

NJ2192GJ



ENGINEERING CODE
943CA95



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
620 W



EFFICIENCY
0.98 W/W

DATA

GENERAL DATA

Model	NJ2192GJ
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
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	7.43 Ω at 25°C
Run Winding Resistance	1.92 Ω at 25°C

MECHANICAL DATA

Displacement	26.11 cm ³
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	15HM1962-248 (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	620	0.98	634	-	16.8
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	504	0.95	530	-	12.81
-35	690	1.12	619	-	17.62
-30	928	1.29	718	-	23.79
-25	1219	1.48	821	-	31.39
-20	1561	1.69	923	-	40.47
-15	1956	1.92	1018	-	51.11
-10	2404	2.18	1101	-	63.38
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

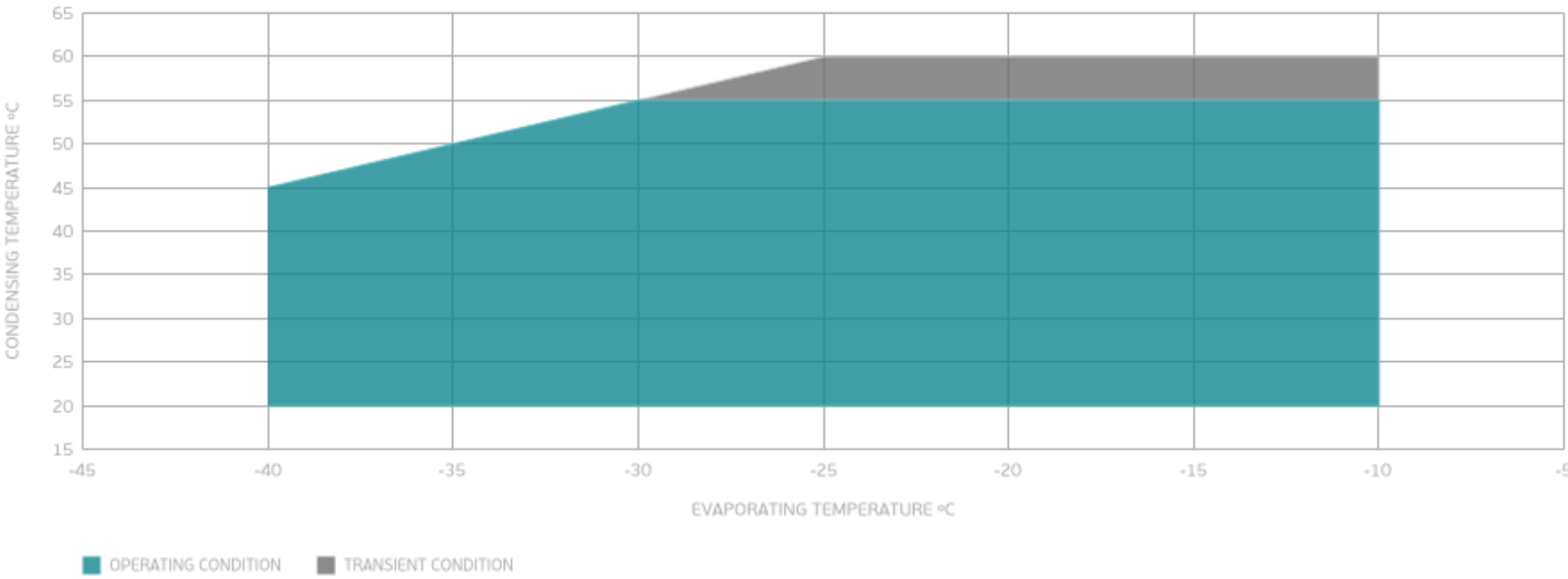
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	388	0.72	543	-	11.18
-35	546	0.85	640	-	15.80
-30	746	0.99	752	-	21.69
-25	989	1.13	873	-	28.94
-20	1276	1.28	997	-	37.60
-15	1606	1.44	1119	-	47.75
-10	1980	1.61	1233	-	59.45
Test Condition: 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	550	0.74	746	-	18.76
-25	746	0.84	883	-	25.64
-20	977	0.95	1027	-	33.87
-15	1242	1.06	1174	-	43.51
-10	1542	1.17	1317	-	54.64
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

