



APPROVALS



ENGINEERING CODE
922AN04

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
200-240 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
MBP

COOLING CAPACITY
901 W (MBP)

EFFICIENCY
1.76 W/W (MBP)

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.55 cm ³
Compressor Cooling	Fan/NotControlled/200
Fan Air Flow	520 m ³ /h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	3/4 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	-20 °C to 10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	12.7 Ω at 25° C
Run Winding Resistance	2.7 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
Start Capacitor	72-88 Uf / 330 V
CSR / CSIR Box	YES
Starting Device	RVA3N3C-122
Motor Protection	MRA38168-3261
Run Capacitor	17.5

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	Current	Gas Flow Rate	Efficiency
45.00°C	-10.00°C	901 W	511 W	2.62 A	27.06 kg/h	1.76 W/W

Test Condition: EN12900MBP, Fan/NotControlled/200, Return Gas 20°C, Evaporation -10.00°C, Condensing 45.00°C, Ambient 35°C, Liquid 45°C, Subcooling OK. 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
-20	670	419	2.1	17.36	1.6
-15	878	450	2.26	22.93	1.95
-10	1122	482	2.43	29.56	2.33
-5	1395	515	2.58	37.15	2.71
0	1692	546	2.71	45.65	3.1
5	2006	573	2.78	54.95	3.5
10	2331	595	2.79	64.98	3.92

Test Condition: EN12900MBP, Fan/NotControlled/200, Return Gas 20°C, Ambient 35°C, Subcooling OK. 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
-20	536	428	2.2	15.83	1.25
-15	702	466	2.4	20.89	1.51
-10	901	511	2.62	27.06	1.76
-5	1128	561	2.82	34.25	2.01
0	1375	614	2.99	42.38	2.24
5	1637	669	3.12	51.38	2.45
10	1909	723	3.18	61.15	2.64

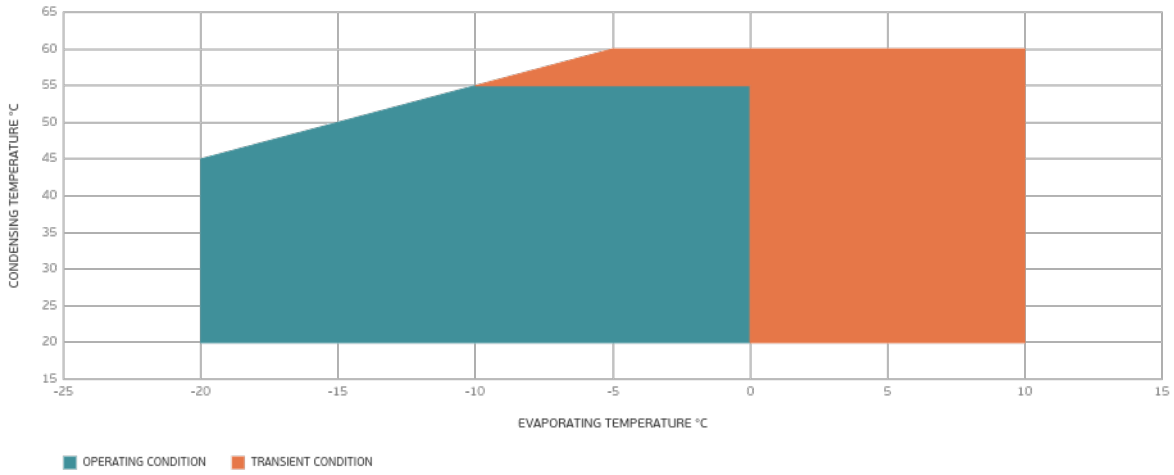
Test Condition: EN12900MBP, Fan/NotControlled/200, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

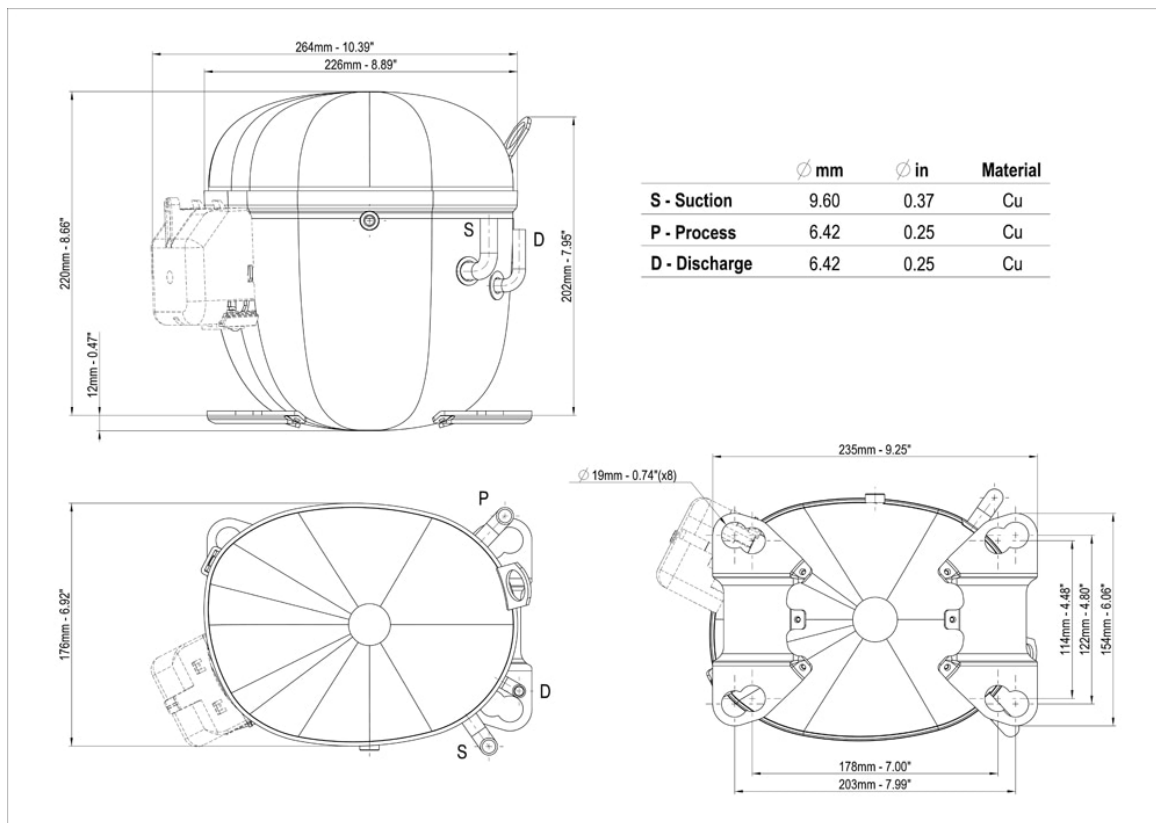
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-10	697	548	2.79	24.73	1.27
-5	872	611	3.05	31.35	1.43
0	1066	682	3.29	38.97	1.56
5	1273	759	3.47	47.50	1.68
10	1486	840	3.59	56.85	1.77

Test Condition: EN12900MBP, Fan/NotControlled/200, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

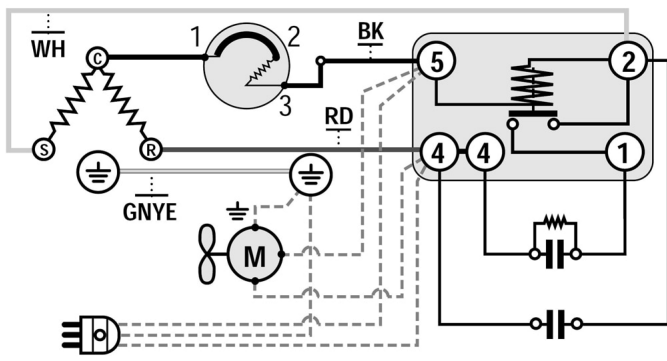
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

