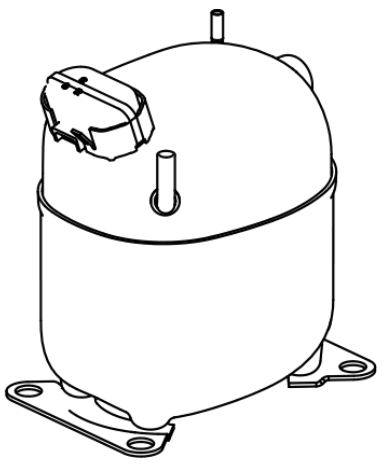
COMPRESSOR TECHNICAL DATA

NJ2212GK



ENGINEERING CODE
943DA95

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
AHRI

COOLING CAPACITY
935 W

EFFICIENCY
1.09 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
Run Capacitor	20.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2L3C-112
Overload Protection	15HM1963-248 (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	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
40.6	-31.7	935	1.09	860	-	28.55

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

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	619	0.97	639	-	17.40
-35	865	1.14	757	-	24.41
-30	1177	1.32	890	-	33.41
-25	1550	1.50	1032	-	44.32
-20	1979	1.68	1176	-	57.08
-15	2457	1.87	1315	-	71.61
-10	2981	2.07	1443	-	87.86

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

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	467	0.73	643	-	15.09
-35	668	0.87	768	-	21.69
-30	924	1.01	915	-	30.20
-25	1230	1.14	1077	-	40.54
-20	1581	1.27	1247	-	52.64
-15	1972	1.39	1417	-	66.45
-10	2398	1.52	1581	-	81.88

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

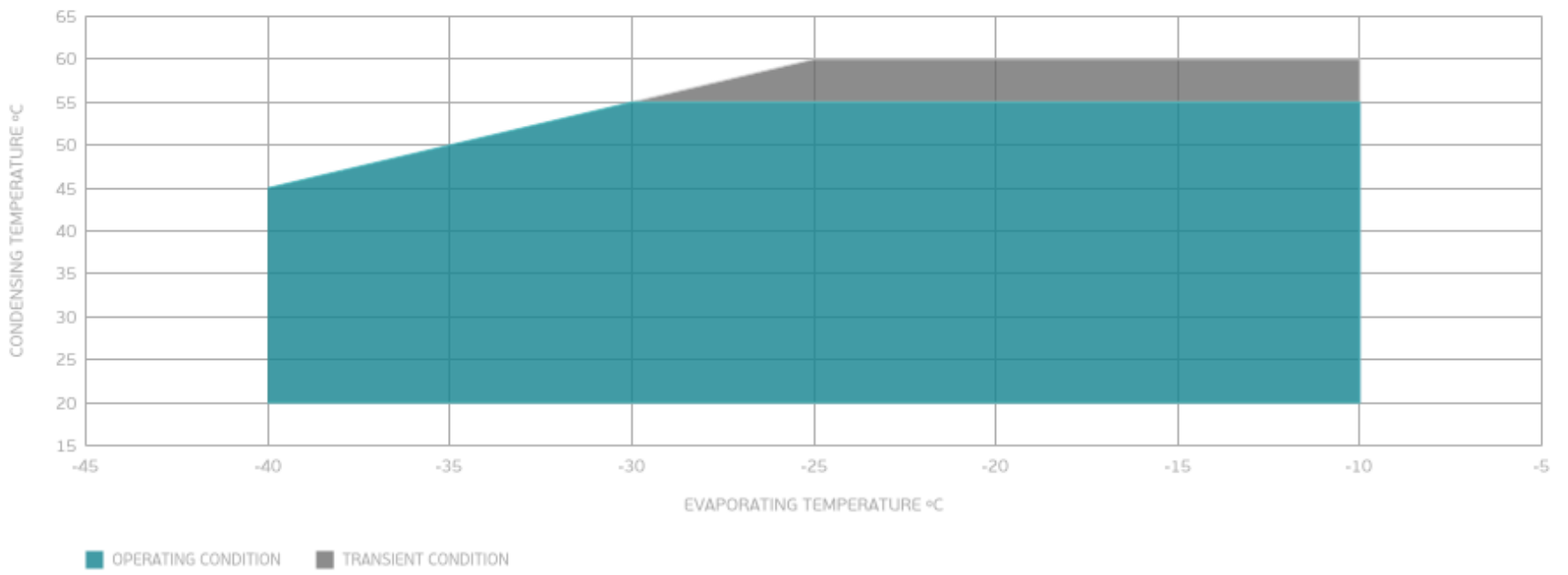
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	662	0.75	886	-	25.97
-25	901	0.85	1063	-	35.68
-20	1175	0.94	1252	-	47.07
-15	1479	1.02	1449	-	60.08
-10	1806	1.10	1644	-	74.65

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

ENVELOPE



EXTERNAL DIMENSIONS