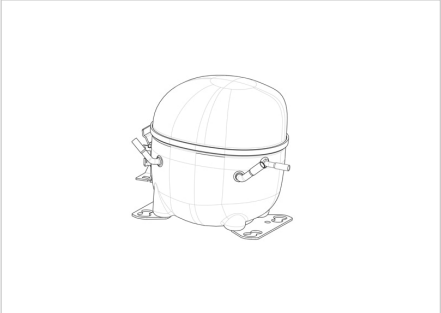
MODEL
NE2130Z



ENGINEERING CODE
262DQ50

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
100 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
313 W (LBP)

EFFICIENCY
1.57 W/W (LBP)

MOTOR TYPE
CSIR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.11 cm³
Compressor Cooling	Fan/NotControled/100
Fan Air Flow	520 m³/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/3 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	100 V 50 Hz / 100 V 60 Hz
Evaporating Temperature Range	-30 °C to -5 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	8.89 Ω at 25° C
Run Winding Resistance	1.01 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	10.95 Kg
Free Internal Volume	2.1 L

Electrical Components

	Description
Start Capacitor	189-227 Uf / 165 V
Starting Device	Relay | MTRP-64*
Motor Protection	MST20AGN-3261

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	-23.30°C	313 W	199 W	5.08 A	6.07 kg/h	1.57 W/W

Test Condition: ASHRAELBP32, Fan/NotControled/100, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. 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
-30	242	162	4.85	4.69	1.49
-25	316	183	4.97	6.12	1.72
-20	404	205	5.11	7.86	1.97
-15	510	227	5.28	9.95	2.25
-10	636	250	5.49	12.44	2.54
-5	784	274	5.74	15.39	2.86

Test Condition: ASHRAELBP32, Fan/NotControled/100, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. 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
-30	229	161	4.87	4.44	1.42
-25	303	186	5	5.88	1.64
-20	392	211	5.16	7.62	1.86
-15	497	238	5.36	9.69	2.09
-10	622	267	5.61	12.16	2.33
-5	768	297	5.92	15.07	2.58

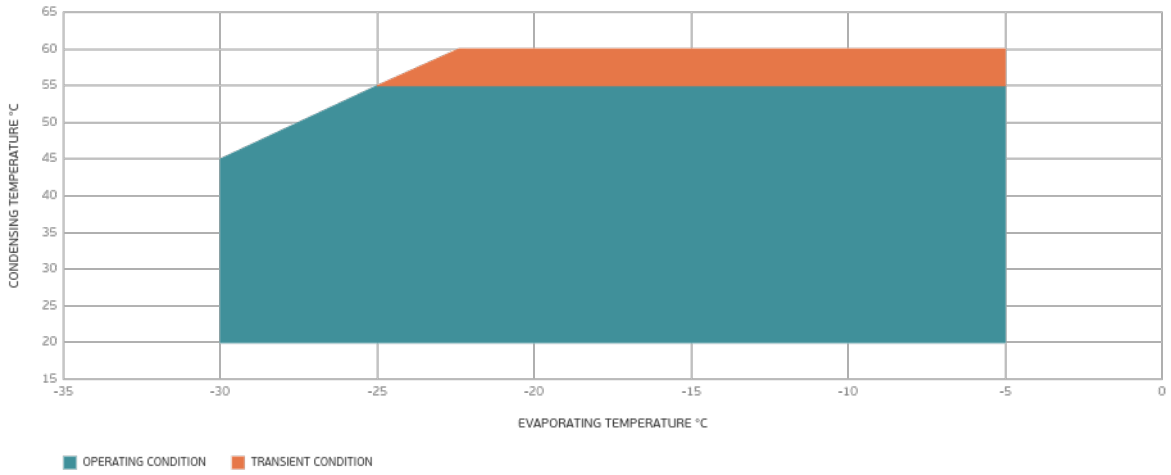
Test Condition: ASHRAELBP32, Fan/NotControled/100, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

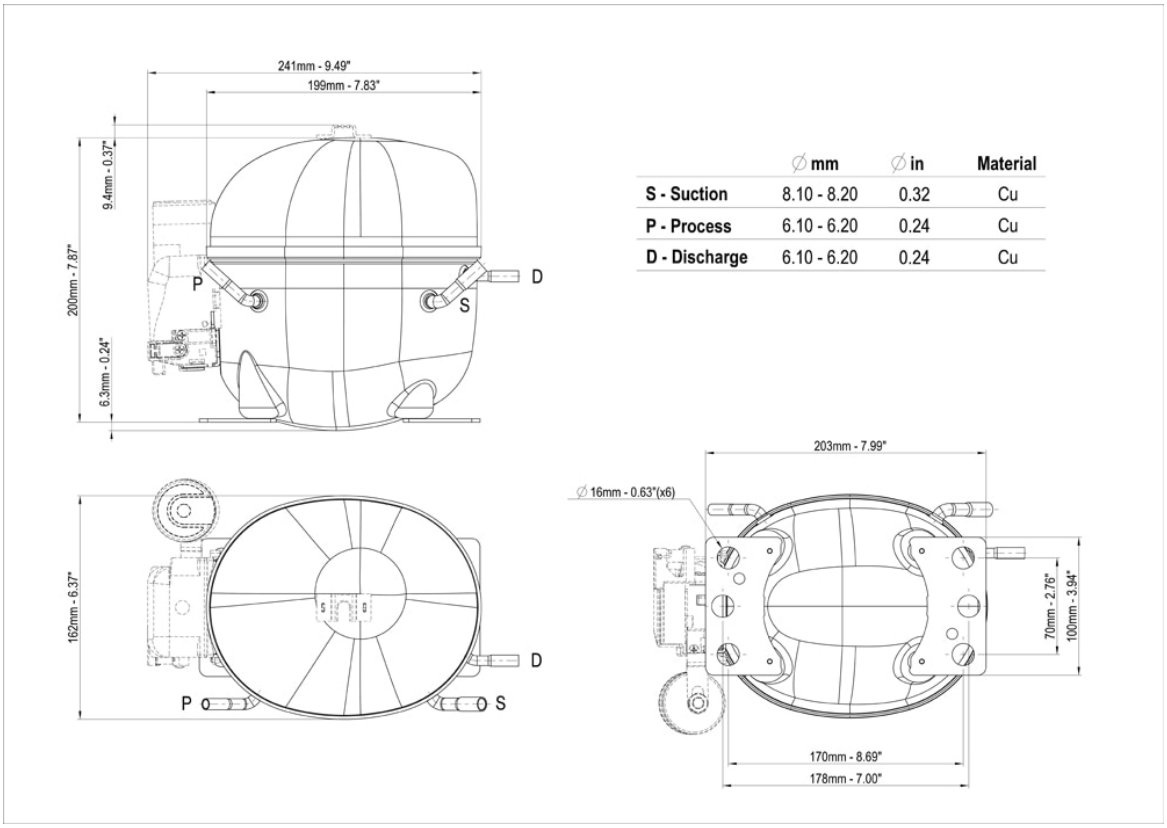
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	284	189	5.03	5.51	1.5
-20	373	217	5.21	7.25	1.72
-15	479	248	5.44	9.32	1.93
-10	602	280	5.74	11.78	2.15
-5	746	316	6.11	14.66	2.36

Test Condition: ASHRAELBP32, Fan/NotControled/100, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope

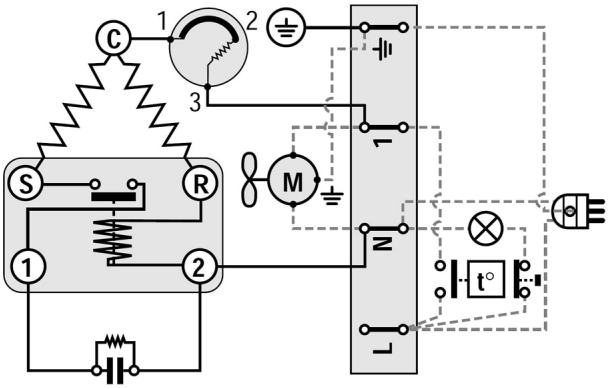


External Dimensions



	∅ 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