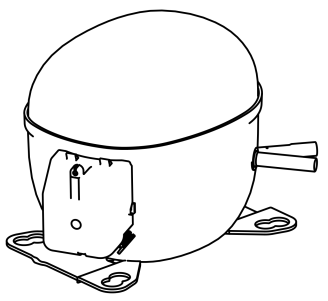
COMPRESSOR TECHNICAL DATA

NT2212GK



ENGINEERING CODE
925DA08

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1375 W

EFFICIENCY
1.39 W/W

DATA

GENERAL DATA

Model	NT2212GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	3.89 Ω at 25°C
Run Winding Resistance	1.69 Ω at 25°C

MECHANICAL DATA

Displacement	27.8 cm^3
Oil Charge	650 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	18.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	20.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2E3C-103
Overload Protection	15HM1962-240 (internal)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 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
54.4	-23.3	1375	1.39	990	5.06	31.81

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 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
-40	653	1.15	569	3.33	14.97
-35	869	1.32	657	3.66	19.98
-30	1130	1.50	751	4.02	26.09
-25	1443	1.70	849	4.42	33.44
-20	1810	1.92	945	4.84	42.18
-15	2237	2.16	1037	5.29	52.44
-10	2727	2.43	1120	5.78	64.37

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °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
-40	590	1.01	585	3.33	13.51
-35	797	1.16	684	3.73	18.29
-30	1050	1.32	794	4.16	24.19
-25	1355	1.49	911	4.63	31.36
-20	1717	1.66	1032	5.13	39.93
-15	2139	1.85	1154	5.66	50.05
-10	2626	2.06	1273	6.22	61.85

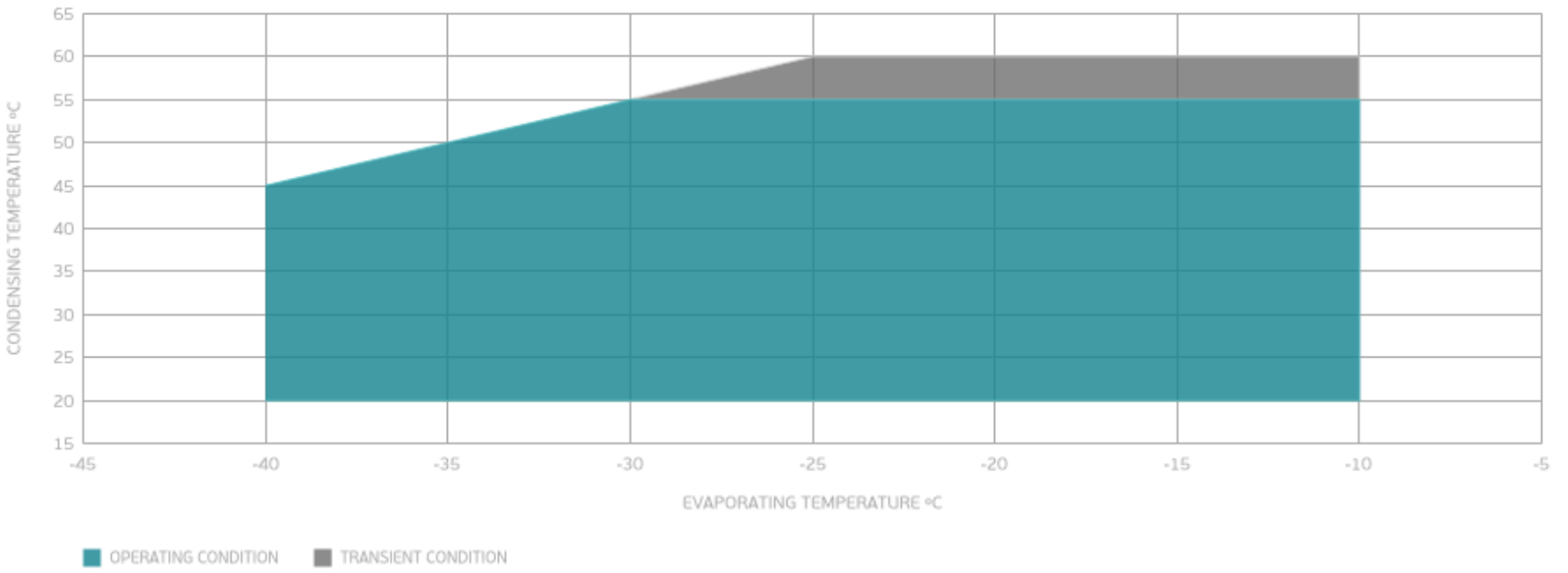
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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
-30	960	1.19	809	4.34	22.08
-25	1256	1.33	944	4.88	28.99
-20	1608	1.48	1087	5.46	37.33
-15	2023	1.64	1235	6.07	47.23
-10	2503	1.81	1386	6.72	58.84

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

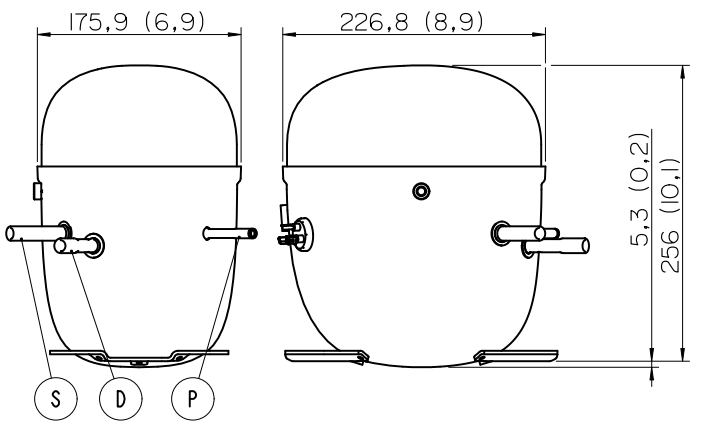
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

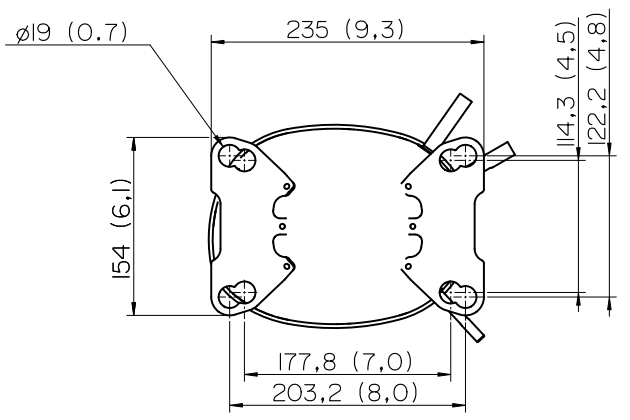
Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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