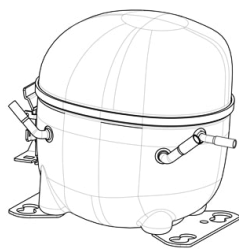


NEU6214U



ENGINEERING CODE
863LG71



REFRIGERANT
R-290



POWER SUPPLY
115 V 60 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
CECOMAF



COOLING CAPACITY
981 W



EFFICIENCY
1.65 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/115
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.45 Ω at 25°C
Run Winding Resistance	0.92 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	42 A

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	243-292 μf/165 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0736/J5

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	CECOMAF
Tested Cooling	Fan
Tested Voltage	115 V
Tested Frequency	60 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
55	-10	981	1.65	596	-	12.48
Test Condition: Subcooling 0 K, Return Gas 32 °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	862	1.98	435	-	8.98
-15	1060	2.25	472	-	11.10
-10	1289	2.51	513	-	13.56
-5	1549	2.79	555	-	16.37
0	1842	3.11	592	-	19.58
5	2166	3.50	619	-	23.20
10	2525	3.99	632	-	27.27
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

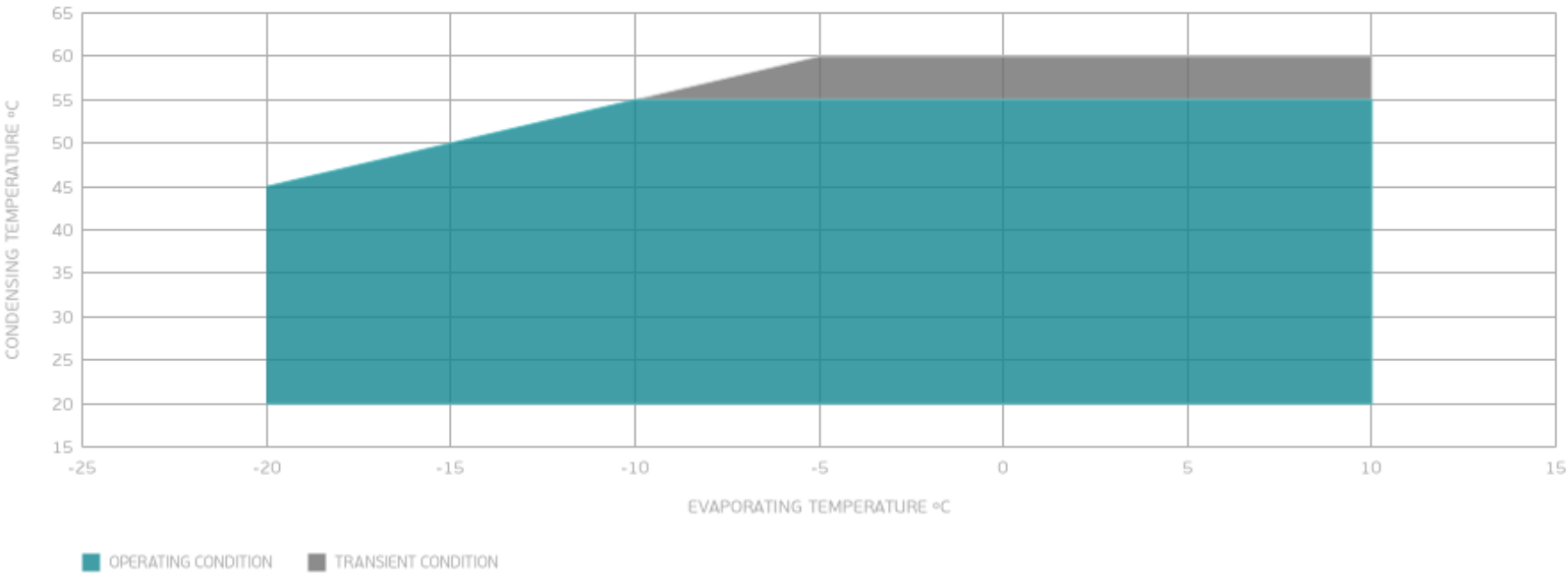
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	753	1.57	481	-	8.57
-15	932	1.79	520	-	10.65
-10	1138	2.00	569	-	13.06
-5	1371	2.20	623	-	15.84
0	1634	2.41	677	-	19.00
5	1926	2.65	726	-	22.57
10	2248	2.93	767	-	26.58
Test Condition: Subcooling 0 K, Return Gas 32 °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	981	1.65	596	-	12.48
-5	1188	1.81	656	-	15.20
0	1419	1.97	721	-	18.30
5	1677	2.13	786	-	21.82
10	1962	2.31	848	-	25.77
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

