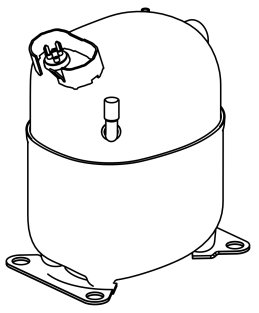
COMPRESSOR TECHNICAL DATA

NJ2192GJ



ENGINEERING CODE
943CD19

REFRIGERANT
R-404A

POWER SUPPLY
208-230 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
CECOMAF

COOLING CAPACITY
913 W

EFFICIENCY
0.9 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

Telpon : (021) 80627021 , (021) 55787961
WhatsApp : 085722 611 888 (Chat Only)
Email : sales@polarin.co.id

PT. POLARIN XININDO
Pergudangan Duta Niaga No. 9BL/BK
Jl. Halim Perdana Kusuma
Jurumudi Baru, Benda – Tangerang 15124

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)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	CECOMAF
Tested Cooling	Fan
Tested Voltage	208 V
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
55	-25	913	0.9	1015	-	28.46

Test Condition: Subcooling 0 K, Return Gas 32 °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	597	1.01	594	-	14.10
-35	844	1.17	721	-	20.07
-30	1134	1.33	850	-	27.01
-25	1476	1.50	981	-	35.26
-20	1881	1.68	1117	-	45.16
-15	2359	1.87	1258	-	57.02
-10	2918	2.07	1406	-	71.19

Test Condition: Subcooling 0 K, Return Gas 32 °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	406	0.74	548	-	10.77
-35	628	0.90	697	-	16.76
-30	888	1.04	853	-	23.76
-25	1194	1.17	1017	-	32.10
-20	1557	1.31	1190	-	42.12
-15	1986	1.45	1374	-	54.14
-10	2491	1.59	1569	-	68.49

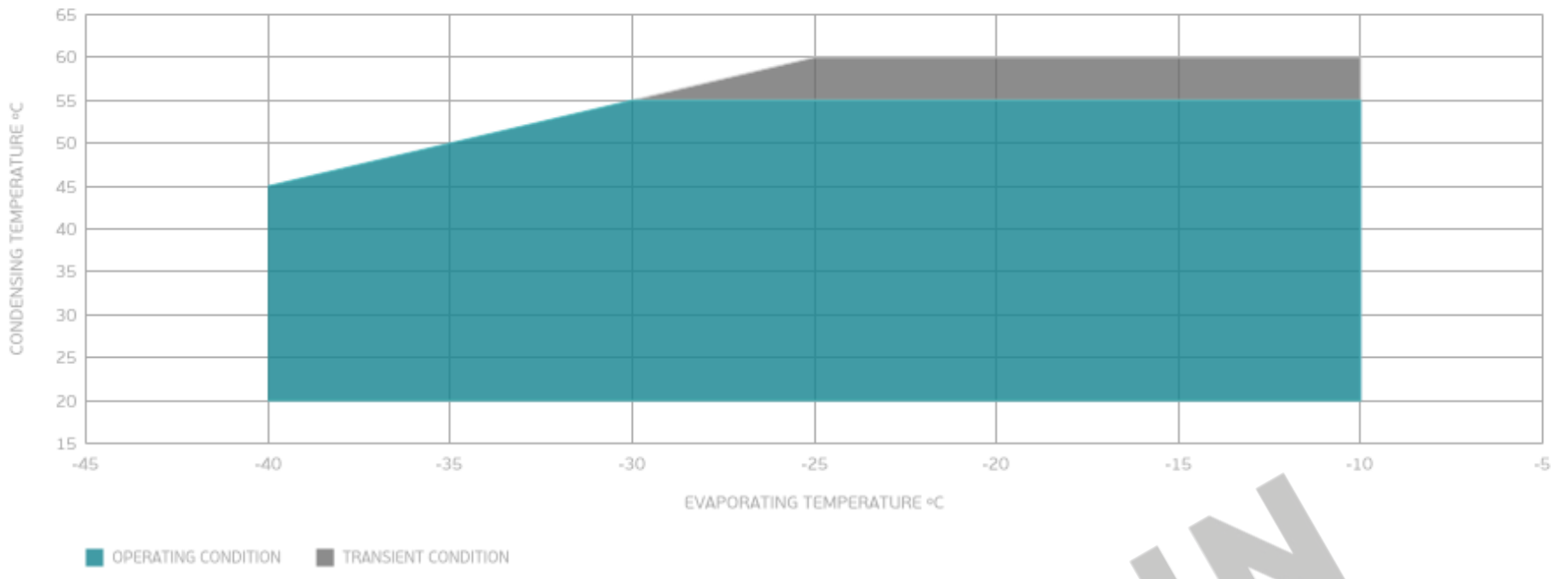
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

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	648	0.79	821	-	20.06
-25	913	0.90	1015	-	28.46
-20	1228	1.00	1225	-	38.57
-15	1603	1.11	1450	-	50.72
-10	2048	1.21	1692	-	65.23

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

ENVELOPE



External

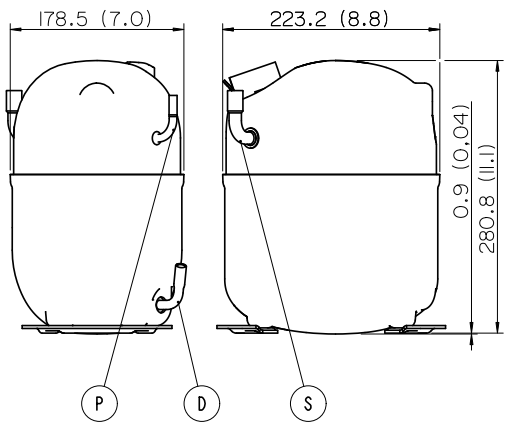
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

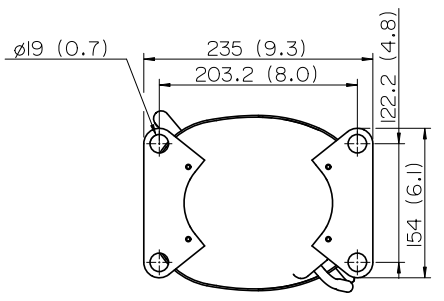
Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	8 mm	SLANTED J	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



Telpon : (021) 80627021 , (021) 55787961
WhatsApp : 085722 611 888 (Chat Only)
Email : sales@polarin.co.id

PT. POLARIN XININDO
Pergudangan Duta Niaga No. 9BL/BK
Jl. Halim Perdana Kusuma
Jurumudi Baru, Benda – Tangerang 15124