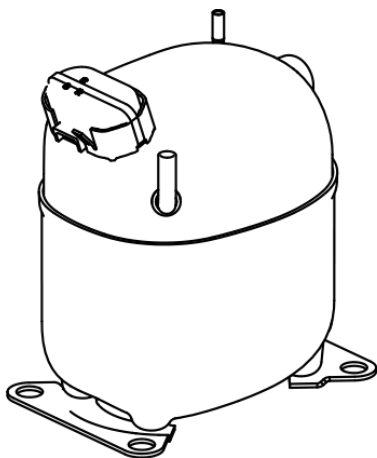


NJ9238E



ENGINEERING CODE
143QV19



REFRIGERANT
R-22



POWER SUPPLY
230 V 50 Hz



APPLICATION
M/HBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
2353 W



EFFICIENCY
1.8 W/W

DATA

GENERAL DATA

Model	NJ9238E
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	M/HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	1 1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.4 Ω at 25°C
Run Winding Resistance	1.75 Ω at 25°C

MECHANICAL DATA

Displacement	32.67 cm³
Oil Charge	750 ml
Oil Type	ALQUILB
Oil Viscosity	ISO46
Weight	22.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	CST00HK-3031

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	2353	1.8	1307	-	51.13
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	1583	1.57	1007	-	31.52
-15	2027	1.83	1105	-	40.58
-10	2585	2.14	1210	-	51.99
-5	3253	2.49	1309	-	65.82
0	4029	2.91	1386	-	82.15
5	4911	3.43	1430	-	101.02
10	5895	4.13	1426	-	122.51
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

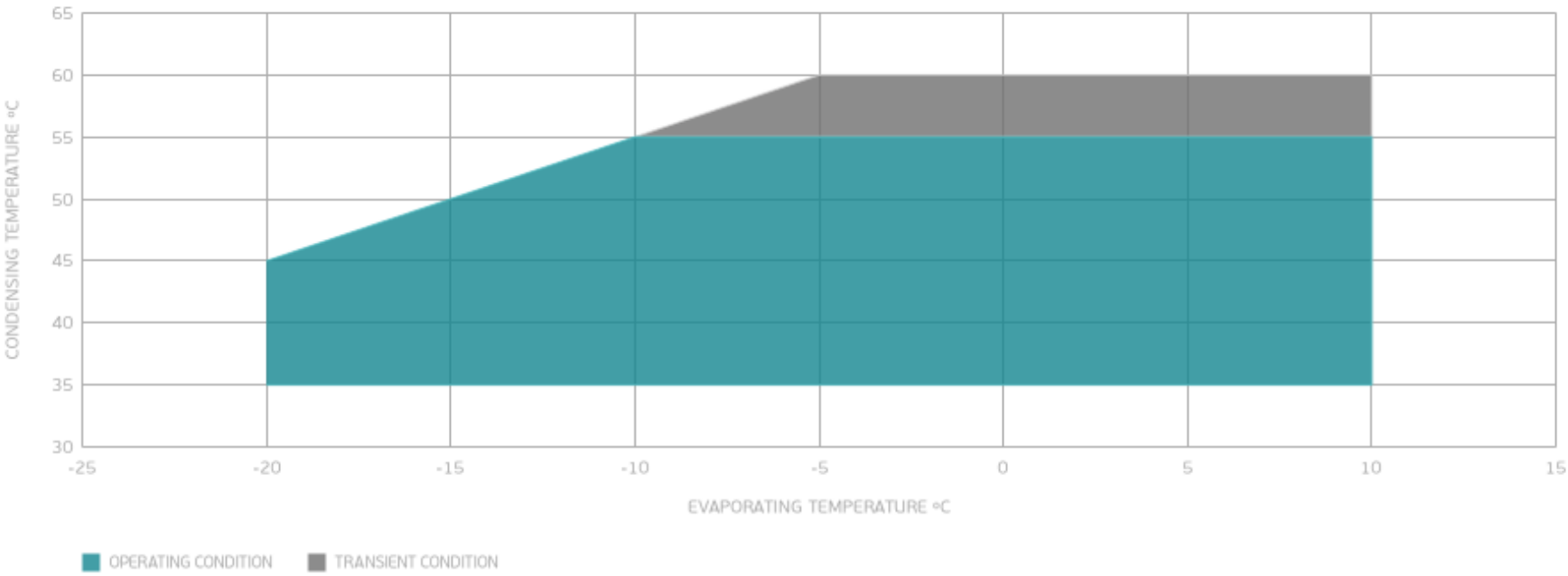
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	1470	1.36	1081	-	31.58
-15	1862	1.57	1183	-	40.24
-10	2353	1.80	1307	-	51.13
-5	2940	2.04	1438	-	64.32
0	3622	2.32	1563	-	79.87
5	4395	2.63	1669	-	97.85
10	5258	3.02	1740	-	118.32
Test Condition: 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	2075	1.55	1343	-	49.23
-5	2585	1.73	1491	-	61.76
0	3174	1.93	1648	-	76.52
5	3841	2.14	1798	-	93.59
10	4584	2.38	1930	-	113.03
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

