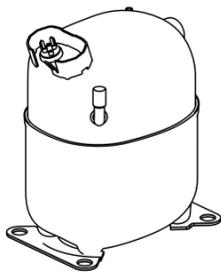**embraco**
Nidec

NJ6226Z

ENGINEERING CODE
142HA95

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
2988 W

EFFICIENCY
2.4 W/W

DATA

GENERAL DATA

Model	NJ6226Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
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	8.7 Ω at 25°C
Run Winding Resistance	2.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	31 A

MECHANICAL DATA

Displacement	34.38 cm³
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	19.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
Run Capacitor	17.5 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4M3C-109
Overload Protection	T0335/C9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 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	7.2	2988	2.4	1247	5.92	66.12

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
-15	1807	2.60	696	3.68	33.34
-10	2215	2.85	777	3.97	41.02
-5	2674	3.12	858	4.26	49.69
0	3201	3.44	930	4.56	59.73
5	3812	3.88	983	4.86	71.53
10	4523	4.49	1007	5.17	85.47

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
-15	1412	1.94	729	3.72	28.14
-10	1799	2.20	816	4.10	35.99
-5	2227	2.43	918	4.48	44.74
0	2713	2.65	1024	4.88	54.77
5	3273	2.91	1126	5.29	66.46
10	3923	3.23	1213	5.70	80.20

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	1338	1.63	823	4.23	29.18
-5	1739	1.87	930	4.71	38.11
0	2188	2.07	1055	5.21	48.24
5	2701	2.27	1190	5.72	59.93
10	3294	2.49	1325	6.25	73.59

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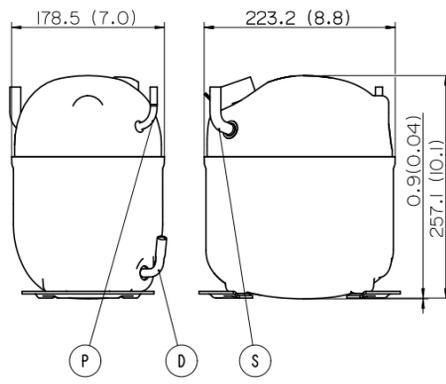
ENVELOPE

OPERATING CONDITION   TRANSIENT CONDITION
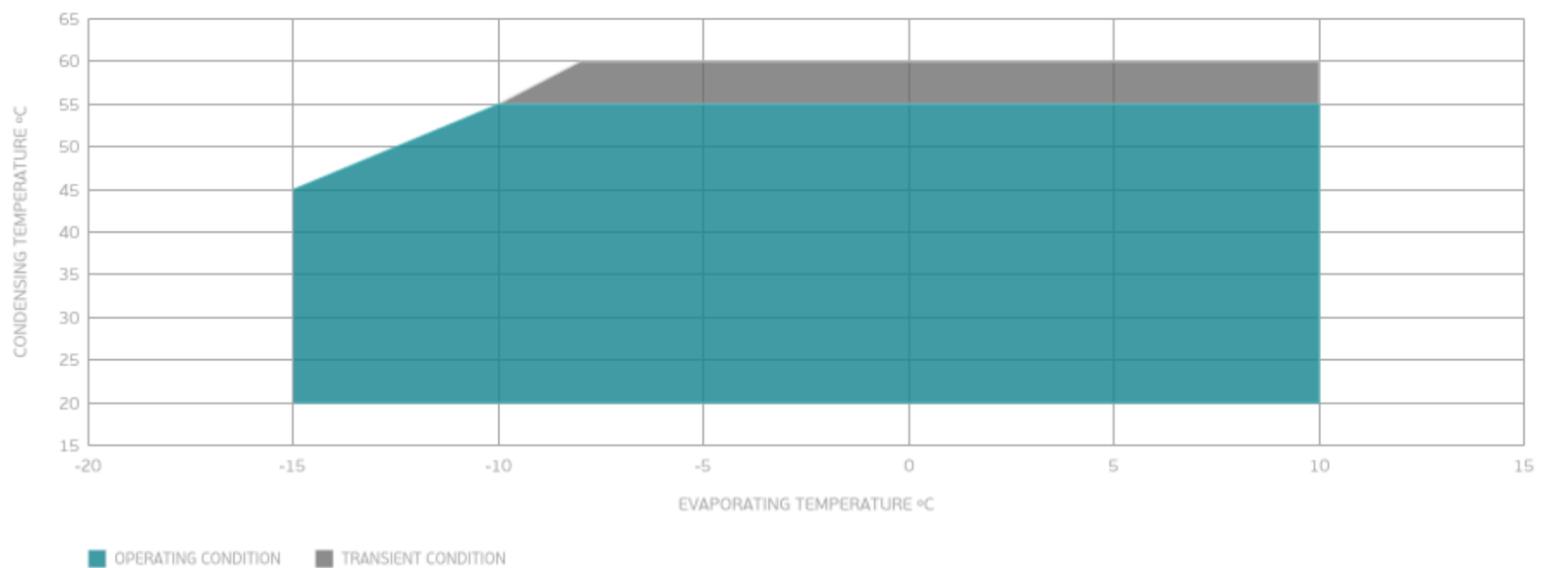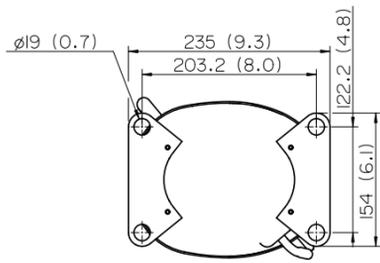
External

EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

SHELL

178.5 (7.0)

223.2 (8.8)

0.9(0.04)

257.1 (10.1)

P D S

BASE

Ø19 (0.7)

235 (9.3)

203.2 (8.0)

122.2 (4.8)

154 (6.1)

FENCE