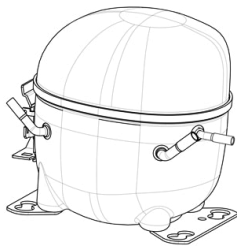


NEU6214U



ENGINEERING CODE
862GA51



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
926 W



EFFICIENCY
2.09 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 ³
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	EN12900
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
45	-10	926	2.09	444	-	11.4
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	709	2.04	347	-	7.86
-15	874	2.34	373	-	9.74
-10	1064	2.65	402	-	11.92
-5	1284	2.99	430	-	14.46
0	1532	3.38	453	-	17.39
5	1813	3.89	466	-	20.76
10	2126	4.56	466	-	24.60
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

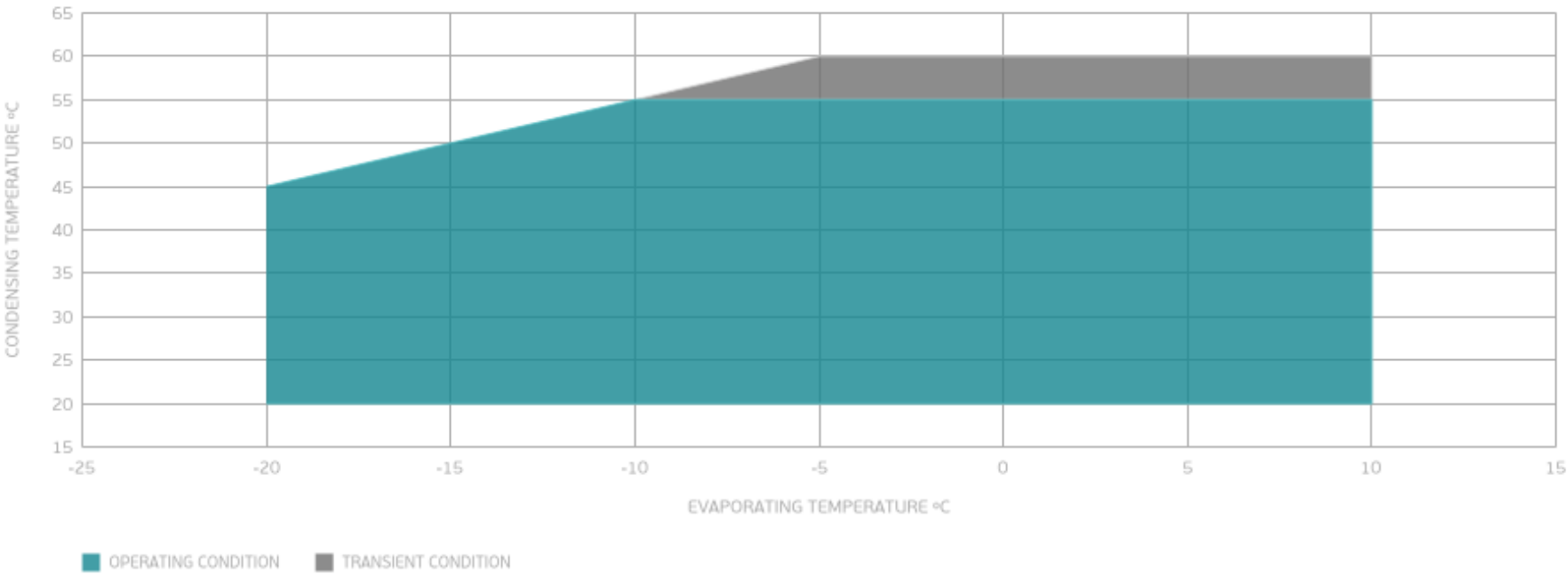
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	611	1.59	385	-	7.44
-15	757	1.84	411	-	9.26
-10	926	2.09	444	-	11.40
-5	1121	2.33	481	-	13.88
0	1342	2.59	517	-	16.76
5	1591	2.90	548	-	20.07
10	1871	3.28	570	-	23.86
Test Condition: Subcooling 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	787	1.69	467	-	10.80
-5	955	1.88	507	-	13.22
0	1148	2.08	552	-	16.04
5	1365	2.30	595	-	19.29
10	1610	2.54	633	-	23.01
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

