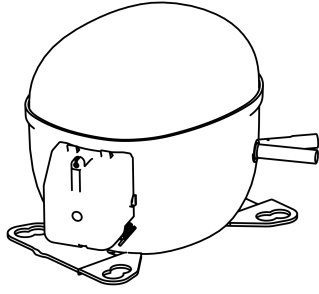


NT6220U



**ENGINEERING CODE**  
842DA04



**REFRIGERANT**  
R-290



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



**APPLICATION**  
MBP



**MOTOR TYPE**  
CSIR



**STANDARD**  
ASHRAE



**COOLING CAPACITY**  
1286 W



**EFFICIENCY**  
1.72 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	AB
Oil Viscosity	ISO32
Weight	17 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0019-65*
Overload Protection	T0558/G6

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	ASHRAE
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
54.4	-6.7	1286	1.72	748	5.39	14.71

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	992	1.81	547	4.84	9.55
-15	1234	2.11	586	4.93	11.94
-10	1520	2.43	625	5.01	14.76
-5	1853	2.81	658	5.08	18.07
0	2237	3.29	680	5.15	21.94
5	2676	3.91	684	5.21	26.42
10	3174	4.78	664	5.27	31.57

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	839	1.42	591	4.87	8.73
-15	1061	1.68	632	5.00	11.09
-10	1320	1.94	682	5.12	13.85
-5	1620	2.21	732	5.24	17.08
0	1964	2.53	777	5.34	20.84
5	2356	2.90	811	5.44	25.18
10	2801	3.38	827	5.53	30.16

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

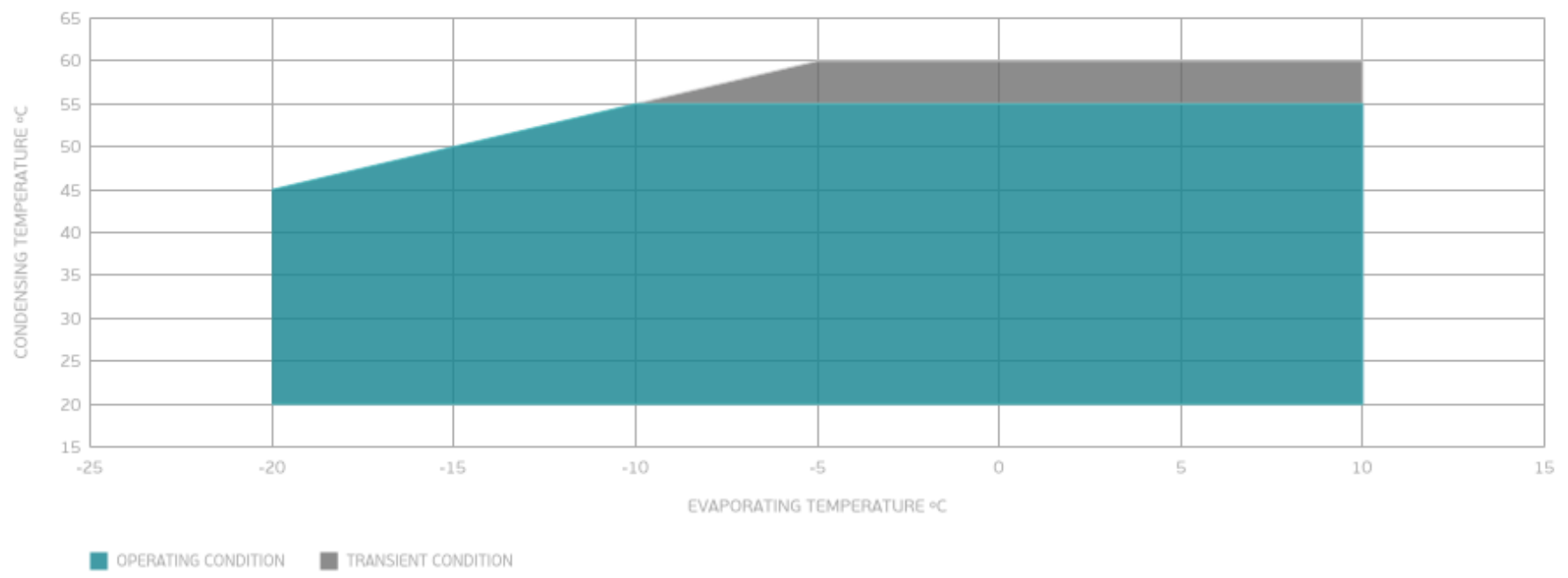
**PERFORMANCE CURVE**

**Condensing Temperature 55°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1098	1.55	710	5.30	12.59
-5	1366	1.77	770	5.46	15.75
0	1672	2.01	832	5.62	19.40
5	2020	2.27	889	5.76	23.62
10	2413	2.58	935	5.90	28.45

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

### EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

### EXTERNAL DIMENSIONS

