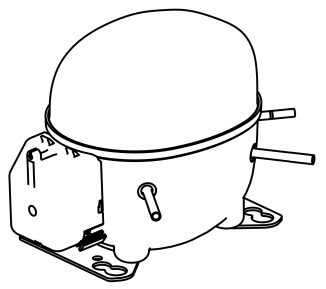
COMPRESSOR TECHNICAL DATA

NEU6210U



ENGINEERING CODE
862PA51

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
718 W

EFFICIENCY
1.83 W/W

DATA

GENERAL DATA

Model	NEU6210U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	14.1 Ω at 25°C
Run Winding Resistance	5.97 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	18 A

MECHANICAL DATA

Displacement	8.77 cm^3
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	10.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0030*
Overload Protection	MST26ALK-3259

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	718	1.83	392	3.18	8.22

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	541	1.85	293	2.99	5.21
-15	675	2.17	311	3.03	6.52
-10	830	2.52	329	3.06	8.06
-5	1010	2.92	345	3.08	9.85
0	1215	3.42	355	3.11	11.91
5	1447	4.06	356	3.13	14.28
10	1708	4.96	344	3.14	16.99

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	463	1.46	317	2.99	4.82
-15	582	1.73	336	3.04	6.09
-10	722	2.01	359	3.09	7.58
-5	885	2.31	383	3.14	9.33
0	1071	2.65	405	3.18	11.37
5	1284	3.05	421	3.22	13.72
10	1524	3.57	427	3.26	16.42

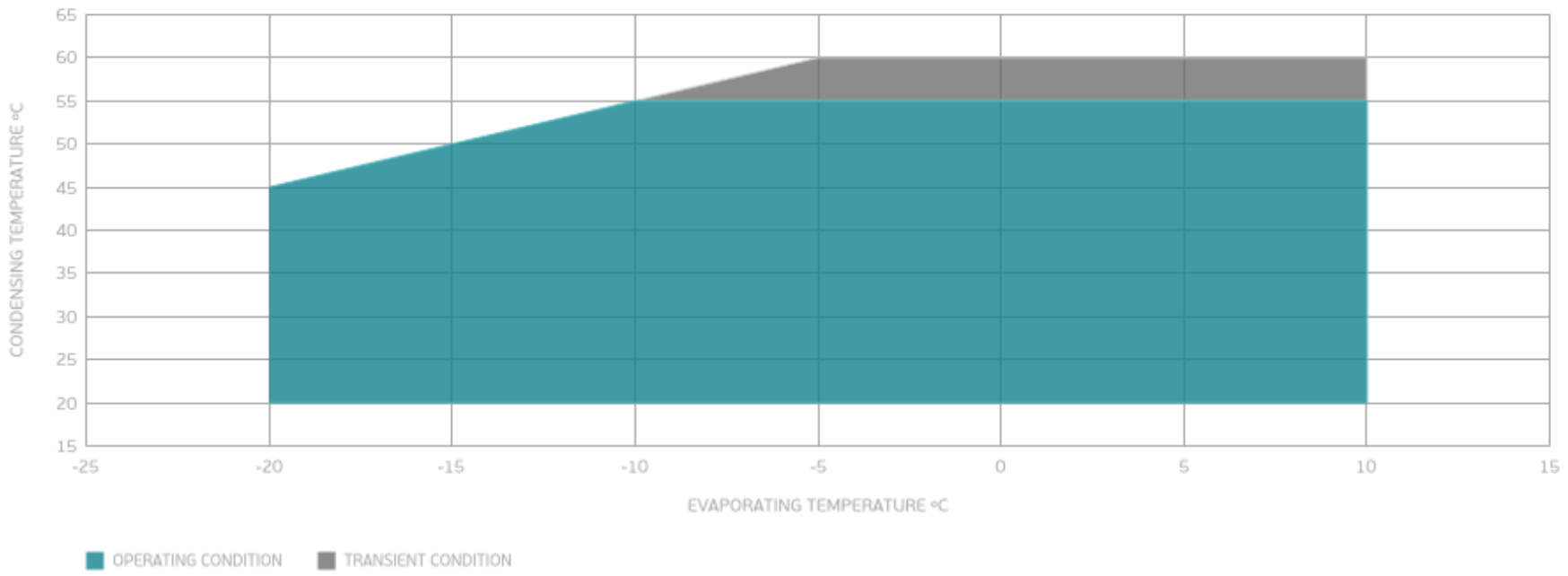
Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	619	1.66	374	3.15	7.10
-5	763	1.89	403	3.21	8.79
0	929	2.15	432	3.27	10.78
5	1120	2.44	459	3.33	13.10
10	1338	2.79	480	3.38	15.77

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

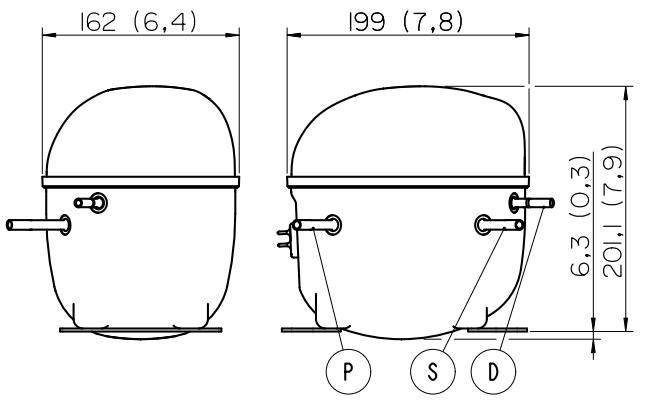
Base Plate	SMALL
Tray Holder	NO

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

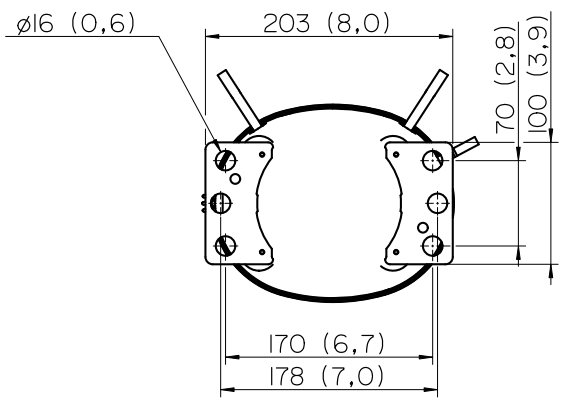
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE