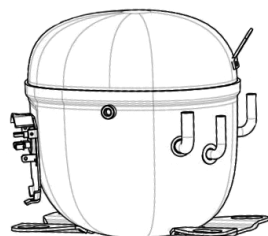


NT6222GK



**ENGINEERING CODE**  
922CA09

**REFRIGERANT**  
R-404A

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

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
1478 W

**EFFICIENCY**  
1.66 W/W



DATA

GENERAL DATA

Model	NT6222GK
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	9.0 Ω at 25°C
Run Winding Resistance	2.3 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	30 A

## MECHANICAL DATA

Displacement	17.39 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	T0624/G9

## EXTERNAL CHARACTERISTICS

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

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
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	-6.7	1478	1.66	891	4.75	40.31

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	1182	1.77	666	3.75	25.67
-15	1473	2.09	705	3.86	32.19
-10	1821	2.40	760	4.01	40.02
-5	2227	2.72	819	4.20	49.30
0	2694	3.09	871	4.42	60.16
5	3223	3.55	907	4.65	72.74
10	3817	4.17	916	4.89	87.18

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	1000	1.35	741	3.86	23.97
-15	1250	1.62	772	4.06	30.18
-10	1550	1.87	828	4.29	37.66
-5	1901	2.12	898	4.54	46.55
0	2304	2.37	972	4.81	56.98
5	2762	2.66	1038	5.08	69.10
10	3276	3.02	1087	5.34	83.05

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	1269	1.50	845	4.58	34.69
-5	1563	1.71	916	4.87	43.13
0	1902	1.90	1000	5.15	53.08
5	2288	2.11	1086	5.43	64.68
10	2723	2.34	1164	5.69	78.07

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

