

NEU6212U



ENGINEERING CODE
862HA51

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
774 W

EFFICIENCY
1.91 W/W



DATA

GENERAL DATA

Model	NEU6212U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.92 Ω at 25°C
Run Winding Resistance	4.53 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	20.5 A
Rated Load Amperage (LMBP) at 50 Hz	3.4 A

MECHANICAL DATA

Displacement	9.99 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	No
Starting Device Type	RELAY
Overload Protection	4TM758PFB

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	774	1.91	405	-	9.53

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	595	1.82	326	-	6.58
-15	734	2.12	347	-	8.18
-10	893	2.43	368	-	10.01
-5	1076	2.79	386	-	12.12
0	1284	3.23	398	-	14.58
5	1523	3.81	400	-	17.43
10	1793	4.61	389	-	20.75

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	504	1.41	357	-	6.13
-15	630	1.66	379	-	7.71
-10	774	1.91	405	-	9.53
-5	939	2.17	433	-	11.64
0	1128	2.47	457	-	14.09
5	1344	2.83	476	-	16.96
10	1590	3.28	485	-	20.28

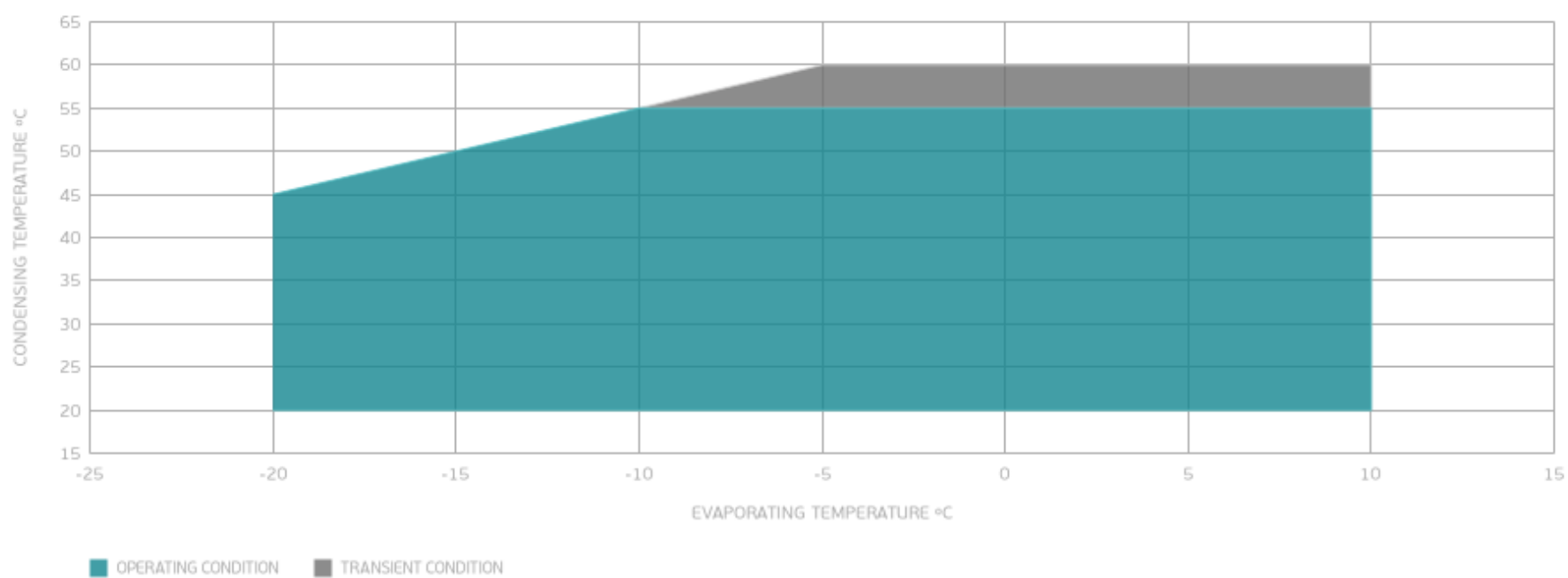
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	657	1.54	428	-	9.02
-5	803	1.74	460	-	11.12
0	971	1.97	494	-	13.57
5	1163	2.22	525	-	16.43
10	1383	2.51	550	-	19.76

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

ENVELOPE



EXTERNAL DIMENSIONS

