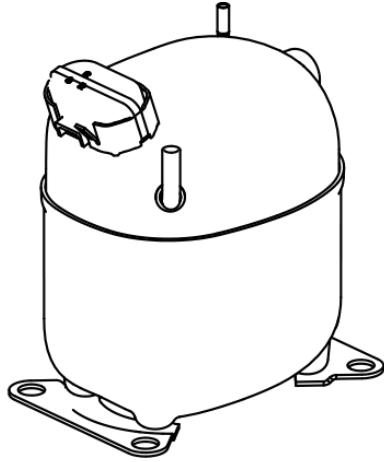


NJ2192GJ



ENGINEERING CODE
943CD11



REFRIGERANT
R-404A



POWER SUPPLY
208-230 V 60 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
AHRI



COOLING CAPACITY
826 W



EFFICIENCY
1.03 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/208
HP	1 1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.11 Ω at 25°C
Run Winding Resistance	1.23 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	44 A

MECHANICAL DATA

Displacement	26.11 cm ³
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	17.5 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3G3C-101
Overload Protection	15HM1962-248 (internal)

EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

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	AHRI
Tested Cooling	Fan
Tested Voltage	208 V
Tested Frequency	60 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
40.6	-31.7	826	1.03	800	-	25.25

Test Condition: Subcooling 0 K, Return Gas 4.4 °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	543	0.93	586	-	15.18
-35	776	1.09	712	-	21.96
-30	1056	1.25	843	-	30.03
-25	1388	1.42	977	-	39.69
-20	1778	1.60	1114	-	51.24
-15	2231	1.78	1253	-	64.97
-10	2753	1.97	1394	-	81.19

Test Condition: Subcooling 0 K, Return Gas 4.4 °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	367	0.67	548	-	11.86
-35	571	0.82	693	-	18.56
-30	812	0.96	848	-	26.55
-25	1097	1.09	1011	-	36.13
-20	1431	1.21	1182	-	47.61
-15	1819	1.34	1360	-	61.29
-10	2267	1.47	1546	-	77.46

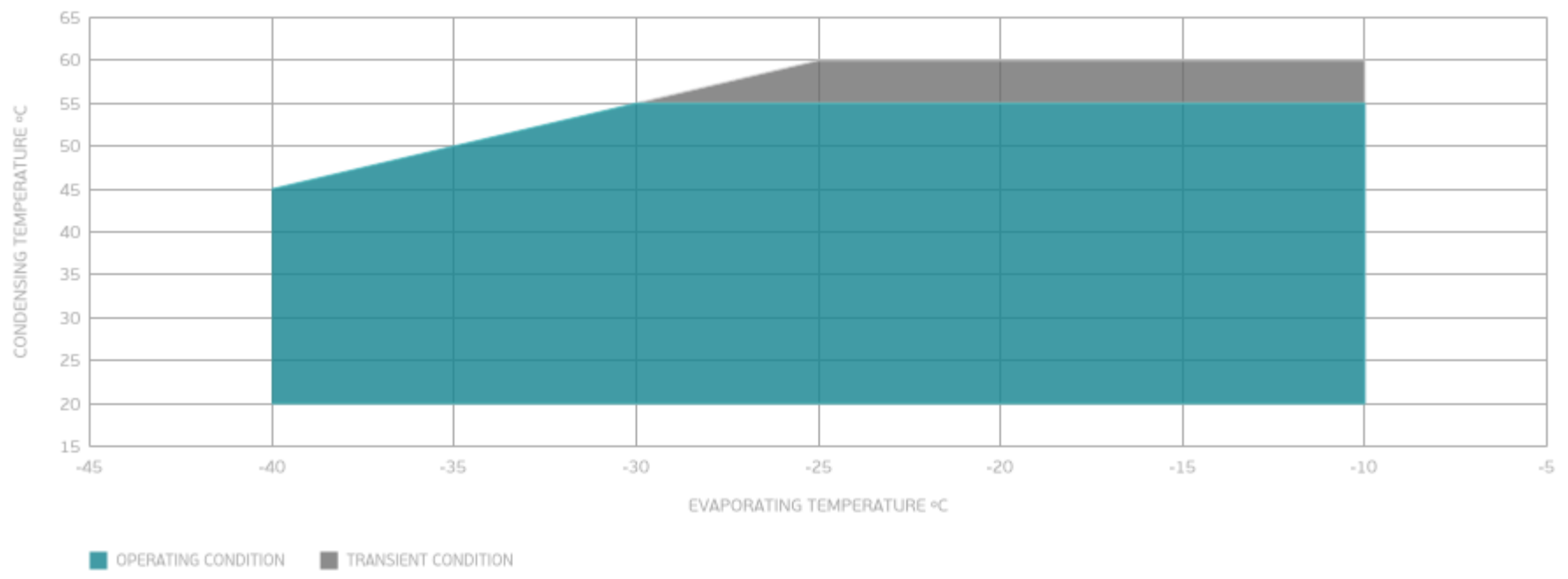
Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

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	575	0.71	813	-	22.49
-25	807	0.81	1001	-	31.97
-20	1080	0.90	1203	-	43.35
-15	1399	0.99	1419	-	56.93
-10	1769	1.07	1646	-	73.02

Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

