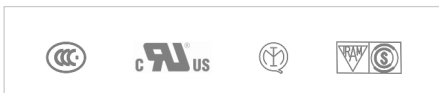




APPROVALS



ENGINEERING CODE
922EN04

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
230 V 60 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
555 W (LBP)

EFFICIENCY
1.11 W/W (LBP)

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	17.39 cm ³
Compressor Cooling	Fan/NotControlled/230
Fan Air Flow	520 m ³ /h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	200-240 V 50 Hz / 230 V 60 Hz
Evaporating Temperature Range	-40 °C to -10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	8.8 Ω at 25° C
Run Winding Resistance	2.3 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	800 g
Oil Charge	450 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	17 Kg
Free Internal Volume	3.3 L

Electrical Components

	Description
Run Capacitor	15
Start Capacitor	88-108 Uf / 330 V
CSR / CSIR Box	YES
Starting Device	RVA3N3C-122
Motor Protection	MRA38168-3261

External Characteristics

Base Plate	Universal	
Tray Holder	No	
Height	220 mm	
Connector	Internal Diameter	Shape
Suction	9.6 mm	Vertical/Copper
Discharge	6.42 mm	Vertical/Copper
Process	6.42 mm	Vertical/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	555 W	499 W	14.88 kg/h	1.11 W/W

Test Condition: EN12900LBP, Fan/NotControlled/230, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C, Liquid 40°C, Subcooling OK. 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	438	428	11.13	1.02
-35	606	501	15.48	1.21
-30	810	572	20.78	1.42
-25	1052	641	27.09	1.64
-20	1330	708	34.47	1.88
-15	1646	772	42.99	2.13
-10	2000	833	52.71	2.4

Test Condition: EN12900LBP, Fan/NotControlled/230, Return Gas 20°C, Ambient 35°C, Subcooling OK. 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	472	503	13.65	0.94
-30	644	583	18.73	1.11
-25	850	664	24.85	1.28
-20	1088	747	32.07	1.46
-15	1361	831	40.46	1.64
-10	1667	918	50.08	1.82

Test Condition: EN12900LBP, Fan/NotControlled/230, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

Condensing Temperature 55°C

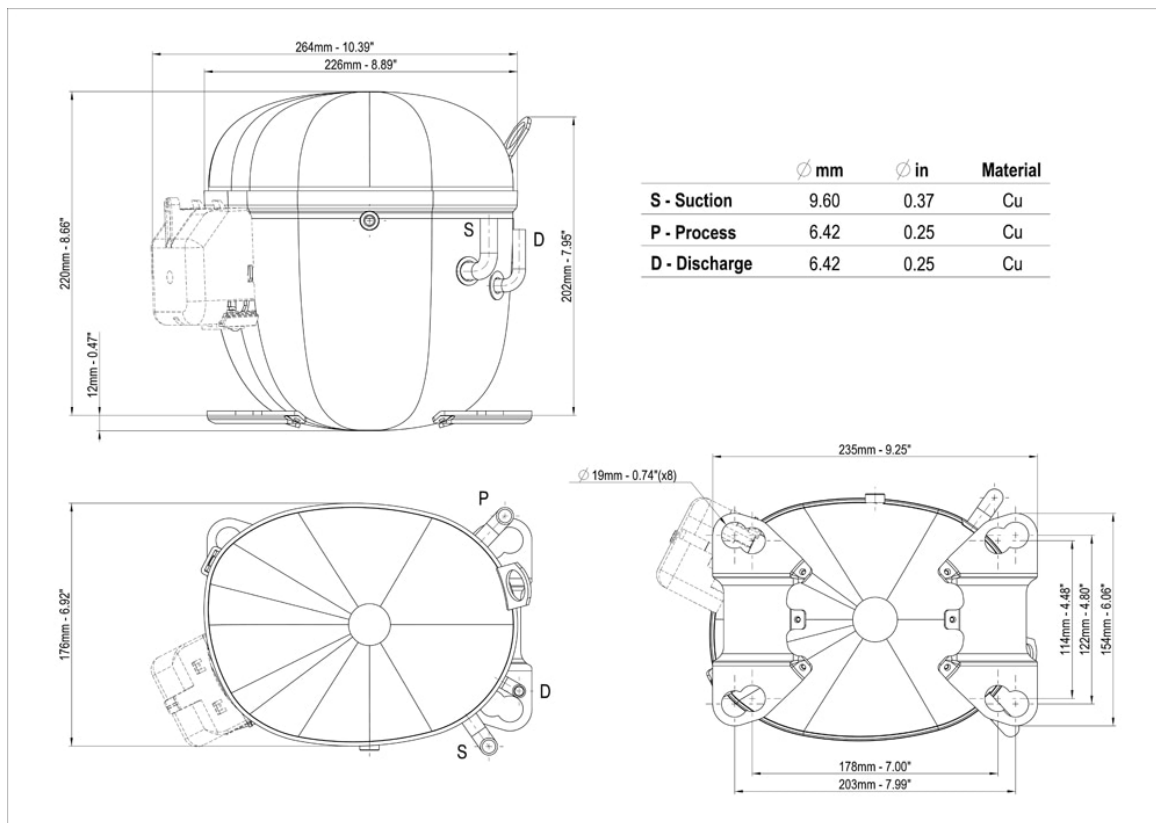
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-30	484	593	16.52	0.82
-25	651	681	22.38	0.96
-20	847	774	29.37	1.09
-15	1072	874	37.56	1.23
-10	1327	979	47.01	1.36

Test Condition: EN12900LBP, Fan/NotControlled/230, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

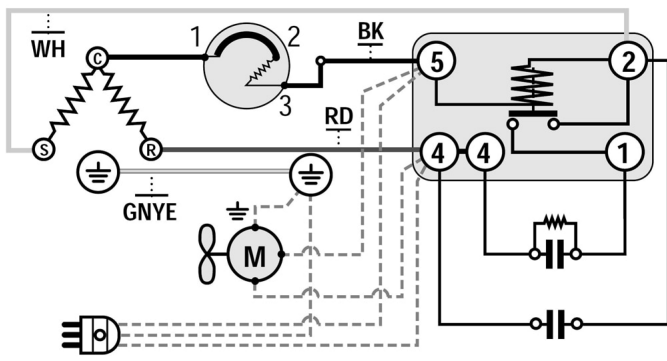
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

