, Return Gas 20 ºC. 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
-20	724	1.84	394	2.99	18.77
-15	907	1.98	457	3.21	23.73
-10	1130	2.18	519	3.42	29.79
-5	1393	2.44	570	3.62	37.10
0	1699	2.83	601	3.82	45.81
5	2048	3.39	603	4.02	56.08
10	2441	4.30	567	4.21	68.07

Test Condition: Subcooling 0 K, Return Gas 20 °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
-20	584	1.29	453	3.07	17.22
-15	734	1.38	532	3.49	21.83
-10	917	1.50	612	3.84	27.52
-5	1133	1.66	682	4.14	34.42
0	1385	1.89	733	4.37	42.71
5	1673	2.21	757	4.54	52.53
10	2000	2.69	742	4.66	64.04

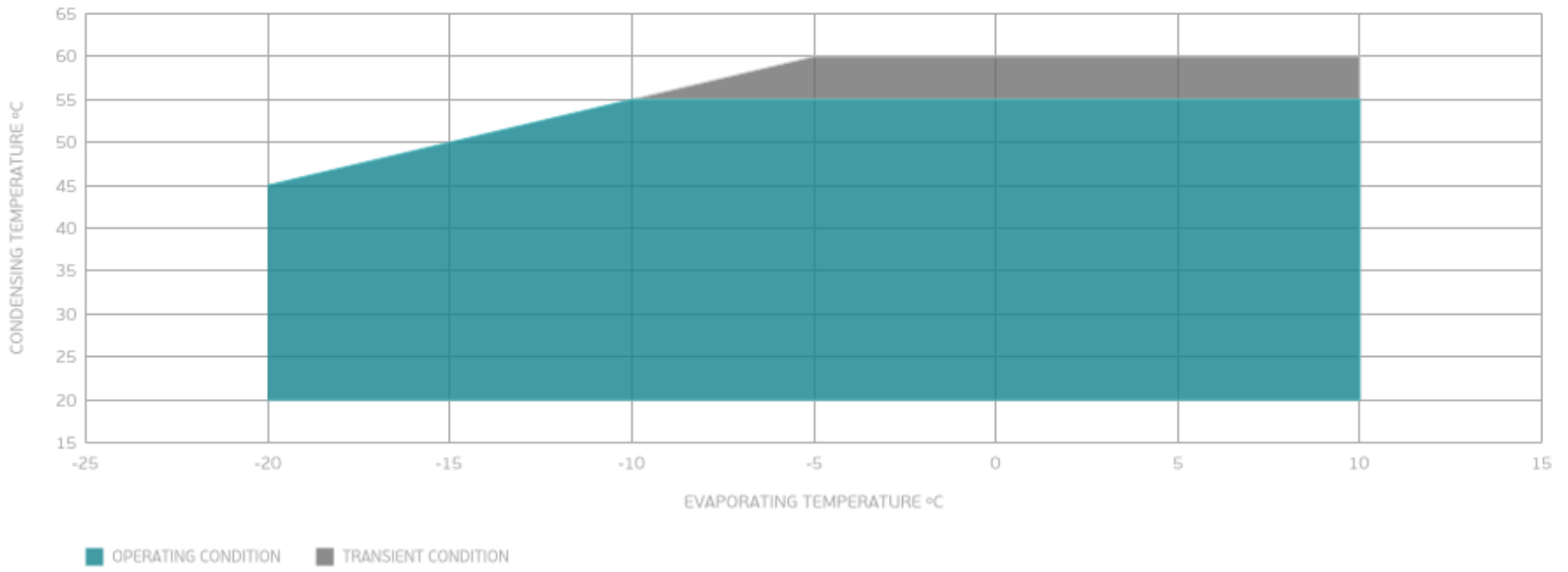
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	700	1.03	678	4.33	24.79
-5	868	1.14	765	4.70	31.21
0	1065	1.28	834	4.95	38.99
5	1292	1.48	876	5.08	48.28
10	1551	1.76	881	5.11	59.24

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

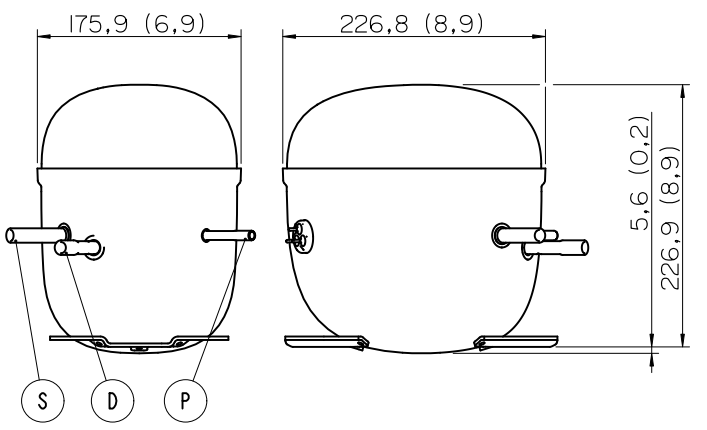
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

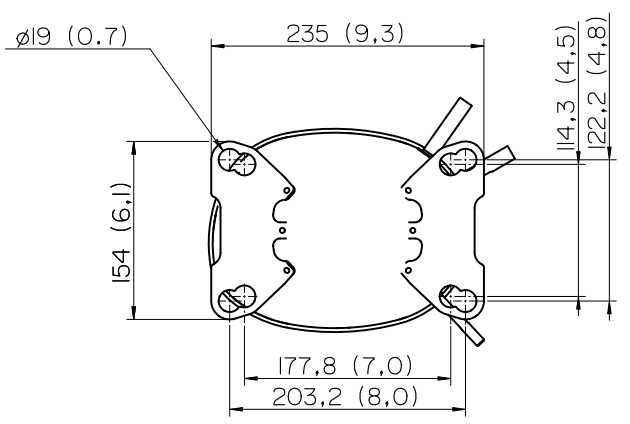
Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE