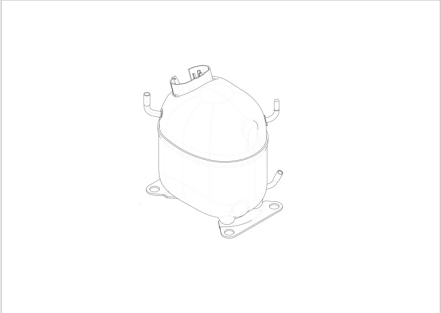
MODEL
NJ9226GK

embraco



APPROVALS

ENGINEERING CODE
944LV11

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
230 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
M/HBP

COOLING CAPACITY
1648 W

EFFICIENCY
1.7 W/W

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	21.7 cm³
Compressor Cooling	Fan
Fan Air Flow	800 m³/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	230 V 50 Hz
Evaporating Temperature Range	-20 °C to 10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	7.8 Ω at 25° C
Run Winding Resistance	2.12 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	800 g
Oil Charge	750 ml
Oil Type Configuration	Polyolester
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	21 Kg
Free Internal Volume	3.9 L

Electrical Components

	Description
CSR / CSIR Box	yes
Start Capacitor	88-108 ?F / 330V
Starting Device	Potential relay | RVA4M3C-110
Motor Protection	External 3/4" T0736/C9

External Characteristics

Base Plate	Large
Tray Holder	No
Height	265 mm

Connector	Internal Diameter	Shape
Suction	9.6 mm	Vertical
Discharge	8 mm	Slanted 65?
Process	6.42 mm	Vertical

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
45.00°C	-10.00°C	1648 W	970 W	4.44 A	49.51 kg/h	1.7 W/W

Test Condition: EN12900, Fan, Return Gas 20°C, Evaporation -10.00°C, Condensing 45.00°C, Ambient 35°C , Liquid 45°C. Data in accordance to EN12900 guideline polynomial curve.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-20	1241	760	3.54	32.18	1.63
-15	1590	836	3.85	41.54	1.9
-10	2014	909	4.17	53.08	2.22
-5	2508	979	4.48	66.81	2.56
0	3069	1046	4.78	82.80	2.93
5	3694	1110	5.03	101.07	3.33
10	4378	1170	5.23	121.68	3.74

Test Condition: EN12900, Fan, M/HBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-20	982	782	3.63	28.94	1.26
-15	1285	878	4.03	38.23	1.46
-10	1648	970	4.44	49.51	1.7
-5	2066	1059	4.85	62.82	1.95
0	2536	1145	5.23	78.20	2.22
5	3055	1227	5.57	95.69	2.49
10	3618	1304	5.86	115.33	2.77

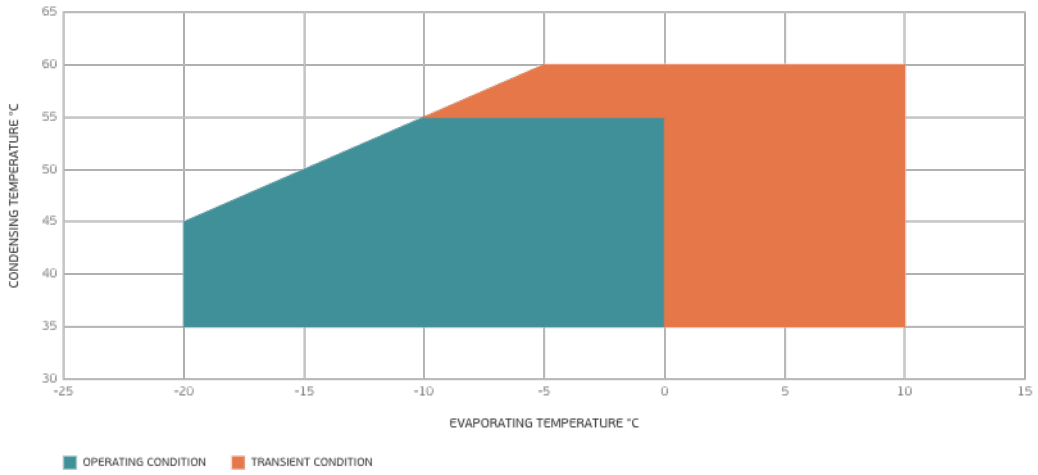
Test Condition: EN12900, Fan, M/HBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

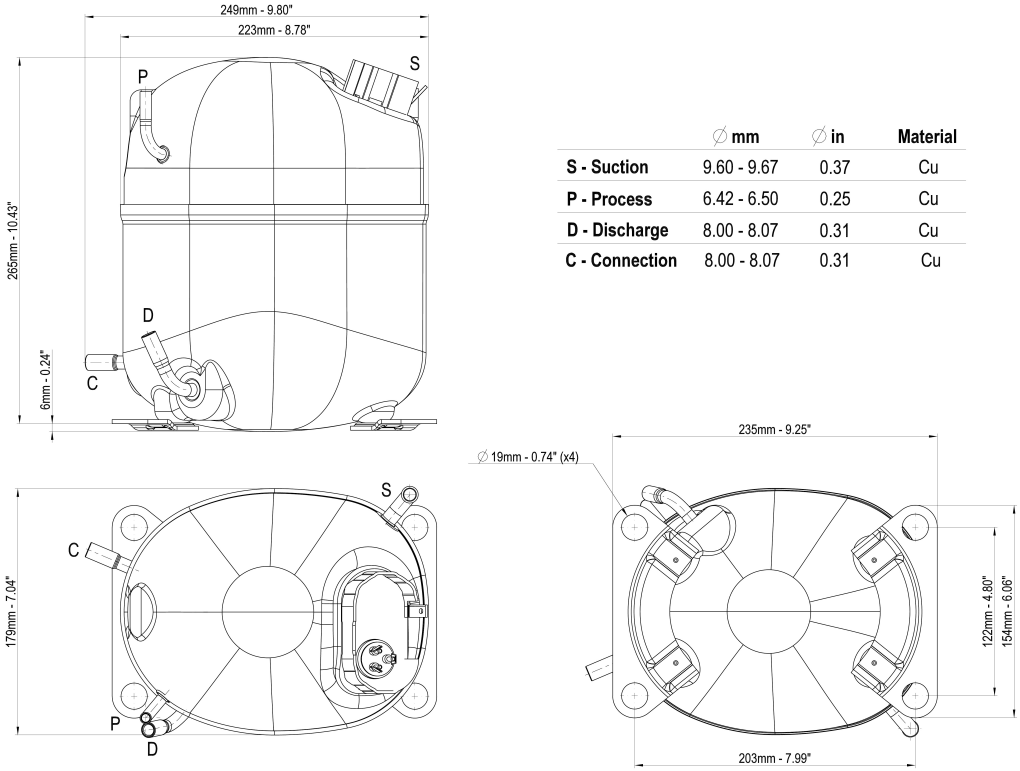
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-10	1255	1021	4.66	44.49	1.23
-5	1581	1133	5.16	56.85	1.4
0	1944	1240	5.63	71.11	1.57
5	2340	1344	6.07	87.30	1.74
10	2766	1442	6.44	105.46	1.92

Test Condition: EN12900, Fan, M/HBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope

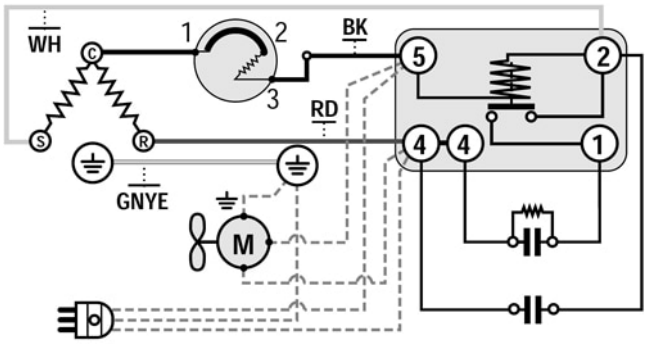


External Dimensions



	∅ mm	∅ in	Material
S - Suction	9.60 - 9.67	0.37	Cu
P - Process	6.42 - 6.50	0.25	Cu
D - Discharge	8.00 - 8.07	0.31	Cu
C - Connection	8.00 - 8.07	0.31	Cu

Wiring Diagram



Assembly Instructions