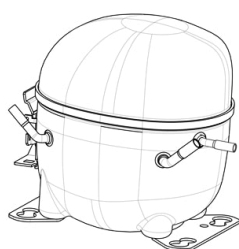


NEU6220U



ENGINEERING CODE
863MA51

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1419 W

EFFICIENCY
2.02 W/W



DATA

GENERAL DATA

Model	NEU6220U
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	11.03 Ω at 25°C
Run Winding Resistance	5.15 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	22 A

MECHANICAL DATA

Displacement	16.8 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0964/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	1419	2.02	704	3.33	16.23

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	1065	2.18	489	2.29	10.25
-15	1308	2.48	528	2.47	12.64
-10	1591	2.78	573	2.64	15.44
-5	1915	3.11	617	2.82	18.68
0	2282	3.49	654	3.00	22.38
5	2691	3.96	680	3.17	26.56
10	3144	4.58	687	3.34	31.27

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	946	1.74	543	2.47	9.84
-15	1164	2.00	583	2.68	12.16
-10	1419	2.24	634	2.90	14.89
-5	1711	2.48	690	3.12	18.04
0	2041	2.73	747	3.33	21.66
5	2410	3.03	797	3.54	25.75
10	2819	3.38	834	3.74	30.36

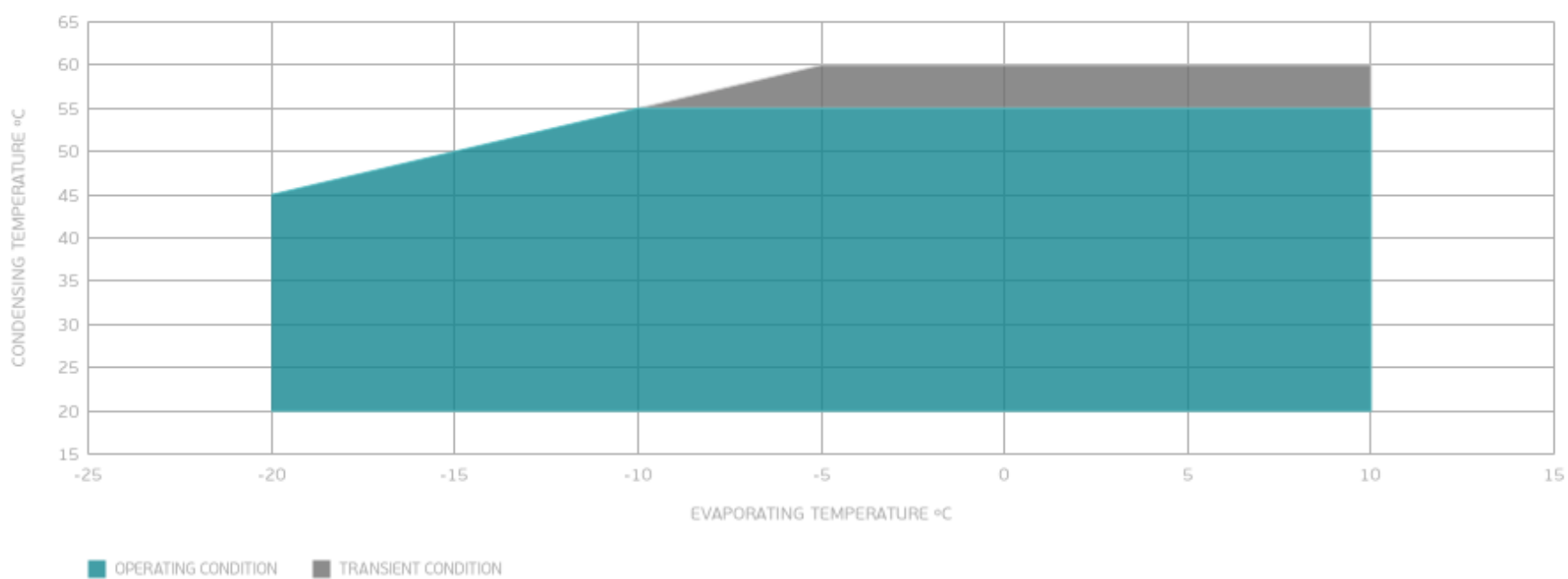
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1240	1.86	665	3.17	14.21
-5	1499	2.06	727	3.44	17.28
0	1792	2.26	794	3.71	20.79
5	2120	2.46	862	3.97	24.79
10	2484	2.69	922	4.22	29.29

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

