

APPROVALS



ENGINEERING CODE
943CD11

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
208-230 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
1379 W (LBP)

EFFICIENCY
1.26 W/W (LBP)

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	26.11 cm ³
Compressor Cooling	Fan/NotControlled/208
Fan Air Flow	800 m ³ /h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1 1/4 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	208-230 V 60 Hz
Evaporating Temperature Range	-40 °C to -10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	5.11 Ω at 25° C
Run Winding Resistance	1.23 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	800 g
Oil Charge	750 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	21.8 Kg
Free Internal Volume	3.9 L

Electrical Components

	Description
Start Capacitor	88-108 Uf / 330 V
CSR / CSIR Box	YES
Run Capacitor	17.5
Motor Protection	15HM1962-248
Starting Device	RVA3G3C-101

External Characteristics

Base Plate	Large	
Tray Holder	No	
Height	276 mm	
Connector	Internal Diameter	Shape
Suction	12.77 mm	Vertical/Copper
Discharge	8 mm	Slanted J/Copper
Process	6.42 mm	Vertical/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	1379 W	1096 W	5.66 A	31.90 kg/h	1.26 W/W

Test Condition: ASHRAELBP32, Fan/NotControlled/208, 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
-40	597	608	3	13.68	0.98
-35	858	725	3.64	19.74	1.18
-30	1167	849	4.32	26.93	1.37
-25	1530	981	5.02	35.47	1.56
-20	1956	1122	5.76	45.58	1.74
-15	2452	1273	6.52	57.48	1.93
-10	3024	1435	7.29	71.39	2.11

Test Condition: ASHRAELBP32, Fan/NotControlled/208, 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
-35	726	680	3.66	16.68	1.07
-30	1033	838	4.37	23.81	1.23
-25	1396	1004	5.15	32.29	1.39
-20	1821	1178	6	42.36	1.55
-15	2317	1363	6.9	54.22	1.7
-10	2891	1559	7.87	68.11	1.85

Test Condition: ASHRAELBP32, Fan/NotControlled/208, 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

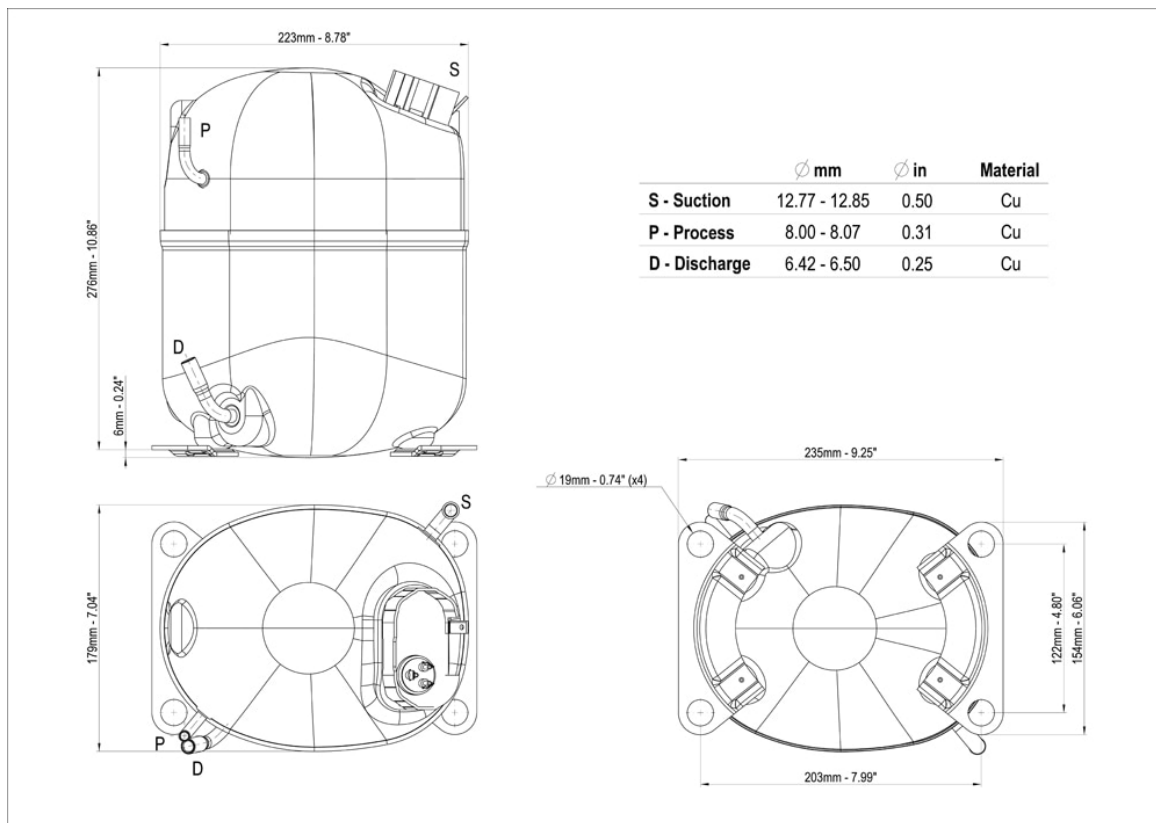
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	877	839	4.49	20.17	1.05
-25	1238	1032	5.36	28.57	1.2
-20	1662	1234	6.33	38.57	1.35
-15	2157	1446	7.4	50.37	1.49
-10	2731	1669	8.56	64.21	1.64

Test Condition: ASHRAELBP32, Fan/NotControlled/208, 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.

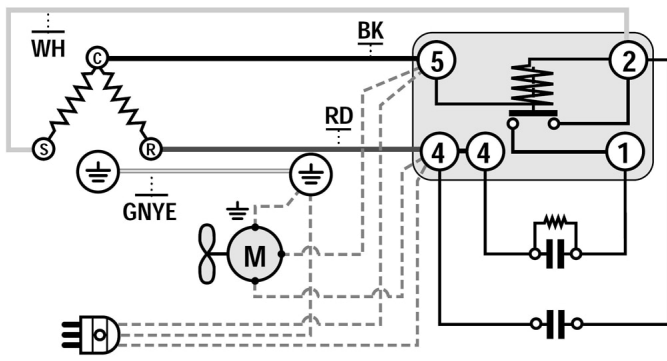
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

