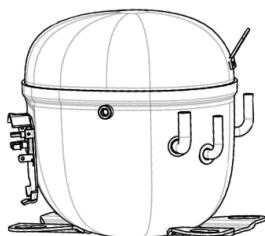


NT6220U



**ENGINEERING CODE**  
842DA04

**REFRIGERANT**  
R-290

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

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
1208 W

**EFFICIENCY**  
1.95 W/W



DATA

GENERAL DATA

Model	NT6220U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
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

## MECHANICAL DATA

Displacement	17.39 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0485/G9

## 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	1208	1.95	618	-	14.86

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	906	1.82	497	-	10.04
-15	1139	2.13	535	-	12.69
-10	1415	2.48	571	-	15.86
-5	1738	2.91	598	-	19.58
0	2107	3.45	611	-	23.92
5	2525	4.18	605	-	28.92
10	2993	5.21	574	-	34.62

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	771	1.46	529	-	9.39
-15	969	1.69	572	-	11.86
-10	1208	1.95	618	-	14.86
-5	1488	2.25	662	-	18.43
0	1811	2.60	698	-	22.63
5	2180	3.03	720	-	27.50
10	2594	3.58	724	-	33.08

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

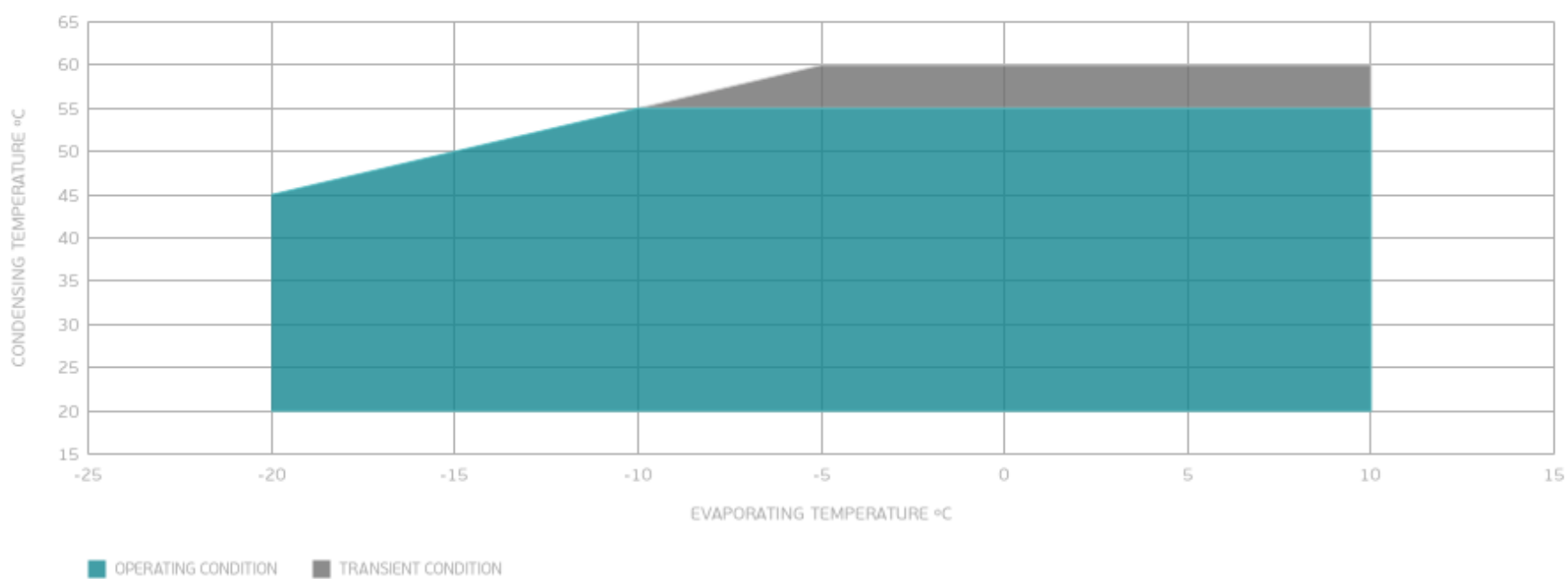
## PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1010	1.56	649	-	13.87
-5	1245	1.77	702	-	17.24
0	1520	2.02	752	-	21.24
5	1836	2.31	796	-	25.93
10	2194	2.65	827	-	31.36

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

## ENVELOPE



## EXTERNAL DIMENSIONS

