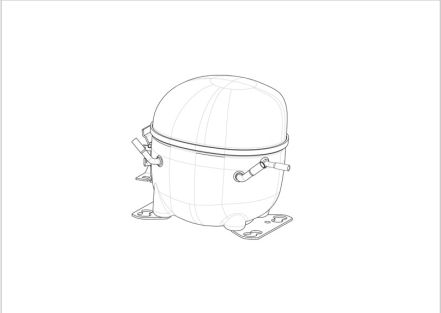
MODEL
NEU2140GK



APPROVALS

ENGINEERING CODE
958JA51

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
274 W (LBP)

EFFICIENCY
1.15 W/W (LBP)

MOTOR TYPE
CSIR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	8.77 cm^3
Compressor Cooling	Fan/NotControled/220
Fan Air Flow	520 m^3/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/2 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-40 °C to -10 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	24.26 Ω at 25° C
Run Winding Resistance	7.79 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	10.6 Kg
Free Internal Volume	2.1 L

Electrical Components

	Description
Starting Device	Relay | MTRPH-0025-65*
Start Capacitor	64-77 Uf / 330 V
Motor Protection	MST38AMK-3259 PROTECTOR DRB210J52A

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	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	273 W	237 W	7.33 kg/h	1.15 W/W

Test Condition: EN12900LBP, Fan/NotControled/220, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C , Liquid 40°C, Subcooling 0K. Data are an indication of performance based simulation.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-40	219	205	5.56	1.07
-35	291	238	7.43	1.22
-30	381	271	9.76	1.41
-25	488	304	12.58	1.61
-20	614	337	15.92	1.82
-15	758	369	19.82	2.06
-10	922	401	24.30	2.3

Test Condition: EN12900LBP, Fan/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	239	244	6.91	0.98
-30	315	283	9.17	1.12
-25	407	324	11.91	1.26
-20	514	366	15.15	1.4
-15	637	410	18.92	1.55
-10	775	455	23.27	1.7

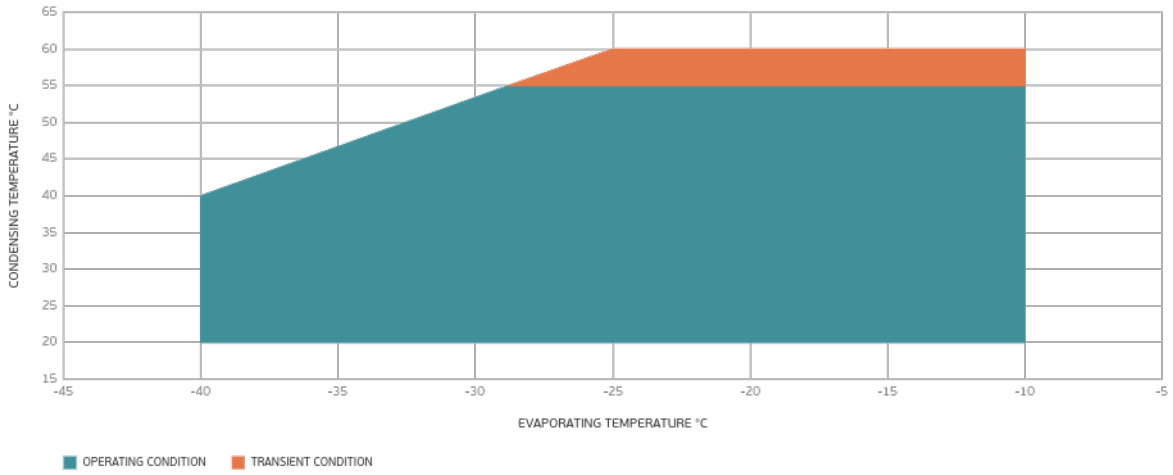
Test Condition: EN12900LBP, Fan/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

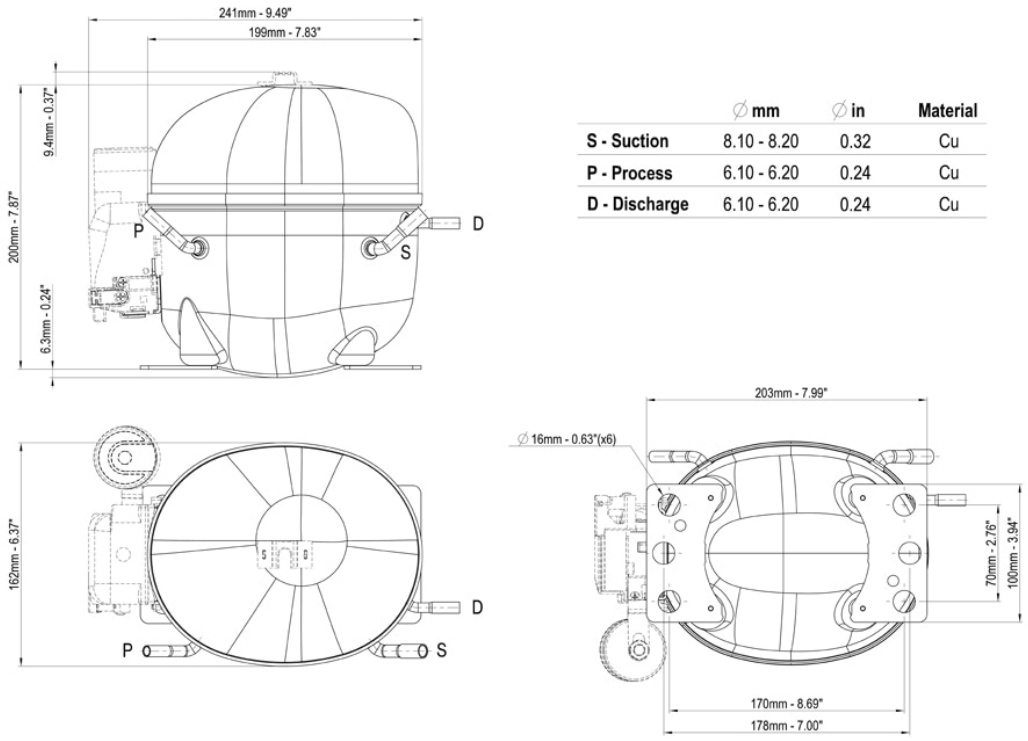
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-30	246	292	8.38	0.84
-25	321	339	11.03	0.95
-20	408	389	14.16	1.05
-15	508	443	17.81	1.15
-10	621	500	22.01	1.24

Test Condition: EN12900LBP, Fan/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Operating Envelope

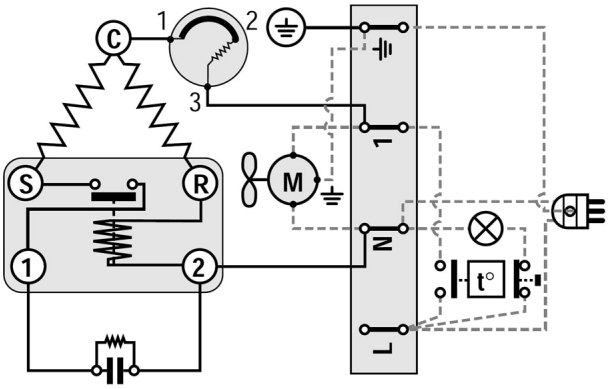


External Dimensions



	∅ 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