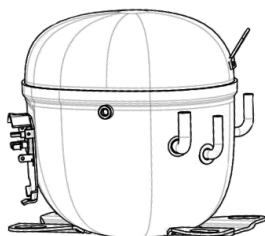


NT6224GK



**ENGINEERING CODE**  
922RA04

**REFRIGERANT**  
R-404A

**POWER SUPPLY**  
220-240 V 50 Hz

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
1581 W

**EFFICIENCY**  
1.7 W/W



DATA

GENERAL DATA

Model	NT6224GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	6.49 Ω at 25°C
Run Winding Resistance	1.69 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	29 A

## MECHANICAL DATA

Displacement	20.44 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.2 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	MRA38112-3261

## EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
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
45	-10	1581	1.7	927	-	47.45

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
-20	1217	1.67	729	-	31.50
-15	1541	1.96	786	-	40.31
-10	1920	2.25	853	-	50.64
-5	2353	2.56	920	-	62.67
0	2840	2.91	976	-	76.59
5	3380	3.35	1010	-	92.57
10	3975	3.93	1012	-	110.81

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
-20	991	1.24	801	-	29.21
-15	1262	1.48	854	-	37.54
-10	1581	1.70	927	-	47.45
-5	1947	1.93	1011	-	59.13
0	2360	2.16	1094	-	72.76
5	2821	2.42	1165	-	88.53
10	3328	2.74	1214	-	106.62

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
-10	1255	1.31	957	-	44.45
-5	1547	1.48	1044	-	55.61
0	1880	1.65	1141	-	68.78
5	2253	1.82	1236	-	84.17
10	2667	2.02	1319	-	101.94

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

## ENVELOPE



## EXTERNAL DIMENSIONS

