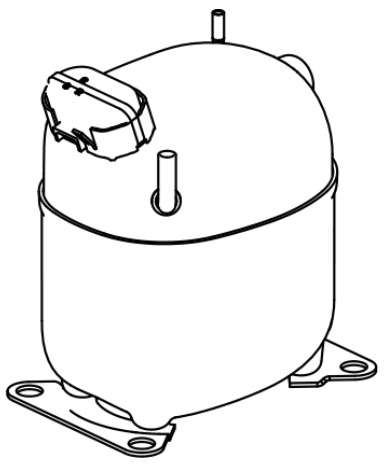
COMPRESSOR TECHNICAL DATA

NJ9232GK



ENGINEERING CODE
943GA11

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
1907 W

EFFICIENCY
1.62 W/W

DATA

GENERAL DATA

Model	NJ9232GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	7.2 Ω at 25°C
Run Winding Resistance	1.97 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	40 A

MECHANICAL DATA

Displacement	26.11 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	19.9 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	30.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3H3C-108
Overload Protection	USP-665-88 (internal)

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	EN12900
Tested Cooling	Fan
Tested Voltage	220 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
45	-10	1907	1.62	1175	5.65	57.27

Test Condition: Subcooling 0 K, Return Gas 20 °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	1437	1.52	945	4.67	37.21
-15	1879	1.83	1029	5.08	49.14
-10	2393	2.12	1127	5.46	63.10
-5	2978	2.43	1226	5.83	79.30
0	3632	2.77	1312	6.19	97.97
5	4356	3.17	1373	6.56	119.30
10	5147	3.69	1393	6.95	143.51

Test Condition: Subcooling 0 K, Return Gas 20 °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	1091	1.11	983	4.72	32.14
-15	1469	1.38	1065	5.19	43.70
-10	1907	1.62	1175	5.65	57.27
-5	2405	1.85	1300	6.12	73.06
0	2961	2.08	1425	6.60	91.28
5	3574	2.32	1539	7.11	112.15
10	4243	2.61	1627	7.66	135.88

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

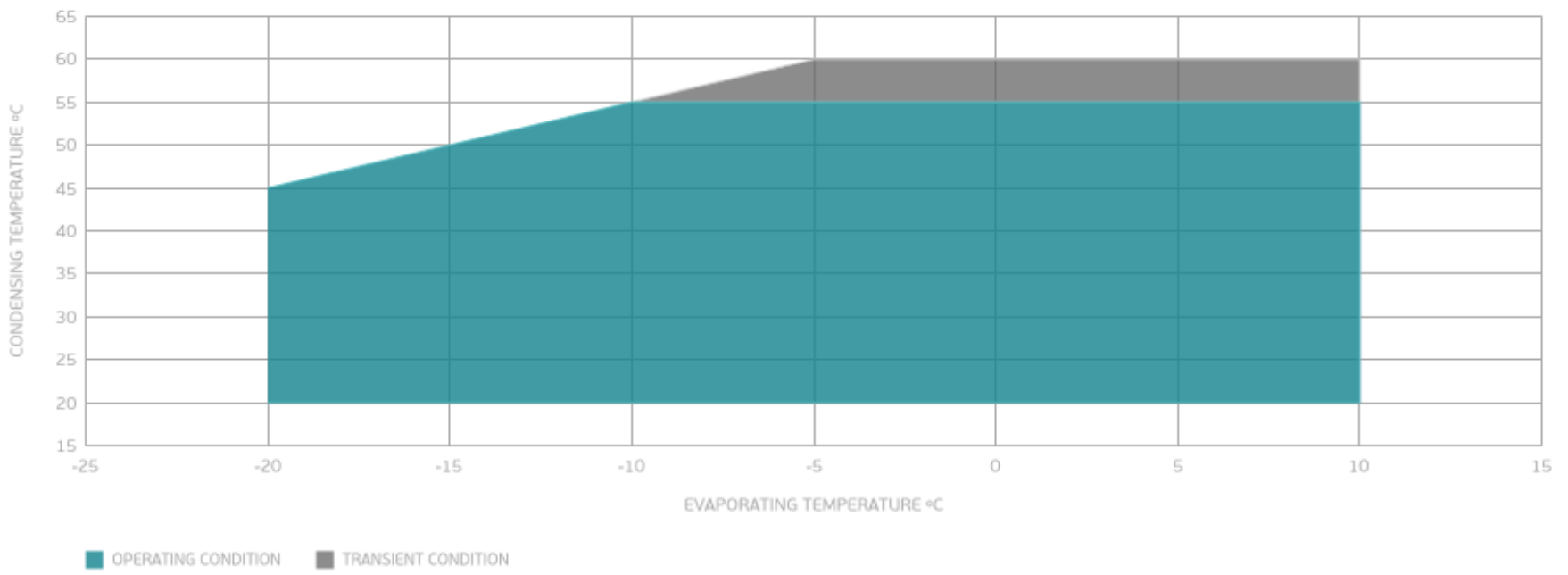
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1423	1.23	1155	5.81	50.42
-5	1828	1.42	1287	6.36	65.70
0	2279	1.59	1434	6.95	83.38
5	2776	1.75	1583	7.59	103.68
10	3317	1.93	1719	8.28	126.83

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS