

NEU6217U



ENGINEERING CODE
863JA51



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
1029 W



EFFICIENCY
1.82 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/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	21 A
Rated Load Amperage (LMBP) at 50 Hz	3.8 A

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0071-65*
Overload Protection	MST20APK-3259

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

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	1029	1.82	566	3.29	12.67

Test Condition: Subcooling 0 K, Return Gas 20 °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	786	1.84	427	2.74	8.71
-15	968	2.09	464	2.88	10.79
-10	1186	2.36	503	3.01	13.28
-5	1438	2.67	539	3.15	16.20
0	1724	3.04	568	3.28	19.57
5	2044	3.50	584	3.42	23.41
10	2398	4.10	584	3.56	27.74

Test Condition: Subcooling 0 K, Return Gas 20 °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	685	1.44	476	2.95	8.34
-15	842	1.63	518	3.12	10.30
-10	1029	1.82	566	3.29	12.67
-5	1248	2.02	617	3.44	15.46
0	1496	2.25	665	3.59	18.69
5	1774	2.51	707	3.74	22.38
10	2083	2.82	738	3.88	26.56

Test Condition: Subcooling 0 K, Return Gas 20 °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	869	1.43	606	3.53	11.94
-5	1053	1.58	666	3.78	14.57
0	1263	1.73	729	4.01	17.64
5	1499	1.90	791	4.23	21.17
10	1761	2.08	846	4.44	25.17

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

