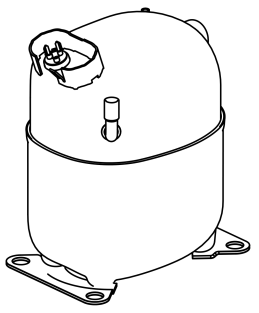
COMPRESSOR TECHNICAL DATA

NJ2212GK



ENGINEERING CODE
943DA11

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
806 W

EFFICIENCY
1.04 W/W

DATA

GENERAL DATA

Model	NJ2212GK
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	4.84 Ω at 25°C
Run Winding Resistance	1.7 Ω at 25°C

MECHANICAL DATA

Displacement	34.38 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	20.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2L3C-112
Overload Protection	15HM1963-248 (internal)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	806	1.04	772	-	21.81

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
-40	642	1.00	642	-	16.31
-35	911	1.19	764	-	23.23
-30	1237	1.38	897	-	31.71
-25	1618	1.56	1037	-	41.69
-20	2048	1.74	1178	-	53.12
-15	2524	1.92	1315	-	65.95
-10	3042	2.11	1444	-	80.12

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
-40	477	0.75	636	-	13.75
-35	701	0.91	770	-	20.29
-30	977	1.06	921	-	28.40
-25	1300	1.20	1083	-	38.03
-20	1666	1.33	1253	-	49.12
-15	2072	1.45	1425	-	61.63
-10	2513	1.58	1593	-	75.50

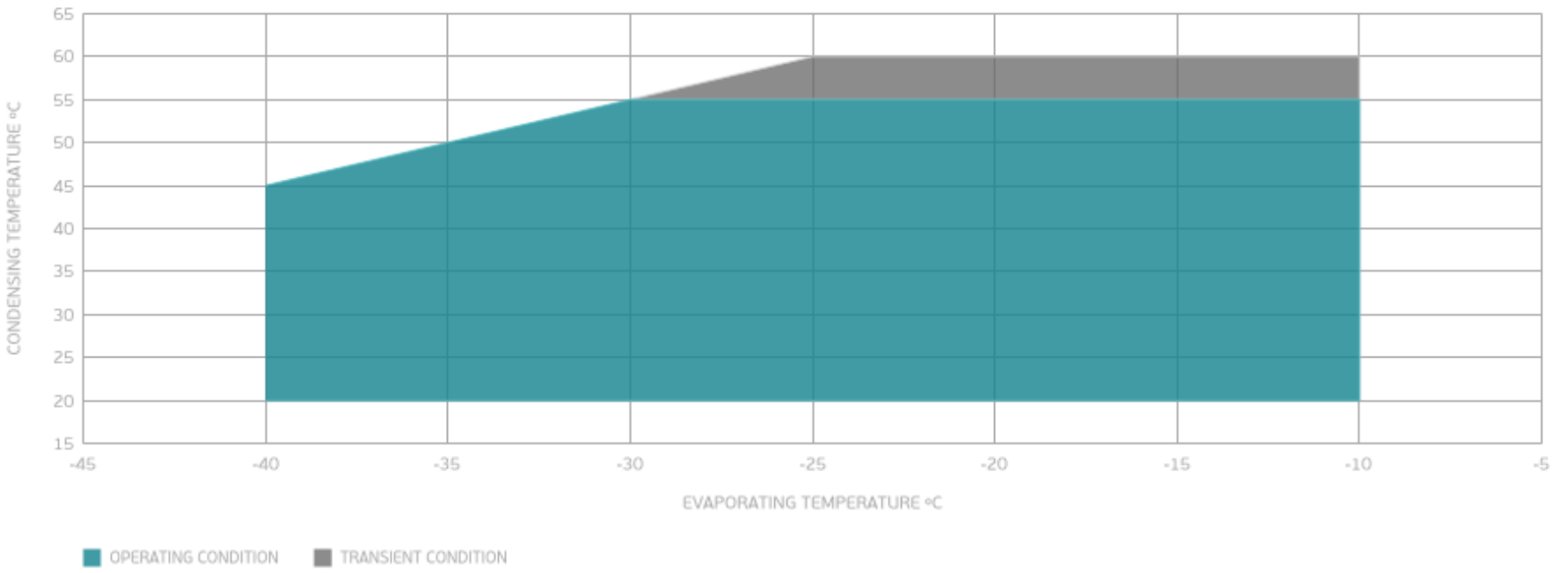
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-30	721	0.80	897	-	24.60
-25	983	0.91	1078	-	33.77
-20	1282	1.01	1271	-	44.43
-15	1614	1.10	1472	-	56.51
-10	1975	1.18	1676	-	69.98

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

ENVELOPE



External

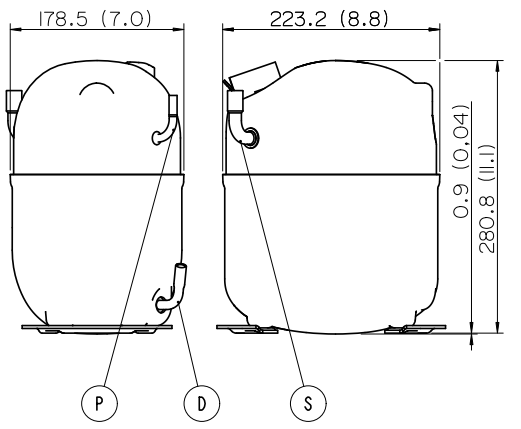
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

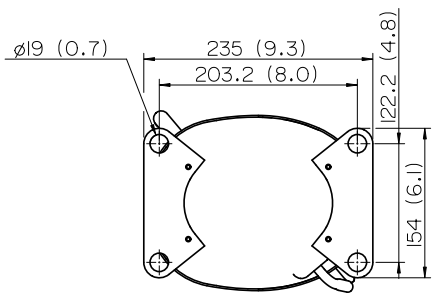
Connector	Internal Diameter	Shape	Material
Suction	12.77 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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