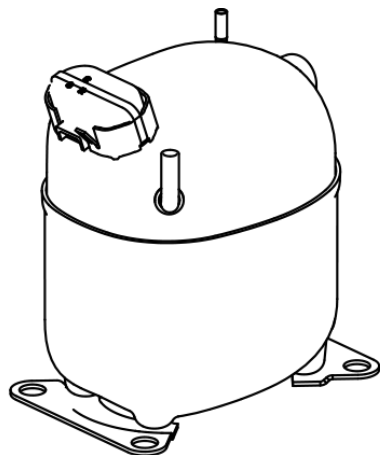


NJX2219GK



**ENGINEERING CODE**  
945FV21



**REFRIGERANT**  
R-404A



**POWER SUPPLY**  
230 V 50 Hz



**APPLICATION**  
LBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
1109 W



**EFFICIENCY**  
1.16 W/W



DATA

GENERAL DATA

Model	NJX2219GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/230
HP	2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	4.15 Ω at 25°C
Run Winding Resistance	1.44 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	38 A

## MECHANICAL DATA

Displacement	37.88 cm <sup>3</sup>
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	22.8 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	108-130 µf/330 V
Run Capacitor	25.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2AM3C-104
Overload Protection	USP-703-88 (internal)

## EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	12.81 mm	VERTICAL	COPPER
Discharge	8.04 mm	SLANTED J	COPPER
Process	6.45 mm	VERTICAL	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	230 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	1109	1.16	952	-	30.05

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	926	1.14	810	-	23.53
-35	1207	1.31	923	-	30.83
-30	1569	1.49	1052	-	40.22
-25	2013	1.69	1193	-	51.86
-20	2542	1.90	1338	-	65.90
-15	3159	2.13	1484	-	82.53
-10	3865	2.38	1625	-	101.89

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	767	0.90	849	-	22.08
-35	1003	1.03	971	-	29.05
-30	1306	1.17	1117	-	37.99
-25	1678	1.31	1281	-	49.09
-20	2121	1.45	1458	-	62.50
-15	2636	1.61	1642	-	78.38
-10	3227	1.76	1829	-	96.91

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	1020	0.90	1135	-	34.78
-25	1318	1.00	1318	-	45.30
-20	1673	1.10	1522	-	58.04
-15	2088	1.20	1740	-	73.16
-10	2563	1.30	1968	-	90.82

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

## ENVELOPE



## EXTERNAL DIMENSIONS

