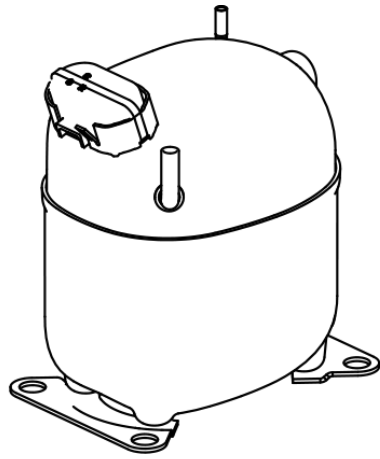


NJ9226E



ENGINEERING CODE
144IV11

REFRIGERANT
R-22

POWER SUPPLY
230 V 50 Hz

APPLICATION
M/HBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
2776 W

EFFICIENCY
2.64 W/W

DATA

GENERAL DATA

Model	NJ9226E
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	M/HBP
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

MECHANICAL DATA

Displacement	21.71 cm ³
Oil Charge	750 ml
Oil Type	ALQUILB
Oil Viscosity	ISO46
Weight	21.6 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	T0060/C9

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-22
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	230 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
50	5	2776	2.64	1050	-	64.57

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	1077	1.72	625	-	21.44
-15	1404	2.08	675	-	28.11
-10	1795	2.48	723	-	36.11
-5	2254	2.94	767	-	45.60
0	2782	3.47	801	-	56.71
5	3384	4.12	822	-	69.60
10	4061	4.93	824	-	84.41

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	908	1.40	646	-	19.52
-15	1200	1.68	714	-	25.94
-10	1551	1.97	786	-	33.69
-5	1962	2.29	858	-	42.92
0	2438	2.63	927	-	53.77
5	2982	3.02	989	-	66.39
10	3595	3.46	1038	-	80.93

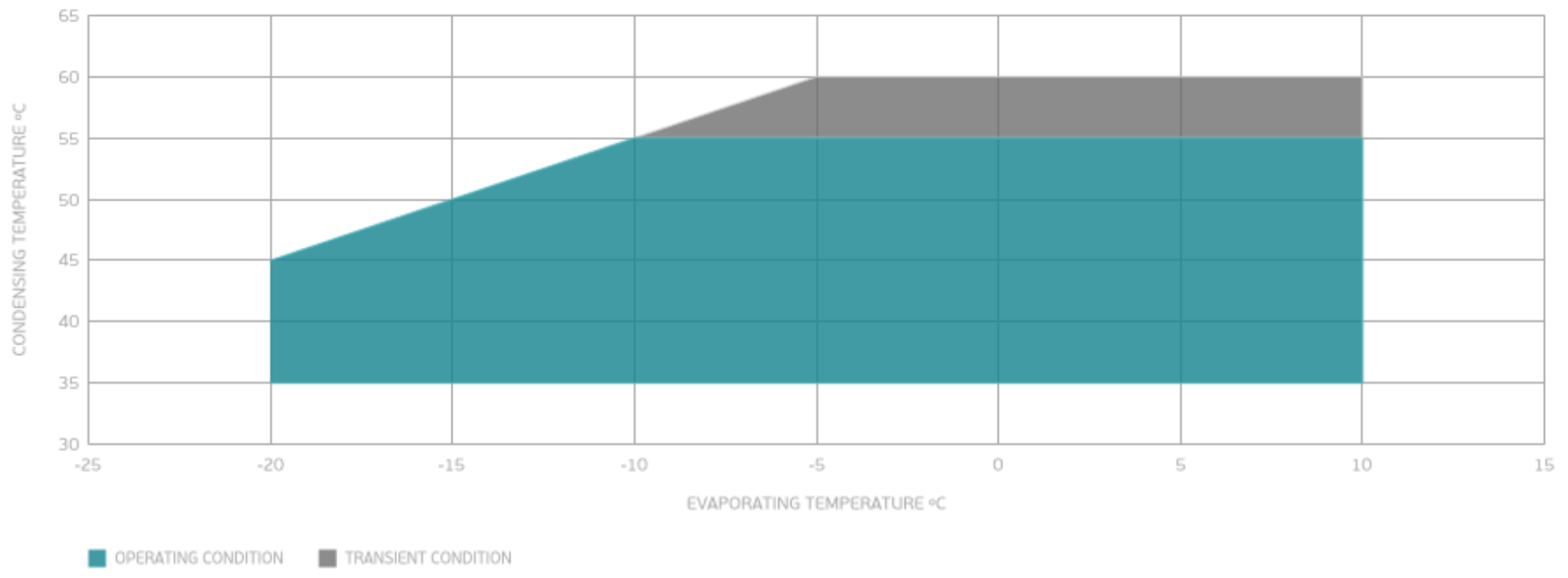
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	1301	1.62	801	-	30.86
-5	1664	1.85	898	-	39.77
0	2086	2.09	998	-	50.30
5	2569	2.34	1096	-	62.60
10	3116	2.62	1187	-	76.80

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

