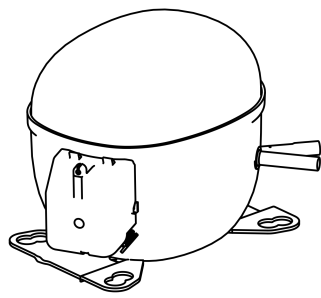


NT6224U



**ENGINEERING CODE**  
842CA09



**REFRIGERANT**  
R-290



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



**APPLICATION**  
MBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
1536 W



**EFFICIENCY**  
2.08 W/W



DATA

GENERAL DATA

Model	NT6224U
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	8.8 Ω at 25°C
Run Winding Resistance	2.3 Ω at 25°C

## MECHANICAL DATA

Displacement	22.37 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	17.2 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
Run Capacitor	20.0 µf/420 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3AN3C-575
Overload Protection	T0907/G6

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Max Refrigerant Charge	400 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	1536	2.08	739	-	18.89

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	1158	2.03	570	-	12.84
-15	1477	2.39	617	-	16.46
-10	1841	2.75	668	-	20.62
-5	2249	3.14	716	-	25.34
0	2699	3.58	754	-	30.64
5	3188	4.11	776	-	36.51
10	3716	4.79	775	-	42.98

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	950	1.52	624	-	11.56
-15	1220	1.80	676	-	14.92
-10	1536	2.08	739	-	18.89
-5	1896	2.35	805	-	23.48
0	2297	2.65	869	-	28.70
5	2740	2.97	922	-	34.57
10	3220	3.35	961	-	41.09

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

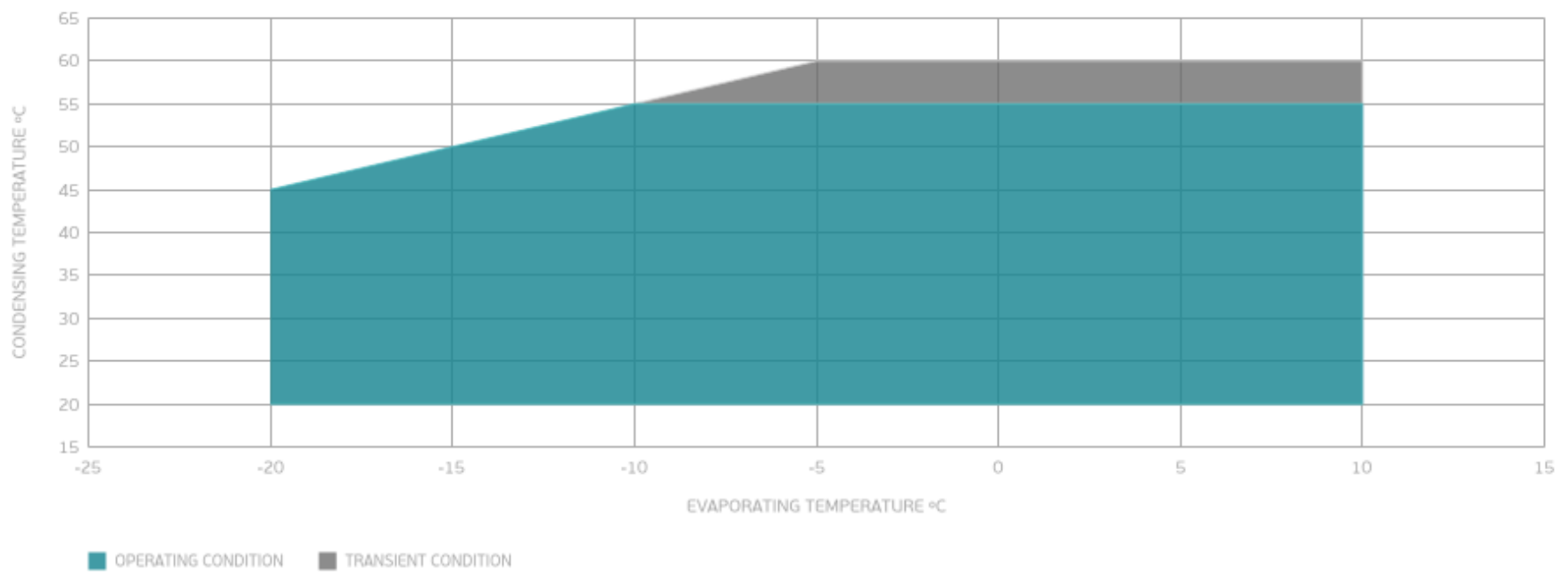
**PERFORMANCE CURVE**

**Condensing Temperature 55°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1269	1.64	773	-	17.44
-5	1574	1.85	850	-	21.79
0	1920	2.06	930	-	26.83
5	2307	2.29	1008	-	32.58
10	2732	2.54	1076	-	39.04

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

## ENVELOPE



## External

### EXTERNAL CHARACTERISTICS

Base Plate UNI

Tray Holder NO

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

### EXTERNAL DIMENSIONS

