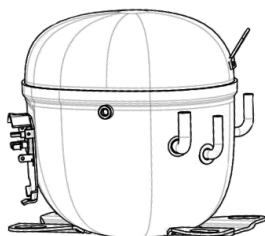


NT6224GK



ENGINEERING CODE
922RA04

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1776 W

EFFICIENCY
1.74 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 ³
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	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	1776	1.74	1022	5.08	48.45

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	1368	1.87	732	3.70	29.69
-15	1734	2.20	789	3.96	37.88
-10	2159	2.52	857	4.22	47.47
-5	2644	2.86	925	4.48	58.55
0	3189	3.25	982	4.73	71.22
5	3793	3.73	1017	4.98	85.59
10	4455	4.37	1019	5.23	101.74

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	1148	1.43	804	3.90	27.53
-15	1462	1.70	858	4.21	35.27
-10	1831	1.96	933	4.53	44.48
-5	2256	2.21	1019	4.84	55.24
0	2736	2.48	1103	5.16	67.66
5	3271	2.78	1176	5.48	81.85
10	3861	3.15	1226	5.80	97.89

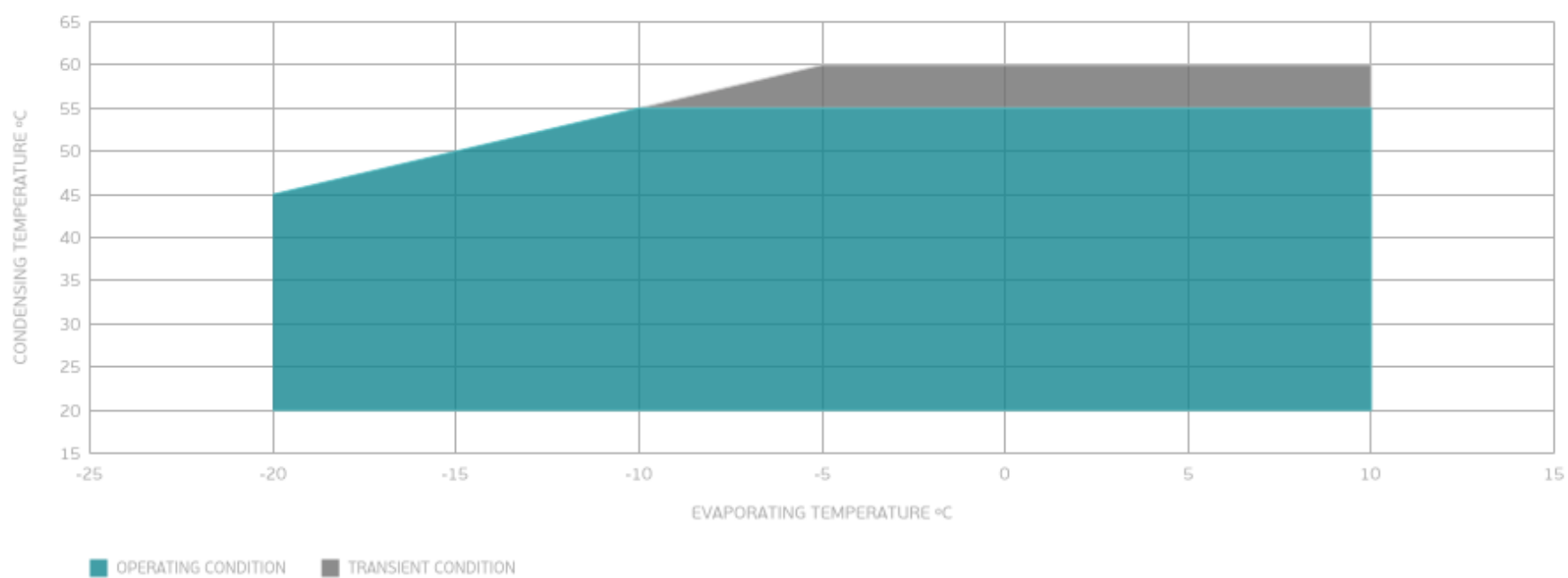
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1524	1.58	965	4.86	41.66
-5	1883	1.79	1054	5.24	51.95
0	2293	1.99	1153	5.63	63.97
5	2753	2.20	1251	6.02	77.82
10	3265	2.44	1337	6.43	93.59

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

