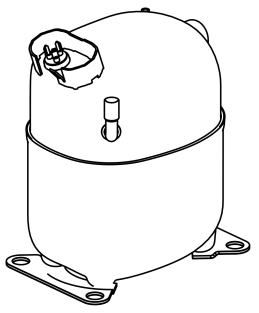
COMPRESSOR TECHNICAL DATA

NJ9226GK



ENGINEERING CODE
944LV19

REFRIGERANT
R-404A

POWER SUPPLY
230 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1868 W

EFFICIENCY
1.81 W/W

DATA

GENERAL DATA

Model	NJ9226GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	7.8 Ω at 25°C
Run Winding Resistance	2.12 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	27.5 A

MECHANICAL DATA

Displacement	21.71 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	20.7 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	20.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4M3C-110
Overload Protection	T0736/C9

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	1868	1.81	1032	4.54	50.98

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	1389	1.86	745	3.33	30.17
-15	1782	2.17	821	3.60	38.92
-10	2250	2.53	890	3.86	49.45
-5	2801	2.97	945	4.11	62.01
0	3439	3.52	978	4.36	76.83

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	1165	1.55	753	3.30	27.94
-15	1510	1.79	843	3.68	36.45
-10	1922	2.05	937	4.05	46.69
-5	2405	2.34	1027	4.40	58.91
0	2965	2.68	1107	4.75	73.33

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

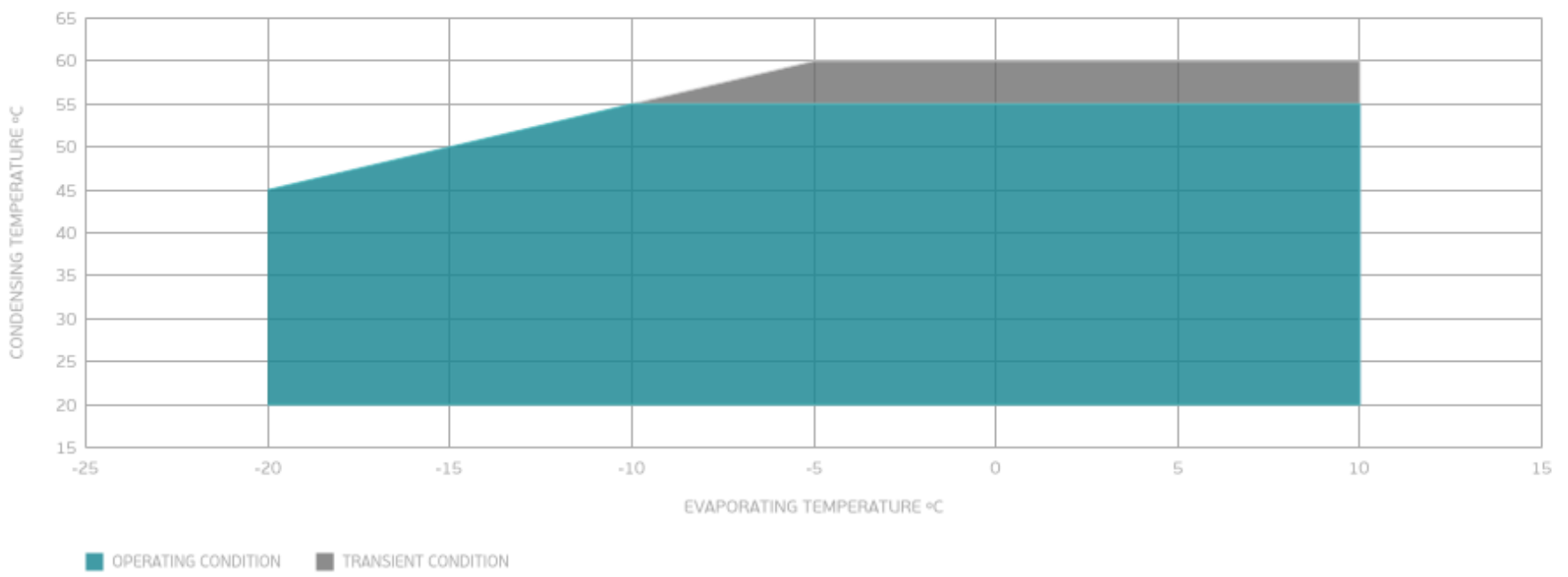
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1577	1.64	960	4.24	43.12
-5	1992	1.86	1072	4.71	54.98
0	2474	2.09	1186	5.17	68.99

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

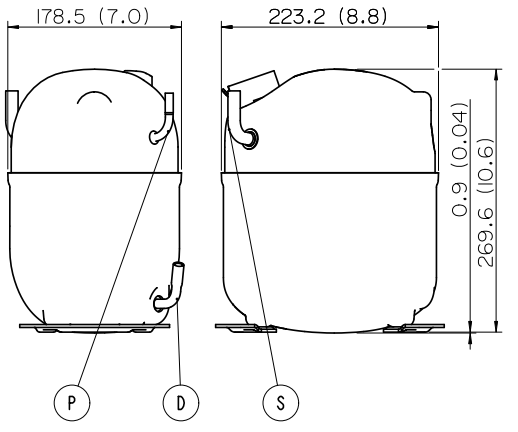
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

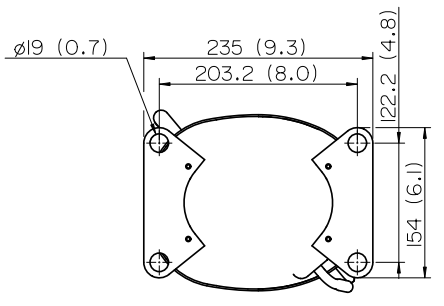
Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE