


NJ2212GK



 **ENGINEERING CODE**
943DA11

 **REFRIGERANT**
R-404A

 **POWER SUPPLY**
220-240 V 50 Hz

 **APPLICATION**
LBP

 **MOTOR TYPE**
CSCR

 **STANDARD**
EN12900

 **COOLING CAPACITY**
804 W

 **EFFICIENCY**
1.04 W/W



DATA

GENERAL DATA

Model	NJ2212GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	4.84 Ω at 25°C
Run Winding Resistance	1.7 Ω at 25°C

MECHANICAL DATA

Displacement	34.38 cm ³
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	15HM1963-248 (internal)

EXTERNAL CHARACTERISTICS

Base Plate	LARGE
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Connector	Internal Diameter	Shape	Material
Suction	12.77 mm	VERTICAL	COPPER
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 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
40	-35	804	1.04	770	-	21.78

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
-40	644	1.01	640	-	16.38
-35	900	1.19	759	-	22.95
-30	1225	1.37	893	-	31.36
-25	1612	1.56	1036	-	41.52
-20	2056	1.74	1182	-	53.32
-15	2551	1.93	1324	-	66.67
-10	3091	2.13	1453	-	81.47

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
-40	493	0.77	645	-	14.22
-35	705	0.91	771	-	20.40
-30	975	1.06	920	-	28.35
-25	1298	1.20	1083	-	37.98
-20	1669	1.33	1255	-	49.18
-15	2081	1.46	1428	-	61.86
-10	2528	1.58	1596	-	75.92

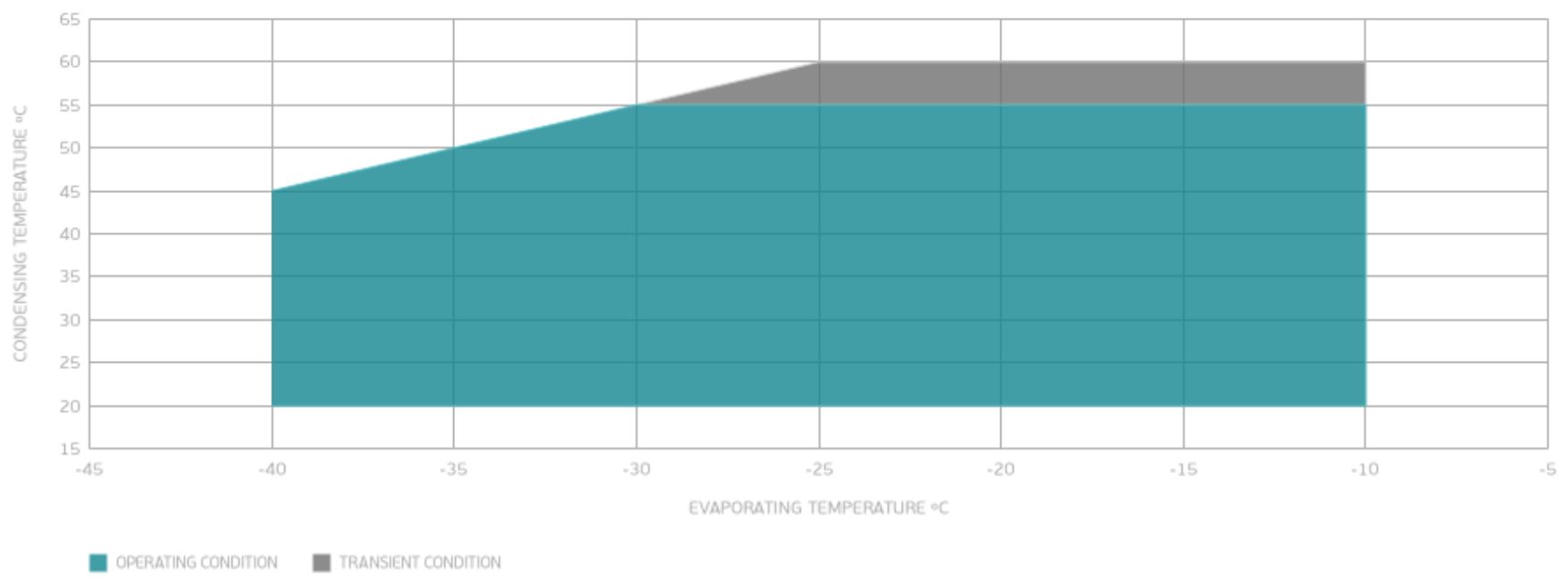
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-30	714	0.80	891	-	24.38
-25	973	0.91	1070	-	33.43
-20	1269	1.00	1264	-	43.98
-15	1598	1.09	1464	-	55.94
-10	1952	1.17	1664	-	69.21

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

ENVELOPE



EXTERNAL DIMENSIONS

