

MODEL

NJ9226GS

embraco



APPROVALS


 **ENGINEERING CODE**

948LM19

 **APPROVED REFRIGERANT**

R-404A

 **POWER SUPPLY**

380-420 V 50 Hz

 **STANDARD CONDITIONS**

ASHRAE

 **APPLICATION**

M/HBP

 **COOLING CAPACITY**

2902 W

 **EFFICIENCY**

2.09 W/W

 **MOTOR TYPE**

3PHASE

 **STARTING TORQUE**

HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	21.7 cm ³
Compressor Cooling	Fan
Fan Air Flow	800 m ³ /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	380-420 V 50 Hz / 440-480 V 60 Hz
Evaporating Temperature Range	-20 °C to 10 °C

Electrical Data

Motor type	3PHASE
Starting Torque	HST
Run Winding Resistance	18.67 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	19.2 Kg
Free Internal Volume	3.9 L

Electrical Components

	Description
Motor Protection	Internal 34HM273

External Characteristics

Base Plate	Large	
Tray Holder	No	
Height	265 mm	
Connector	Internal Diameter	Shape
Suction	12.77 mm	ROTOLOCK 1"-14UNS-2A
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
54.40°C	7.20°C	2902 W	1388 W	2.46 A	81.37 kg/h	2.09 W/W

Test Condition: ASHRAE, Fan, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C, Liquid 46.1°C. Data in accordance to ASHRAE 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	1384	681	1.52	29.97	2.03
-15	1740	778	1.62	37.89	2.24
-10	2176	860	1.72	47.69	2.53
-5	2693	931	1.81	59.46	2.89
0	3291	990	1.89	73.30	3.32
5	3970	1040	1.97	89.29	3.82
10	4730	1082	2.05	107.51	4.37

Test Condition: ASHRAE, Fan, M/HBP. Data in accordance to ASHRAE 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	1161	742	1.57	27.75	1.57
-15	1439	851	1.7	34.61	1.69
-10	1789	950	1.83	43.31	1.88
-5	2209	1039	1.95	53.95	2.13
0	2702	1120	2.07	66.60	2.41
5	3265	1195	2.18	81.35	2.73
10	3899	1266	2.3	98.29	3.08

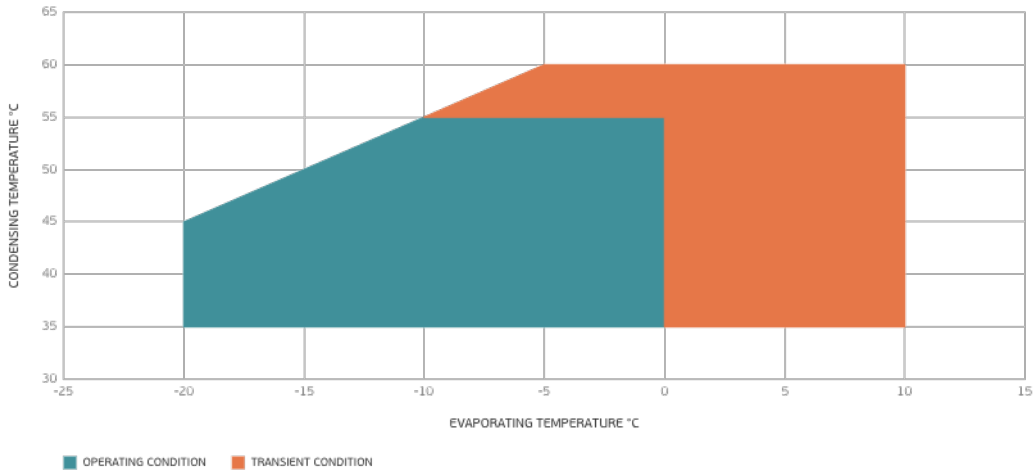
Test Condition: ASHRAE, Fan, M/HBP. Data in accordance to ASHRAE guideline polynomial curve.

Condensing Temperature 55°C

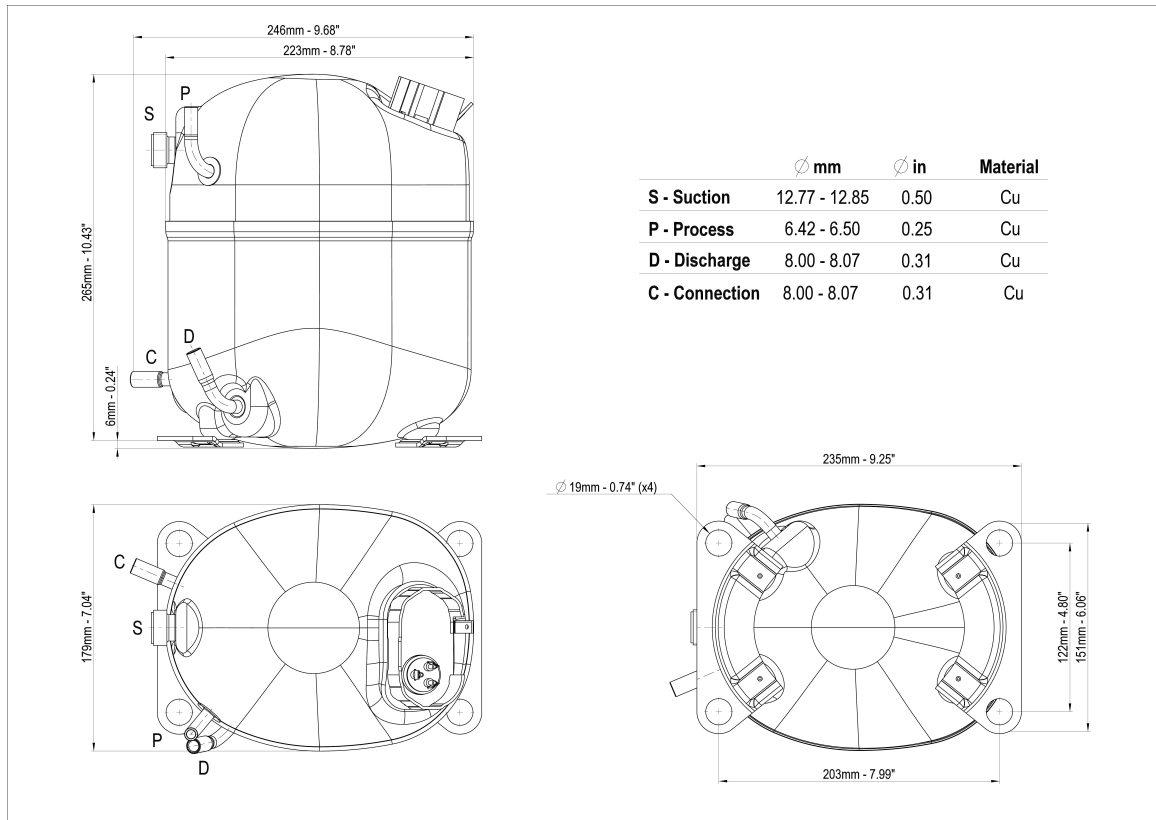
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-10	1452	1013	1.93	39.53	1.43
-5	1787	1130	2.09	49.11	1.58
0	2184	1242	2.25	60.66	1.76
5	2643	1351	2.41	74.27	1.96
10	3163	1458	2.57	90.03	2.17

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

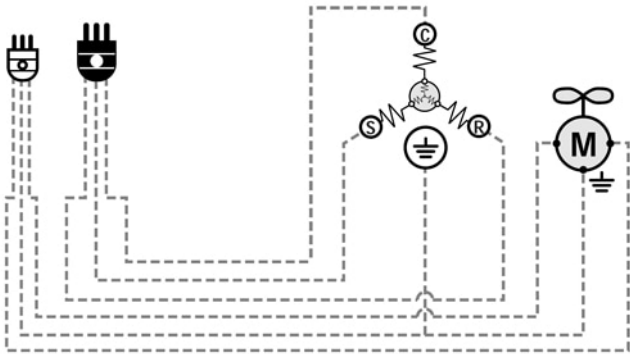
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

