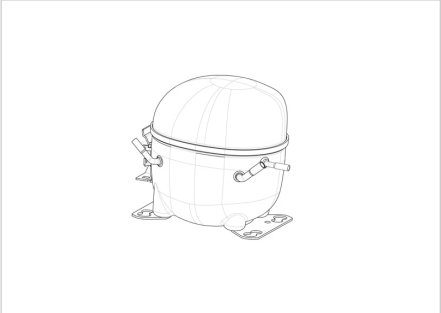
MODEL
NEU6212Z



APPROVALS

ENGINEERING CODE
268GA51

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
HBP

COOLING CAPACITY
1430 W (HBP)

EFFICIENCY
2.31 W/W (HBP)

MOTOR TYPE
CSIR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	14.28 cm³
Compressor Cooling	Fan/NotControled/220
Fan Air Flow	520 m³/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/2 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	27.92 Ω at 25° C
Run Winding Resistance	4.53 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	350 g
Oil Charge	350 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	11.14 Kg
Free Internal Volume	2.1 L

Electrical Components

	Description
Start Capacitor	53-64 Uf / 330 V
Motor Protection	T0964/G6
Starting Device	Relay | MTRP-0012*

External Characteristics

Base Plate	European
Tray Holder	No
Height	200 mm

Connector	Internal Diameter	Shape
Suction	8.1 mm	Slanted 42?/Copper
Discharge	6.1 mm	Straight/Copper
Process	6.1 mm	Slanted 42?/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	7.20°C	1430 W	619 W	3.77 A	31.66 kg/h	2.31 W/W

Test Condition: ASHRAEHBP46, Fan/NotControled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C , Liquid 46.1°C, Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	678	344	3.1	12.51	1.97
-10	863	378	3.15	15.98	2.28
-5	1083	414	3.23	20.13	2.62
0	1341	452	3.33	25.04	2.97
5	1639	492	3.47	30.77	3.33
10	1980	535	3.64	37.40	3.7

Test Condition: ASHRAEHBP46, Fan/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	601	368	3.14	11.99	1.64
-10	770	409	3.21	15.40	1.88
-5	970	453	3.3	19.49	2.14
0	1205	499	3.43	24.31	2.42
5	1475	547	3.58	29.95	2.7
10	1784	597	3.76	36.47	2.99

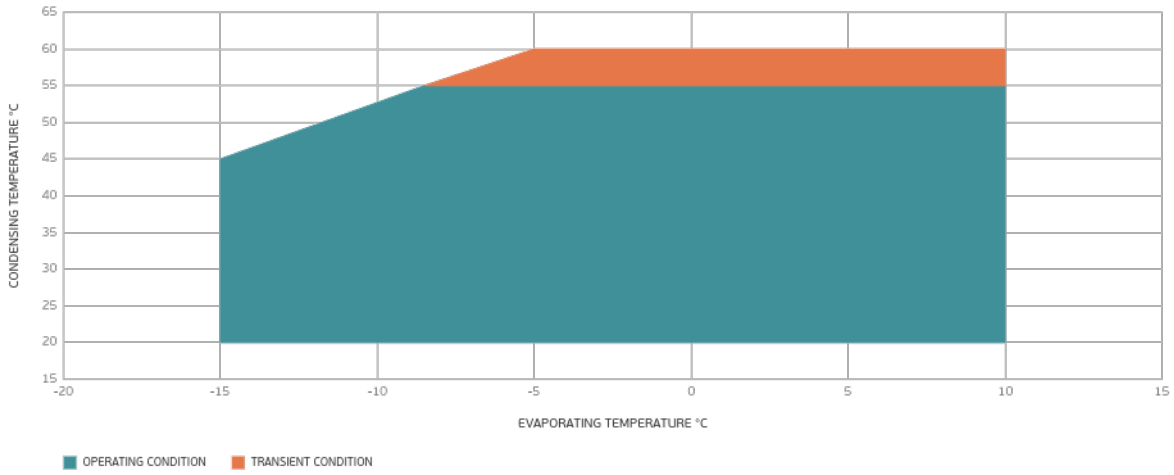
Test Condition: ASHRAEHBP46, Fan/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

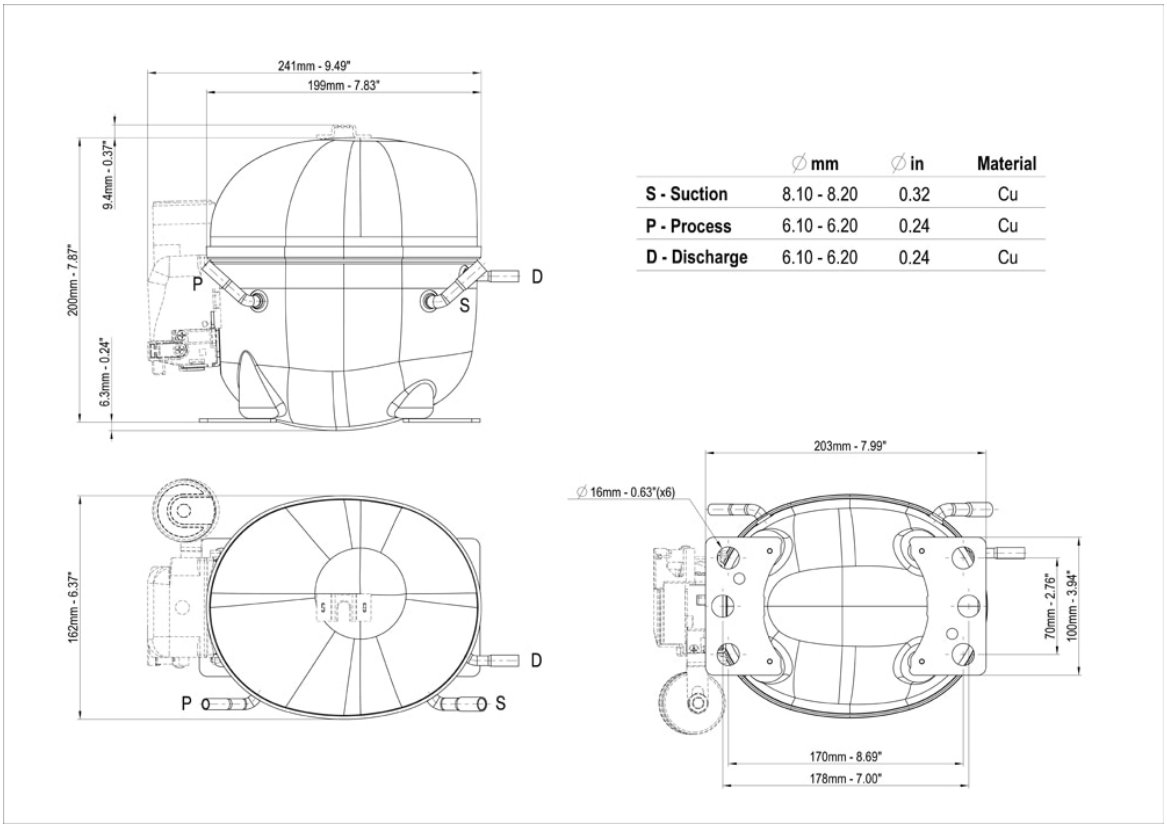
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-10	670	440	3.28	14.61	1.52
-5	850	490	3.39	18.62	1.74
0	1060	542	3.53	23.36	1.96
5	1303	596	3.7	28.90	2.18
10	1580	653	3.9	35.31	2.42

Test Condition: ASHRAEHBP46, Fan/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope

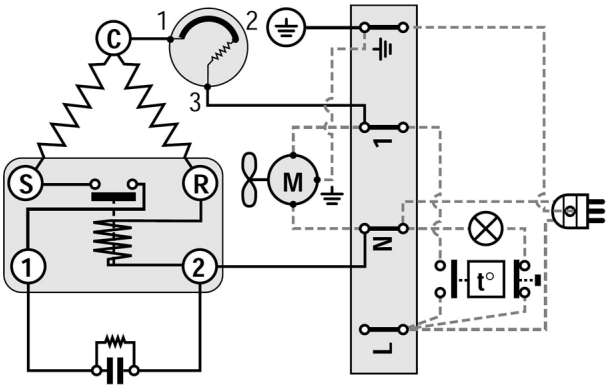


External Dimensions



	∅ mm	∅ in	Material
S - Suction	8.10 - 8.20	0.32	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	6.10 - 6.20	0.24	Cu

Wiring Diagram



Assembly Instructions