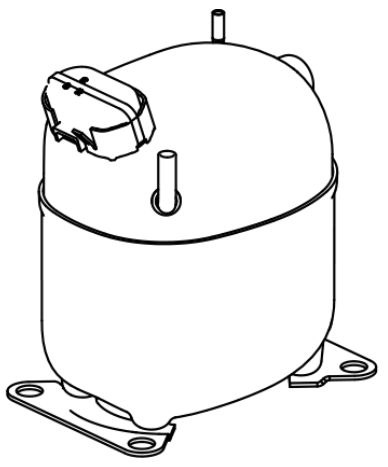
COMPRESSOR TECHNICAL DATA

NJ9238GK



ENGINEERING CODE
943RV95

REFRIGERANT
R-404A

POWER SUPPLY
230 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
2730 W

EFFICIENCY
1.64 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-

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	230 V
Tested Frequency	50 Hz
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	2730	1.64	1666	7.73	74.5

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. 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	2131	1.80	1186	5.76	46.30
-15	2714	2.05	1321	6.30	59.28
-10	3393	2.35	1446	6.79	74.58
-5	4167	2.69	1547	7.24	92.28
0	5035	3.13	1609	7.64	112.46

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1768	1.46	1208	5.86	42.41
-15	2274	1.68	1356	6.46	54.86
-10	2864	1.89	1514	7.05	69.58
-5	3538	2.12	1668	7.63	86.67
0	4294	2.38	1805	8.20	106.21

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

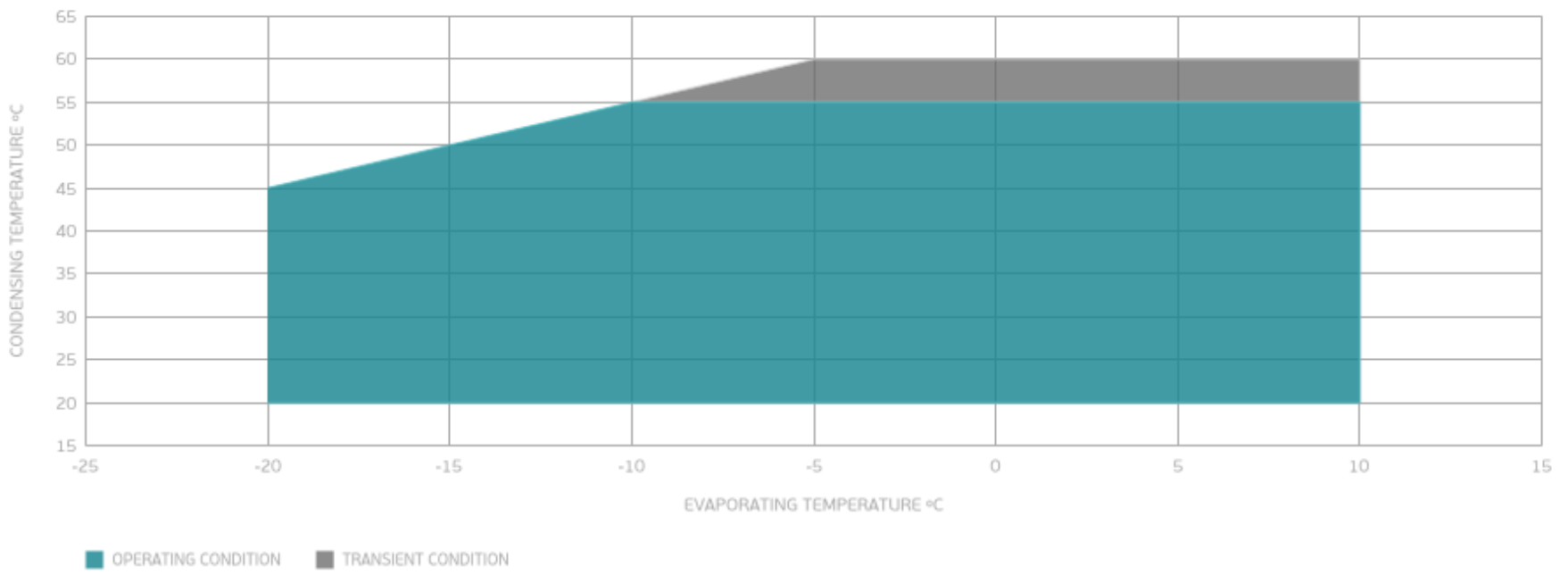
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	2324	1.50	1550	7.31	63.54
-5	2896	1.67	1731	8.04	79.91
0	3539	1.85	1914	8.80	98.70

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

ENVELOPE



EXTERNAL DIMENSIONS