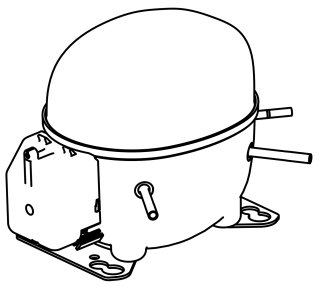
COMPRESSOR TECHNICAL DATA

NEU6210Z



ENGINEERING CODE
268HA51

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1243 W

EFFICIENCY
2.54 W/W

DATA

GENERAL DATA

Model	NEU6210Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.64 Ω at 25°C
Run Winding Resistance	5.04 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	18.5 A
Rated Load Amperage (HBP) at 50 Hz	2.6 A

MECHANICAL DATA

Displacement	12.11 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
Run Capacitor	5.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4L3C-566
Overload Protection	T0874/G9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
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	7.2	1243	2.54	489	2.53	27.5

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
-15	599	2.24	267	1.85	11.06
-10	758	2.56	296	1.93	14.04
-5	948	2.87	330	2.02	17.61
0	1171	3.22	364	2.12	21.85
5	1430	3.64	393	2.24	26.83
10	1728	4.18	414	2.38	32.65

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 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	528	1.80	293	1.91	10.53
-10	672	2.10	321	1.99	13.45
-5	844	2.35	359	2.09	16.96
0	1047	2.61	402	2.20	21.13
5	1282	2.88	445	2.34	26.04
10	1554	3.20	485	2.49	31.77

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

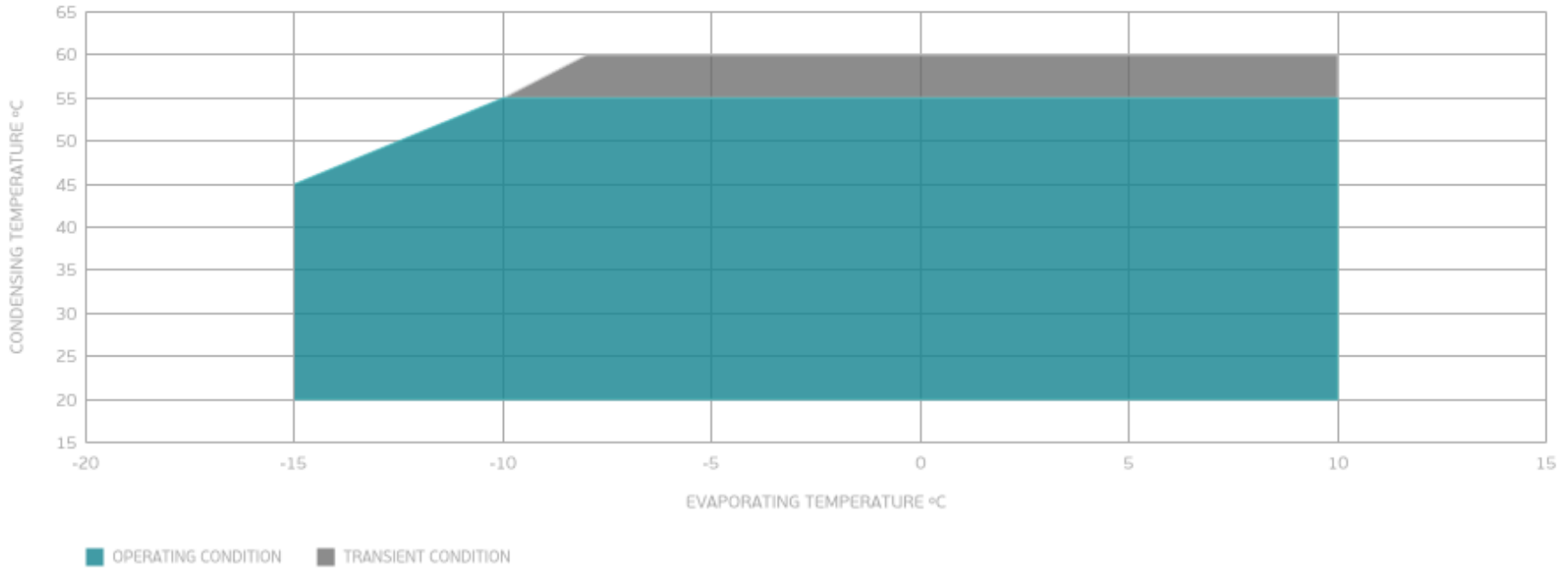
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	583	1.75	333	2.07	12.71
-5	737	2.00	368	2.19	16.14
0	918	2.22	414	2.32	20.23
5	1130	2.42	466	2.47	25.06
10	1374	2.65	519	2.64	30.70

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

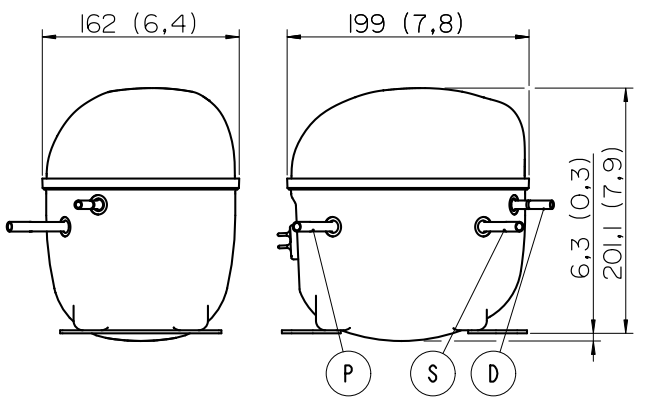
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

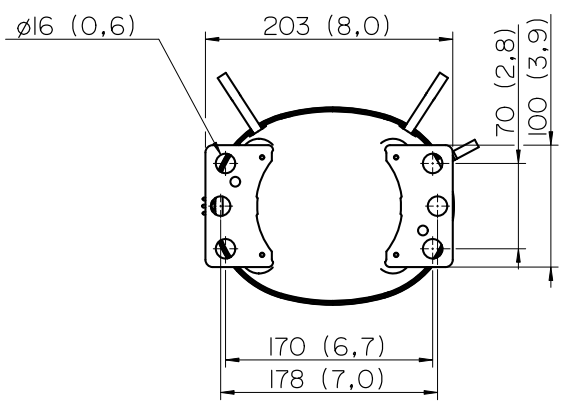
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE