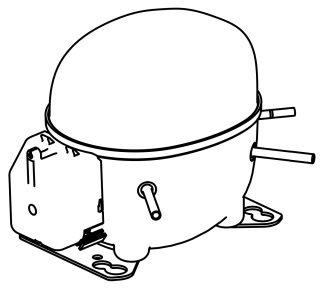
COMPRESSOR TECHNICAL DATA

NEU6217U



ENGINEERING CODE
863SA51

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1197 W

EFFICIENCY
2.09 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	14.95 Ω at 25°C
Run Winding Resistance	5.35 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	21 A

MECHANICAL DATA

Displacement	14.28 cm^3
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	10.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	12.5 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3AN3C-575
Overload Protection	MRA38173-3261

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
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	1197	2.09	573	2.72	13.69

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	894	2.25	397	1.90	8.61
-15	1105	2.58	428	2.02	10.69
-10	1349	2.92	462	2.13	13.10
-5	1627	3.29	495	2.25	15.87
0	1940	3.71	523	2.37	19.02
5	2289	4.22	542	2.50	22.59
10	2675	4.88	548	2.62	26.60

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

PERFORMANCE CURVE — Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	787	1.79	439	1.98	8.19
-15	976	2.07	472	2.17	10.19
-10	1195	2.33	513	2.36	12.54
-5	1447	2.59	557	2.55	15.26
0	1730	2.87	602	2.73	18.36
5	2048	3.19	643	2.91	21.89
10	2400	3.55	675	3.09	25.85

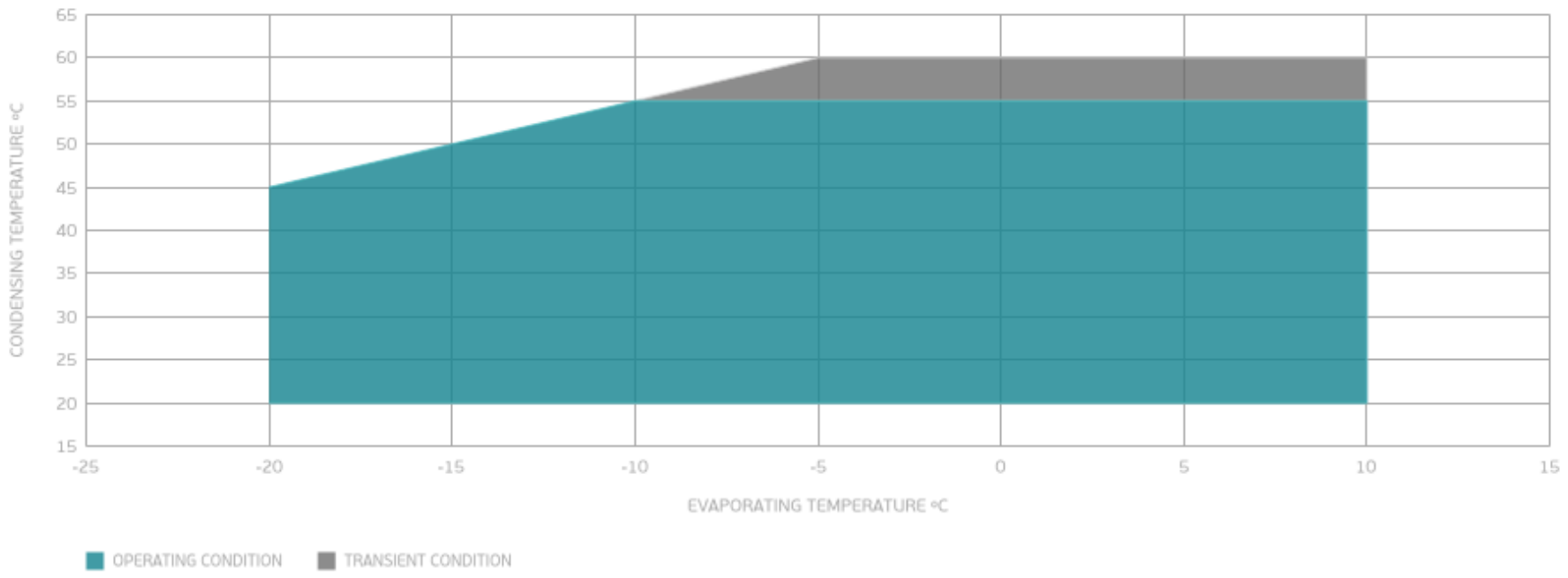
Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE — Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1043	1.93	541	2.59	11.95
-5	1266	2.14	592	2.80	14.59
0	1519	2.34	648	2.99	17.62
5	1803	2.56	705	3.18	21.08
10	2119	2.80	758	3.37	24.99

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

ENVELOPE



External

EXTERNAL CHARACTERISTICS

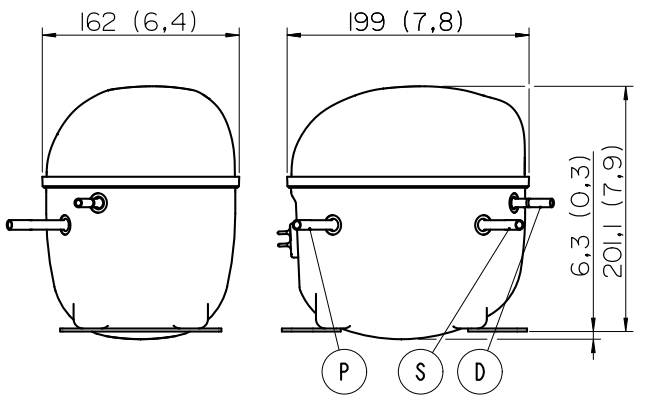
Base Plate	SMALL
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER

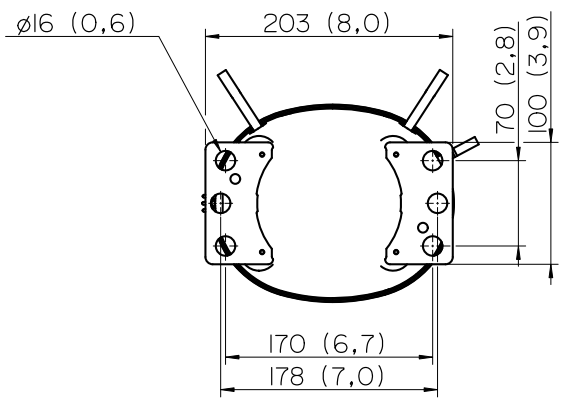
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE