COMPRESSOR TECHNICAL DATA

NJ2192GJ

ENGINEERING CODE
943CA95

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1176 W

EFFICIENCY
1.26 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

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	ASHRAE
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
54.4	-23.3	1176	1.26	936	5.06	27.19

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	535	1.01	531	3.54	12.26
-35	732	1.18	620	3.84	16.85
-30	985	1.37	719	4.18	22.73
-25	1292	1.57	823	4.57	29.94
-20	1654	1.79	926	4.99	38.54
-15	2072	2.03	1022	5.46	48.58
-10	2546	2.30	1106	5.98	60.10

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	468	0.86	543	3.45	10.70
-35	658	1.02	642	3.84	15.10
-30	899	1.19	754	4.26	20.72
-25	1193	1.36	876	4.72	27.60
-20	1540	1.54	1001	5.22	35.81
-15	1939	1.73	1124	5.75	45.38
-10	2393	1.93	1239	6.31	56.37

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

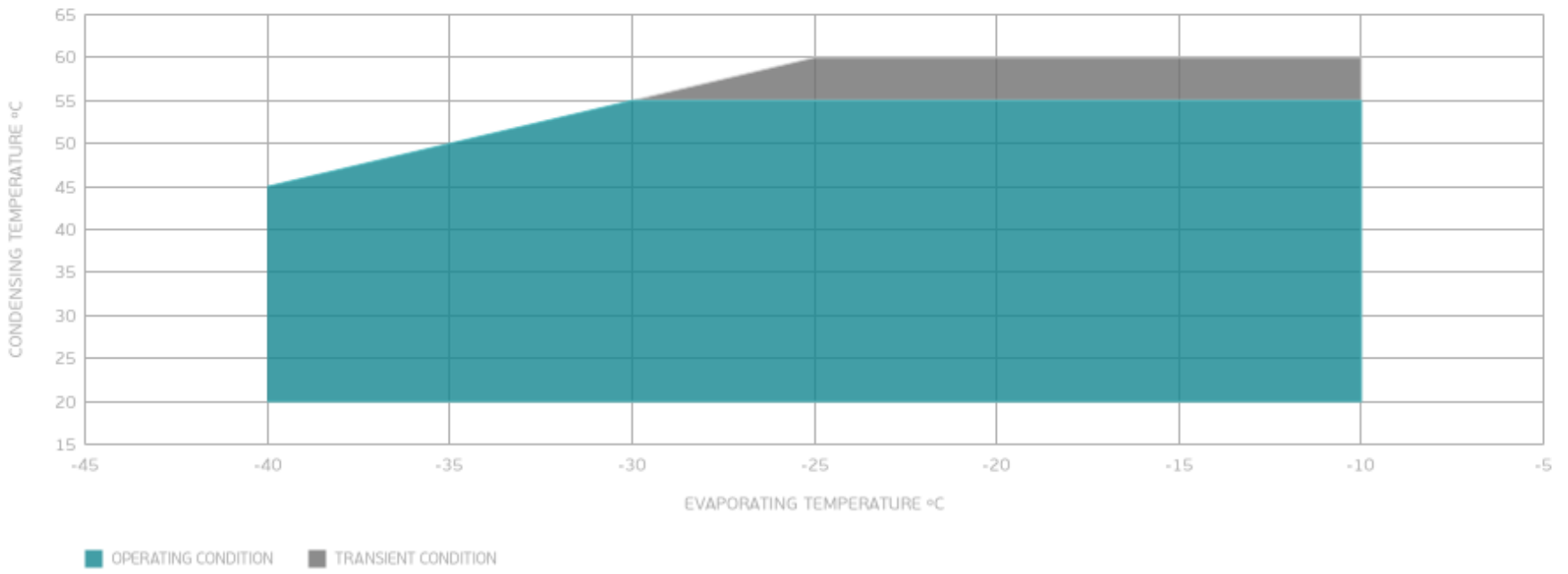
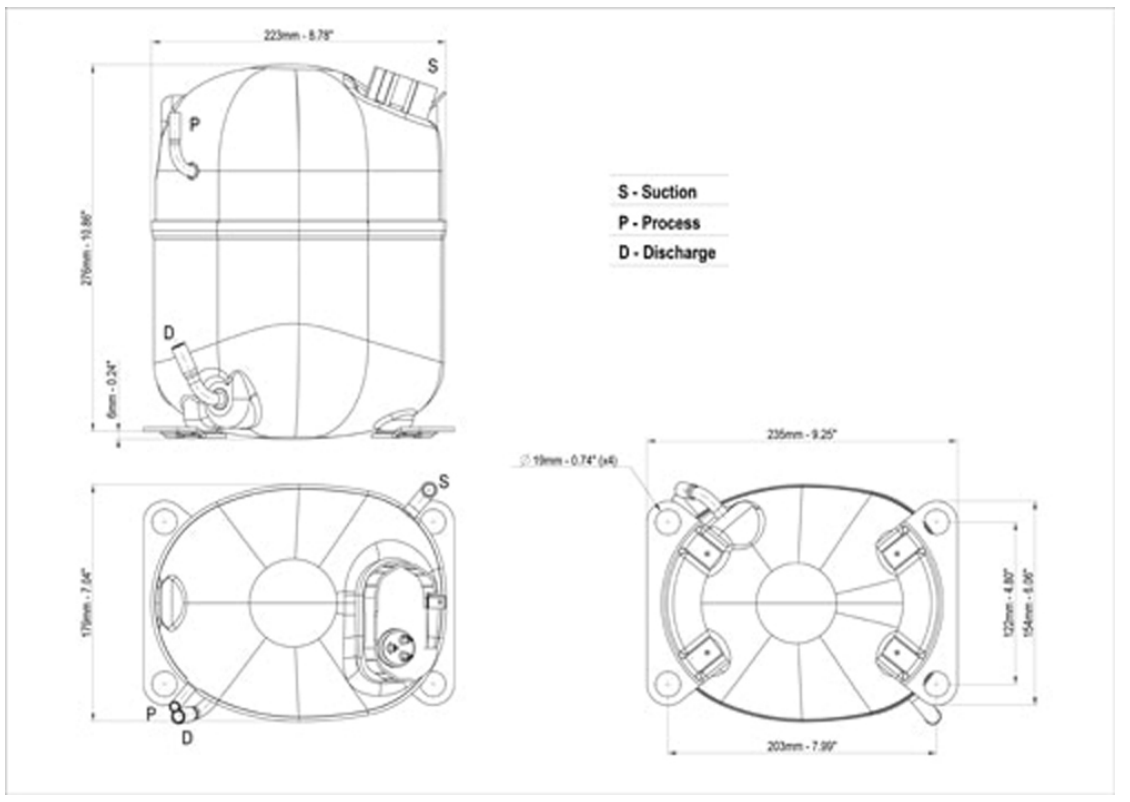
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	779	1.04	749	4.37	17.91
-25	1059	1.19	887	4.92	24.46
-20	1390	1.35	1033	5.49	32.26
-15	1771	1.50	1181	6.10	41.36
-10	2204	1.66	1326	6.72	51.81

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS