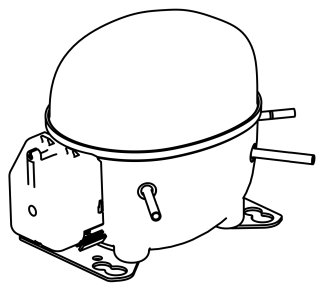
COMPRESSOR TECHNICAL DATA

NEU6212U



ENGINEERING CODE
862HA51

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
850 W

EFFICIENCY
2.02 W/W

DATA

GENERAL DATA

Model	NEU6212U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.92 Ω at 25°C
Run Winding Resistance	4.53 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	20.5 A
Rated Load Amperage (LMBP) at 50 Hz	2.8 A

MECHANICAL DATA

Displacement	9.99 cm^3
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	11.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
Run Capacitor	5.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA6M3C-114
Overload Protection	T0916/G9

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	850	2.02	422	2.72	9.73

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	638	2.06	309	2.39	6.14
-15	792	2.41	329	2.44	7.66
-10	969	2.77	350	2.48	9.41
-5	1171	3.18	368	2.51	11.42
0	1398	3.68	380	2.55	13.71
5	1654	4.32	383	2.58	16.32
10	1939	5.21	372	2.61	19.28

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	551	1.64	336	2.41	5.74
-15	690	1.93	358	2.49	7.21
-10	850	2.22	384	2.56	8.92
-5	1034	2.52	410	2.63	10.91
0	1243	2.86	435	2.69	13.19
5	1478	3.27	453	2.75	15.80
10	1742	3.78	461	2.80	18.76

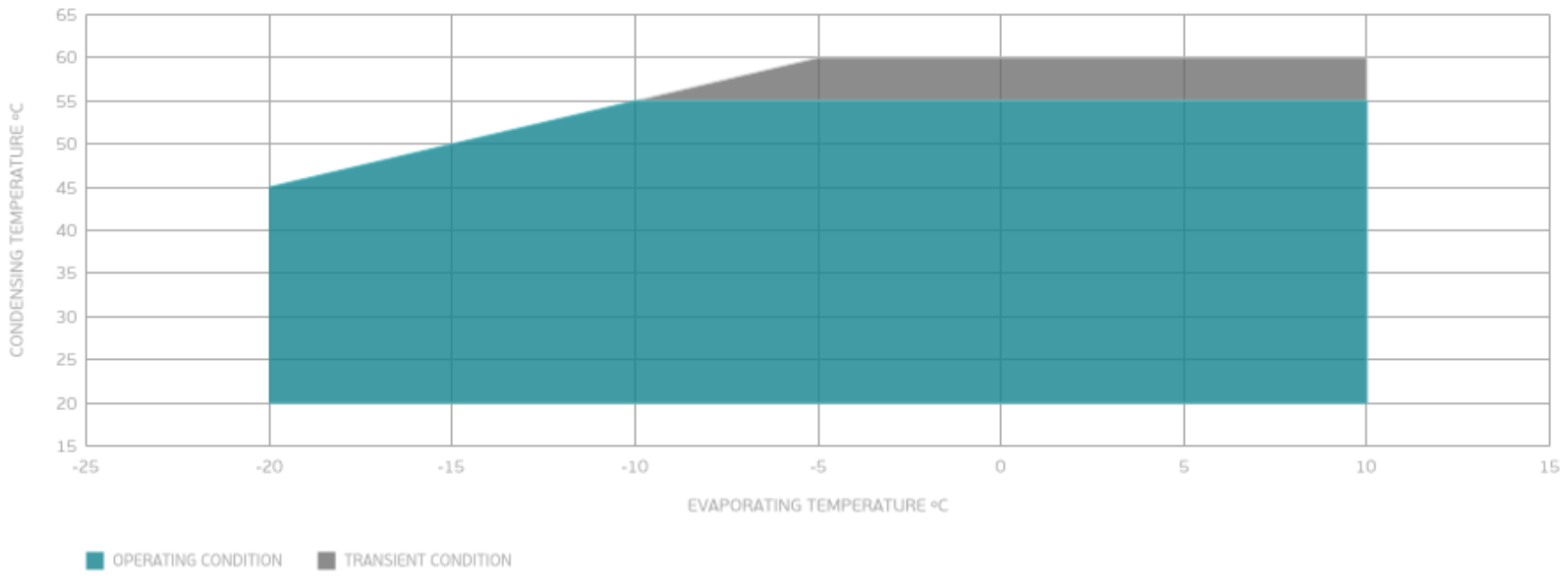
Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	737	1.83	402	2.67	8.45
-5	901	2.08	433	2.75	10.39
0	1089	2.34	466	2.83	12.64
5	1302	2.63	495	2.90	15.23
10	1543	2.97	519	2.96	18.19

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

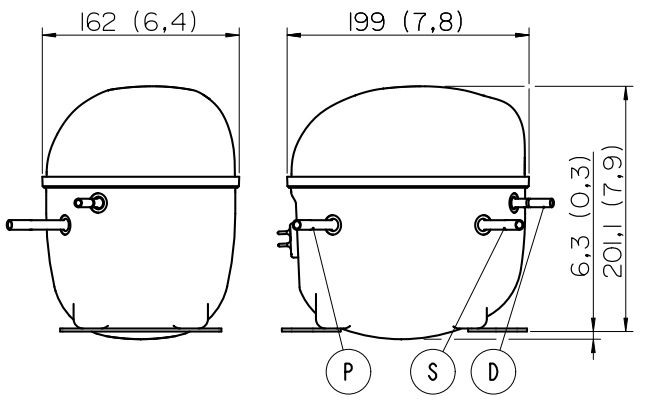
Base Plate	SMALL
Tray Holder	NO

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

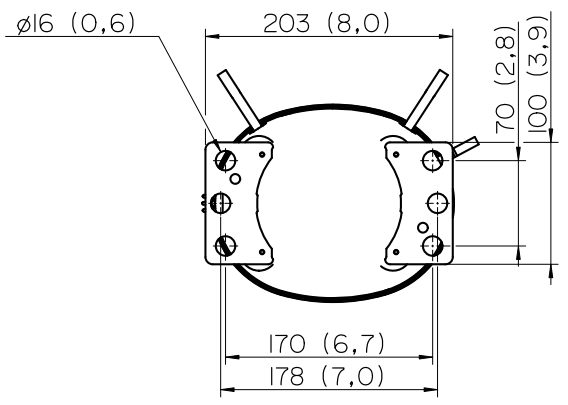
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE