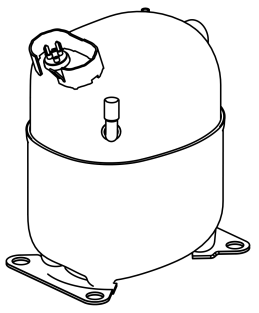
COMPRESSOR TECHNICAL DATA

NJ9238GK



ENGINEERING CODE
943RV95

REFRIGERANT
R-404A

POWER SUPPLY
230 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
AHRI

COOLING CAPACITY
2879 W

EFFICIENCY
1.76 W/W

DATA

GENERAL DATA

Model	NJ9238GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1 1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.46 Ω at 25°C
Run Winding Resistance	1.83 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	43 A

MECHANICAL DATA

Displacement	32.67 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	20.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 µf/330 V
Run Capacitor	25.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3H3C-108
Overload Protection	T0878/C9 OR MRA3764-

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	AHRI
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
43.3	-6.7	2879	1.76	1635	-	86.16

Test Condition: Subcooling 0 K, Return Gas 18.3 ºC. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	1890	1.61	1172	-	49.55
-15	2405	1.83	1313	-	63.55
-10	2988	2.06	1454	-	79.71
-5	3634	2.30	1580	-	97.99
0	4335	2.58	1681	-	118.38

Test Condition: Subcooling 0 K, Return Gas 18.3 ºC. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	1503	1.24	1213	-	44.87
-15	1928	1.41	1363	-	58.06
-10	2418	1.58	1532	-	73.55
-5	2964	1.74	1707	-	91.33
0	3560	1.90	1875	-	111.38

Test Condition: Subcooling 0 K, Return Gas 18.3 ºC. Data are an indication of performance based simulation.

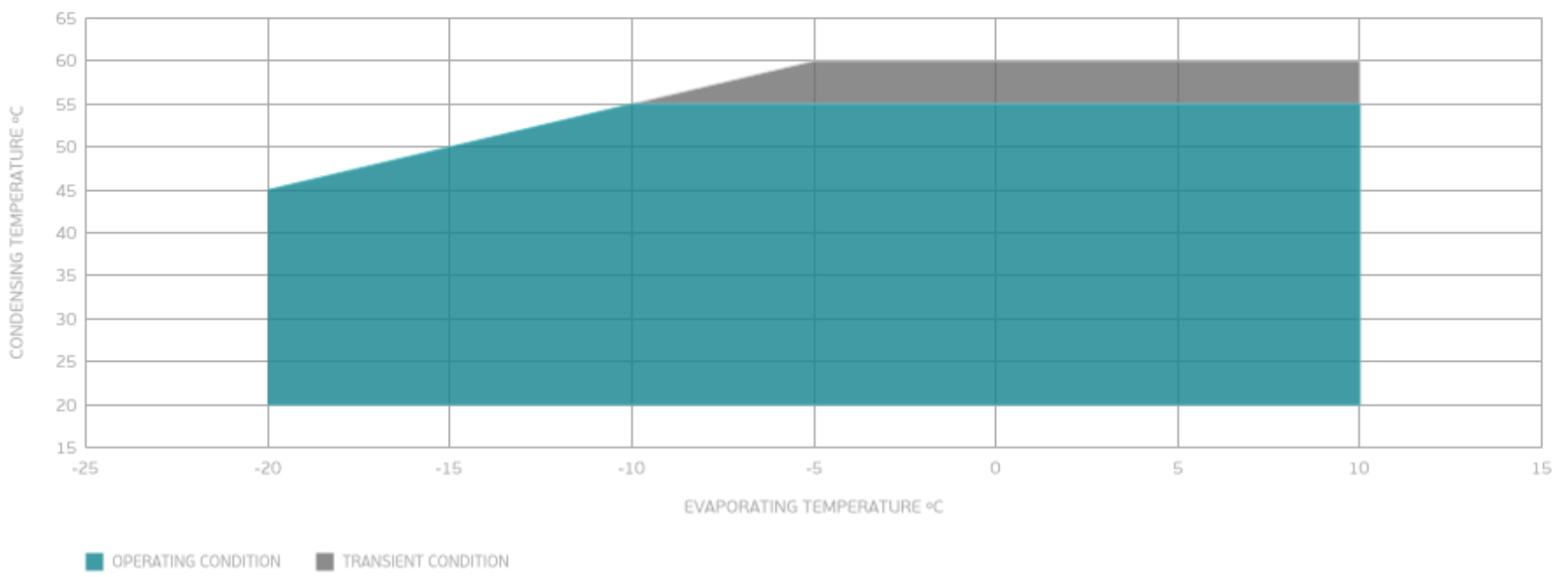
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1874	1.20	1567	-	67.50
-5	2311	1.31	1761	-	84.43
0	2791	1.42	1968	-	103.78

Test Condition: Subcooling 0 K, Return Gas 18.3 ºC. Data are an indication of performance based simulation.

ENVELOPE



External

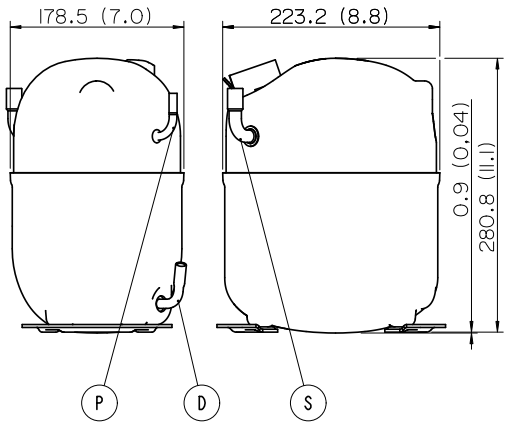
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

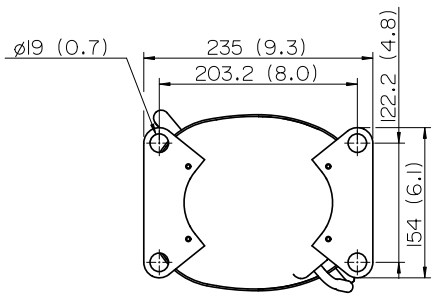
Connector	Internal Diameter	Shape	Material
Suction	12.77 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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