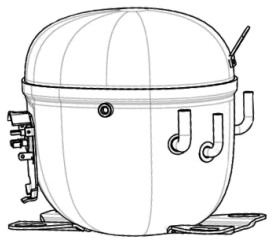
COMPRESSOR TECHNICAL DATA

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^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

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-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	1536	2.08	739	-	18.89

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	1163	2.05	568	-	12.88
-15	1485	2.41	616	-	16.55
-10	1848	2.77	667	-	20.70
-5	2252	3.15	715	-	25.38
0	2695	3.58	754	-	30.60
5	3178	4.10	776	-	36.39
10	3700	4.78	775	-	42.79

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

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	943	1.51	625	-	11.48
-15	1218	1.80	677	-	14.90
-10	1536	2.08	739	-	18.89
-5	1895	2.35	805	-	23.46
0	2294	2.64	868	-	28.66
5	2735	2.97	921	-	34.50
10	3215	3.36	958	-	41.02

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

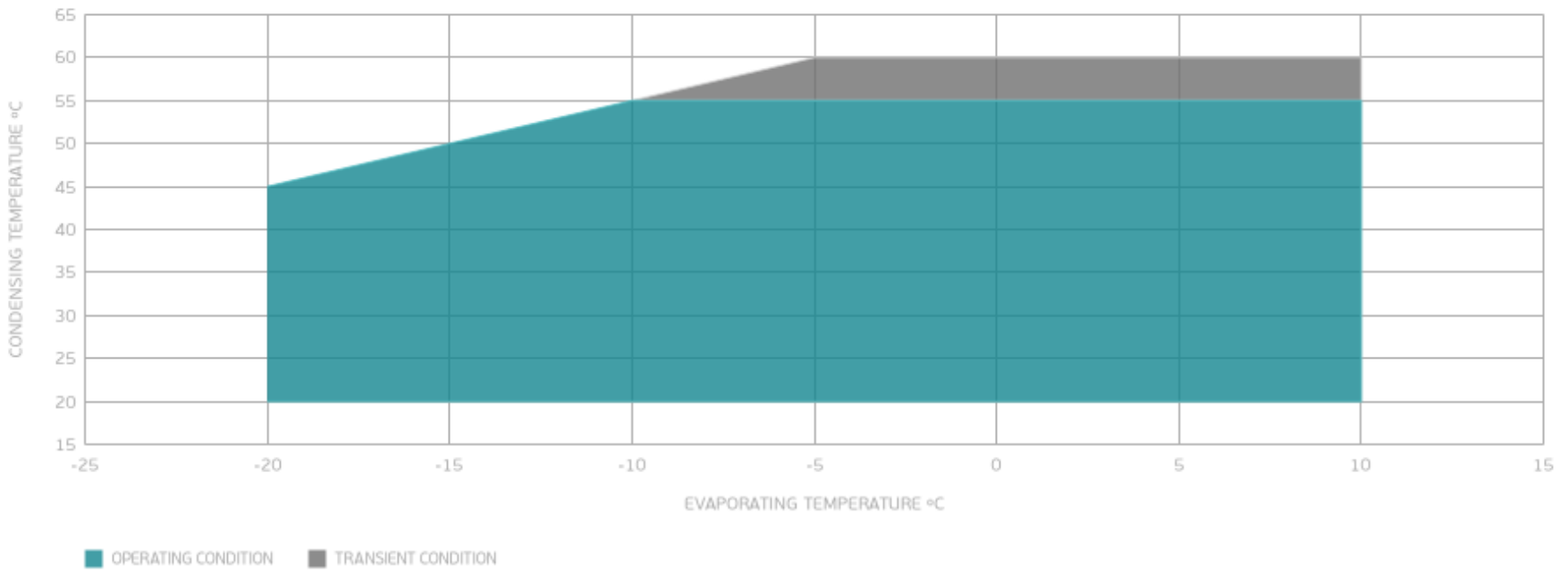
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1272	1.64	775	-	17.47
-5	1578	1.86	851	-	21.85
0	1926	2.07	930	-	26.91
5	2315	2.30	1005	-	32.70
10	2746	2.56	1071	-	39.24

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

ENVELOPE



EXTERNAL DIMENSIONS