

NEU6217U



ENGINEERING CODE
863JE71



REFRIGERANT
R-290



POWER SUPPLY
115-127 V 60 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
ASHRAE



COOLING CAPACITY
1425 W



EFFICIENCY
1.86 W/W



DATA

GENERAL DATA

Model	NEU6217U
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	3.81 Ω at 25°C
Run Winding Resistance	0.96 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	45 A
Rated Load Amperage (LMBP) at 60 Hz	9.3 A

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	189-227 μf/250 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0873/C9

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	ASHRAE
Tested Cooling	Fan
Tested Voltage	115 V
Tested Frequency	60 Hz
Refrigerant Temperature	Dew

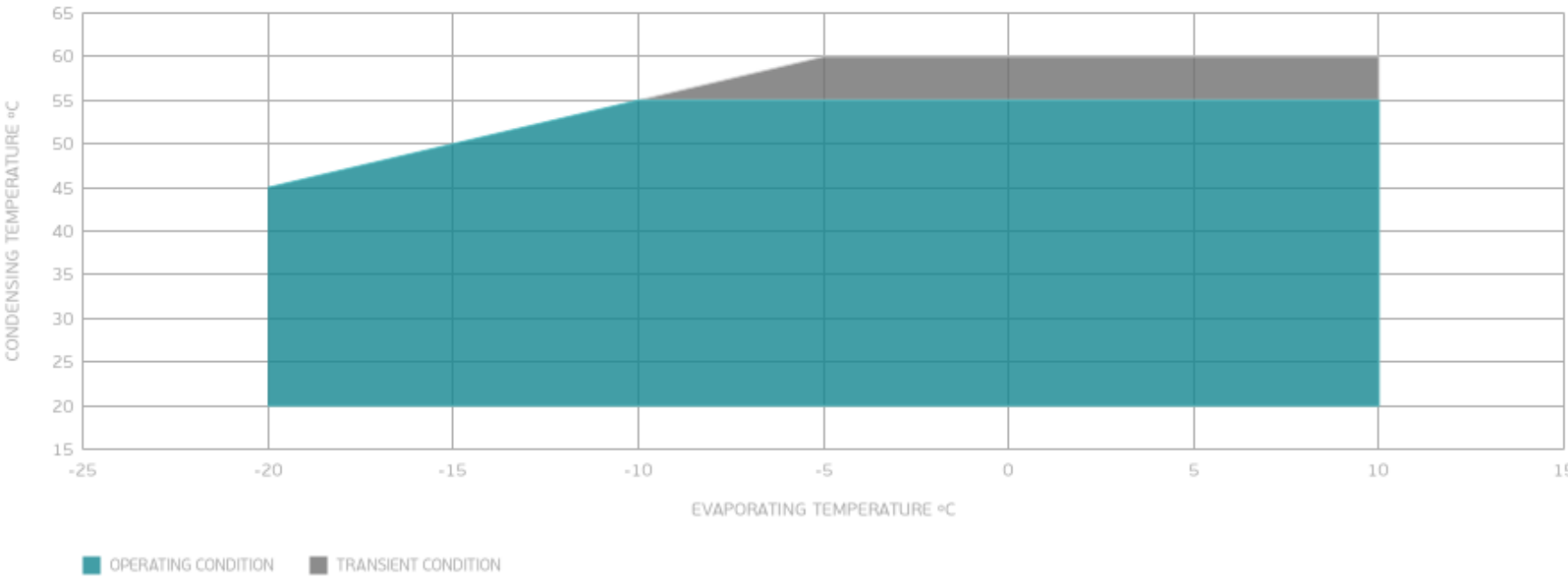
RATED POINTS						
Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
54.4	-6.7	1425	1.86	768	8.21	16.29
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation 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	1077	2.11	511	6.28	10.37
-15	1321	2.36	559	6.62	12.78
-10	1604	2.61	614	6.97	15.57
-5	1928	2.88	670	7.35	18.80
0	2293	3.18	722	7.75	22.49
5	2702	3.55	762	8.17	26.67
10	3157	4.02	785	8.61	31.39
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	950	1.66	573	6.53	9.88
-15	1172	1.88	622	6.98	12.25
-10	1429	2.09	685	7.45	15.00
-5	1722	2.28	755	7.94	18.16
0	2052	2.48	827	8.44	21.78
5	2422	2.71	894	8.96	25.88
10	2832	2.98	949	9.50	30.51
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	1242	1.73	719	7.87	14.24
-5	1505	1.89	796	8.42	17.34
0	1800	2.05	880	8.99	20.89
5	2130	2.21	964	9.58	24.91
10	2496	2.39	1044	10.17	29.44
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

