

NEU6214U



**ENGINEERING CODE**  
862GA51

**REFRIGERANT**  
R-290

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

**APPLICATION**  
MBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
1021 W

**EFFICIENCY**  
2.06 W/W



DATA

GENERAL DATA

Model	NEU6214U
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	27.95 Ω at 25°C
Run Winding Resistance	5.11 Ω at 25°C

## MECHANICAL DATA

Displacement	12.11 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.2 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0874/G9

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
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	1021	2.06	495	2.61	11.68

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	757	2.19	346	2.00	7.29
-15	935	2.51	372	2.10	9.04
-10	1145	2.85	402	2.20	11.11
-5	1388	3.23	430	2.29	13.54
0	1664	3.67	453	2.38	16.32
5	1974	4.23	467	2.47	19.49
10	2318	4.96	467	2.56	23.05

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	673	1.75	384	2.10	7.00
-15	834	2.03	411	2.23	8.71
-10	1023	2.30	445	2.35	10.73
-5	1241	2.57	483	2.48	13.09
0	1488	2.86	519	2.60	15.78
5	1764	3.20	551	2.73	18.85
10	2070	3.61	573	2.85	22.30

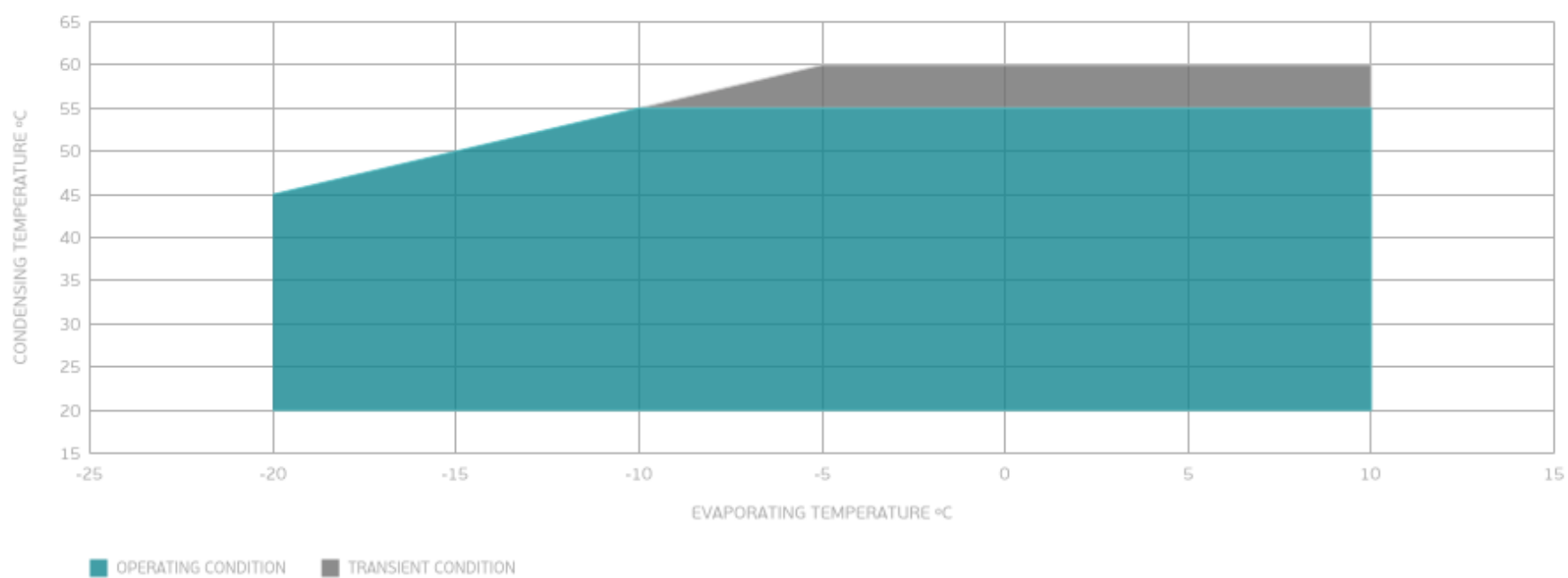
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	887	1.89	469	2.52	10.17
-5	1080	2.12	510	2.68	12.45
0	1299	2.34	556	2.84	15.07
5	1542	2.57	600	3.01	18.03
10	1811	2.83	640	3.18	21.36

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 DIMENSIONS

