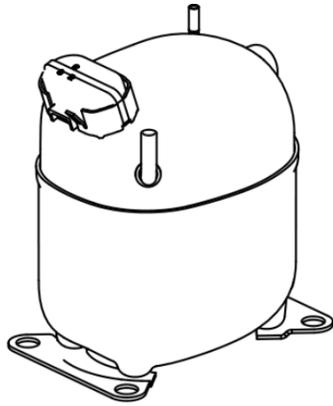


NJ9232E



ENGINEERING CODE
143MV19

REFRIGERANT
R-22

POWER SUPPLY
230 V 50 Hz

APPLICATION
M/HBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
1853 W

EFFICIENCY
1.91 W/W

DATA

GENERAL DATA

Model	NJ9232E
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	M/HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1 1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	7.4 Ω at 25°C
Run Winding Resistance	1.6 Ω at 25°C

MECHANICAL DATA

Displacement	26.11 cm ³
Oil Charge	750 ml
Oil Type	ALQUILB
Oil Viscosity	ISO46
Weight	21.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 µf/250 V
Run Capacitor	15.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2M3C-111
Overload Protection	T0825/C9

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-22
Tested Application	MBP
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
45	-10	1853	1.91	969	-	40.27

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	1219	1.73	705	-	24.27
-15	1619	2.03	796	-	32.39
-10	2122	2.38	892	-	42.67
-5	2721	2.77	982	-	55.07
0	3411	3.25	1049	-	69.57
5	4187	3.88	1080	-	86.14
10	5042	4.76	1060	-	104.74

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	1092	1.41	777	-	23.48
-15	1426	1.65	863	-	30.81
-10	1853	1.91	969	-	40.27
-5	2370	2.19	1081	-	51.83
0	2969	2.51	1183	-	65.47
5	3644	2.89	1262	-	81.15
10	4392	3.37	1303	-	98.83

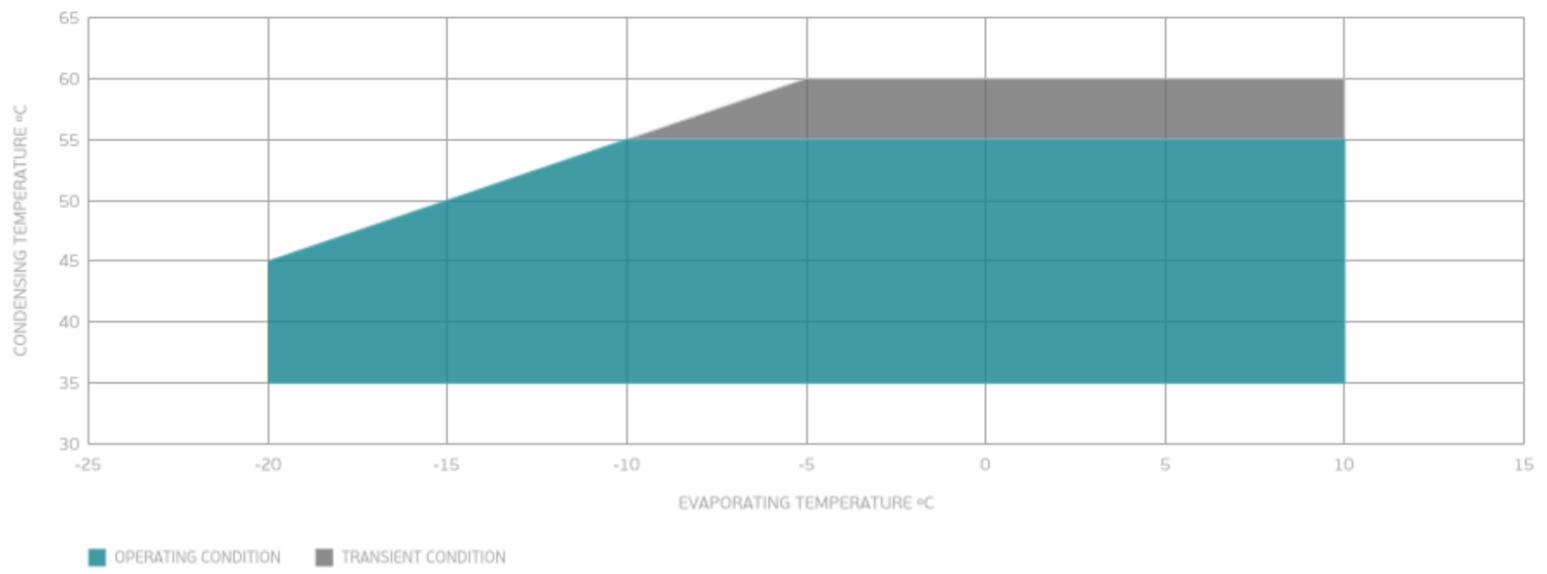
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	1578	1.57	1002	-	37.45
-5	2009	1.79	1120	-	48.01
0	2514	2.02	1242	-	60.62
5	3088	2.28	1354	-	75.24
10	3725	2.59	1441	-	91.85

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

ENVELOPE



EXTERNAL DIMENSIONS

