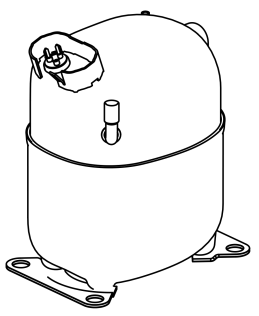
COMPRESSOR TECHNICAL DATA

NJ9238GK



ENGINEERING CODE
943RJ11

REFRIGERANT
R-404A

POWER SUPPLY
230 V 60 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
3143 W

EFFICIENCY
1.65 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	4.01 Ω at 25°C
Run Winding Resistance	1.23 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	59 A
Rated Load Amperage (LMBP) at 60 Hz	10.3 A

MECHANICAL DATA

Displacement	32.67 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	22.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 µf/330 V
Run Capacitor	30.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4AL3C-649
Overload Protection	GA3RNU0002

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	ASHRAE
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
54.4	-6.7	3143	1.65	1905	8.89	85.76

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	2434	1.79	1357	6.35	52.87
-15	3083	2.04	1510	6.95	67.34
-10	3827	2.30	1667	7.63	84.10
-5	4664	2.57	1817	8.38	103.26
0	5593	2.87	1947	9.21	124.93

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	2033	1.46	1392	6.49	48.77
-15	2614	1.68	1554	7.21	63.07
-10	3274	1.88	1740	8.00	79.55
-5	4013	2.07	1940	8.86	98.31
0	4830	2.26	2141	9.77	119.46

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

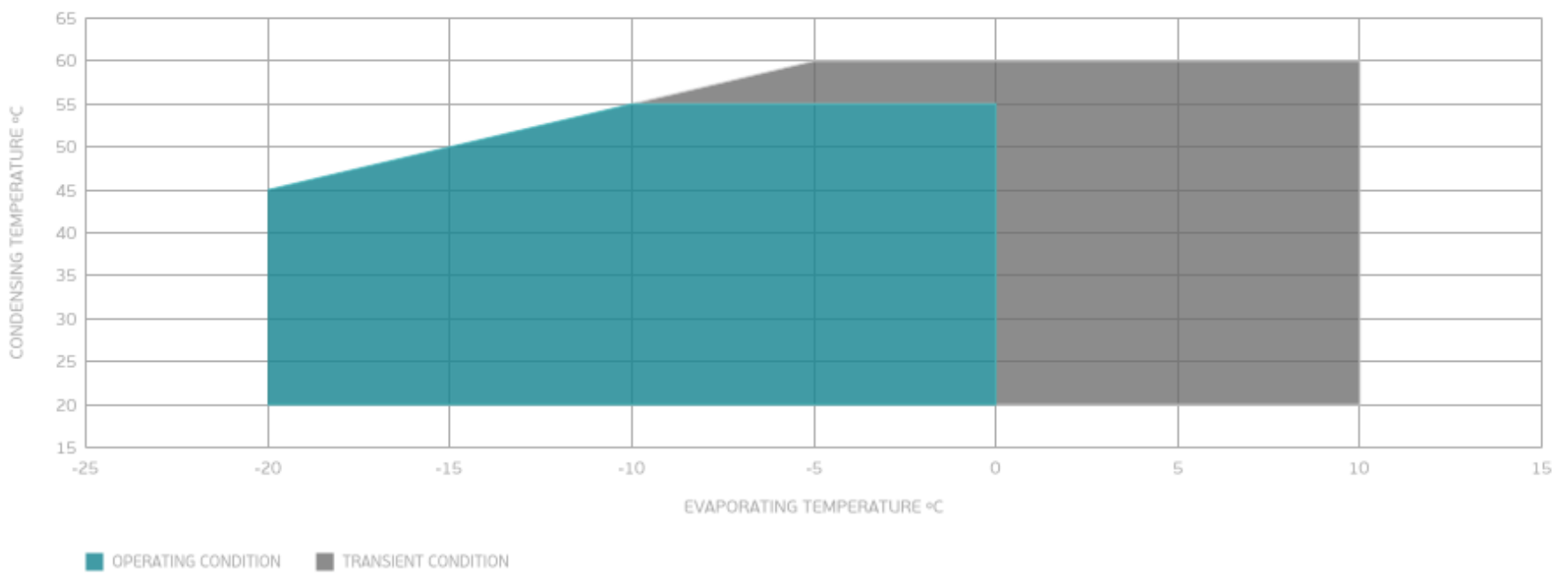
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	2686	1.52	1762	8.30	73.42
-5	3328	1.68	1984	9.24	91.84
0	4034	1.81	2229	10.24	112.52

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

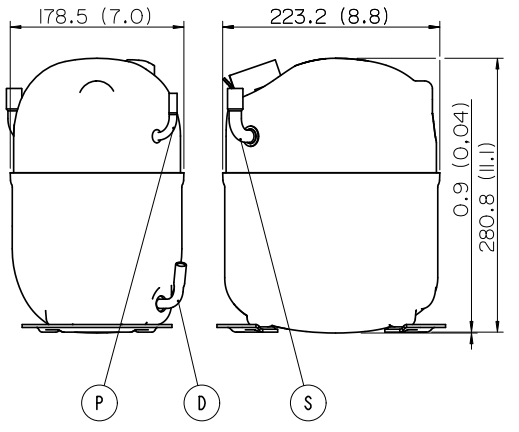
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

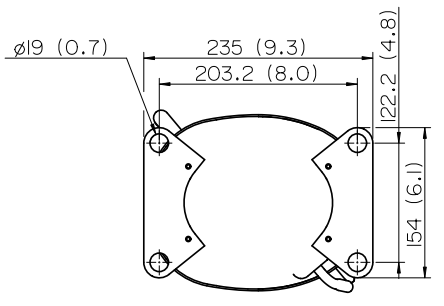
Connector	Internal Diameter	Shape	Material
Suction	12.77 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE