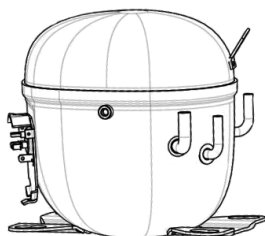


NT6224U



ENGINEERING CODE
842PA04

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
1528 W

EFFICIENCY
1.88 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
Locked Rotor Amperage (LRA) 50Hz	30 A

MECHANICAL DATA

Displacement	22.37 cm ³
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0907/G6

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-290
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
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	1528	1.88	814	3.75	18.79

Test Condition: Subcooling 0 K, Return Gas 20 °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	1184	1.86	637	2.94	13.11
-15	1471	2.13	692	3.21	16.40
-10	1807	2.40	754	3.48	20.24
-5	2193	2.69	814	3.73	24.72
0	2636	3.05	864	3.97	29.92
5	3138	3.50	896	4.20	35.93
10	3703	4.10	902	4.41	42.84

Test Condition: Subcooling 0 K, Return Gas 20 °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	989	1.44	688	3.14	12.04
-15	1236	1.66	743	3.44	15.13
-10	1528	1.88	814	3.75	18.79
-5	1867	2.09	893	4.07	23.13
0	2260	2.33	971	4.38	28.23
5	2709	2.60	1042	4.69	34.17
10	3218	2.94	1096	4.99	41.05

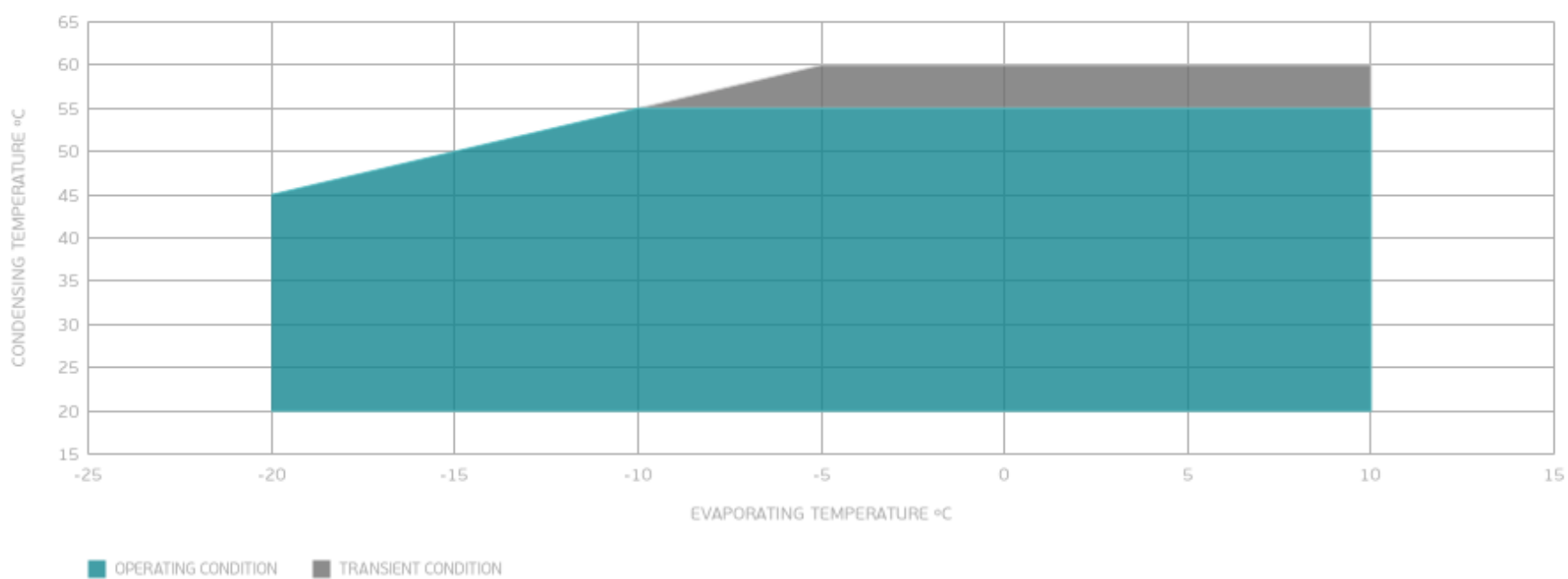
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1273	1.51	842	4.01	17.47
-5	1561	1.68	927	4.39	21.60
0	1898	1.86	1022	4.78	26.53
5	2289	2.05	1118	5.18	32.33
10	2737	2.27	1207	5.58	39.11

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

