



APPROVALS




 **ENGINEERING CODE**
959AA51


 **APPROVED REFRIGERANT**
R-404A

 **POWER SUPPLY**
220-240 V 50 Hz

 **STANDARD CONDITIONS**
EN12900

 **APPLICATION**
LBP

 **COOLING CAPACITY**
348 W

 **EFFICIENCY**
0.99 W/W

 **MOTOR TYPE**
CSIR

 **STARTING TORQUE**
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.11 cm ³
Compressor Cooling	Fan
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	220-240 V 50 Hz
Evaporating Temperature Range	-40 °C to -10 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	30.4 Ω at 25° C
Run Winding Resistance	4.2 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	350 g
Oil Charge	350 ml
Oil Type Configuration	Polyolester
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	11.3 Kg
Free Internal Volume	2.1 L

External Characteristics

Base Plate	European	
Tray Holder	No	
Height	206 mm	
Connector	Internal Diameter	Shape
Suction	8.1 mm	Slanted 42°
Discharge	6.1 mm	Straight
Process	6.1 mm	Slanted 42°

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	348 W	353 W	2.9 A	8.74 kg/h	0.99 W/W

Test Condition: EN12900, Fan, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C, Liquid 40°C. Data in accordance to EN12900 guideline polynomial curve.

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	290	302	2.79	6.84	0.96
-35	382	348	2.88	9.07	1.1
-30	493	392	2.99	11.75	1.26
-25	627	438	3.11	14.99	1.43
-20	784	484	3.25	18.85	1.62
-15	968	532	3.41	23.43	1.82
-10	1181	582	3.58	28.80	2.03

Test Condition: EN12900, Fan, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	314	358	2.92	8.38	0.88
-30	410	410	3.04	10.98	1
-25	523	464	3.19	14.09	1.13
-20	657	520	3.36	17.79	1.26
-15	814	580	3.56	22.18	1.4
-10	994	644	3.78	27.33	1.55

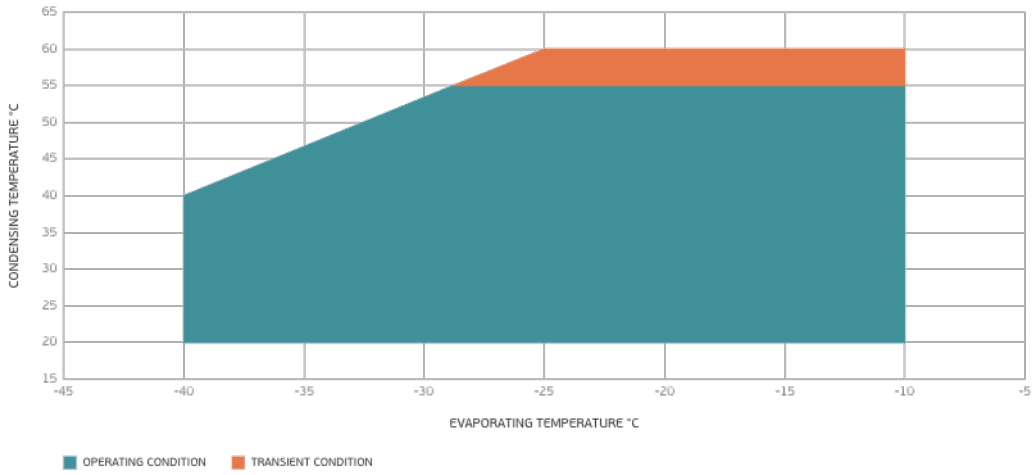
Test Condition: EN12900, Fan, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

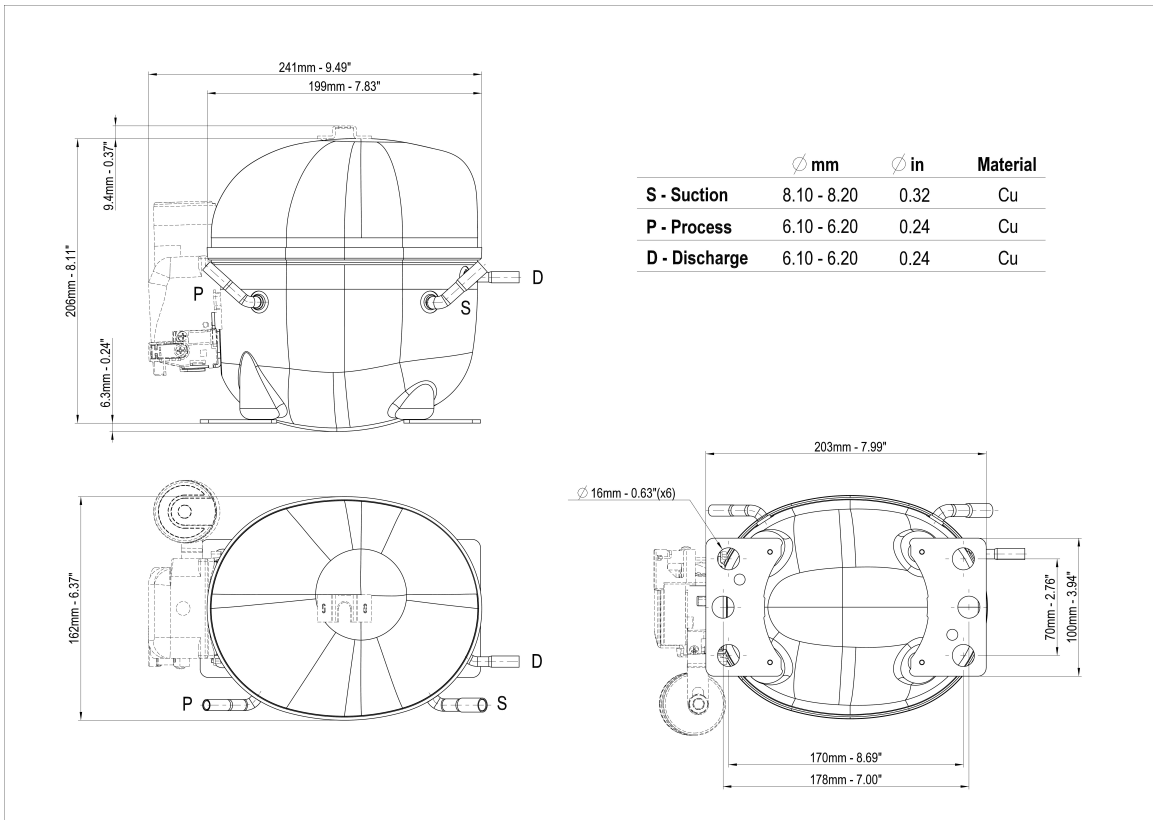
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	326	425	3.09	10.09	0.77
-25	419	487	3.26	13.08	0.86
-20	529	553	3.46	16.63	0.96
-15	658	624	3.7	20.82	1.05
-10	807	700	3.98	25.75	1.15

Test Condition: EN12900, Fan, LBP. Data in accordance to EN12900 guideline polynomial curve.

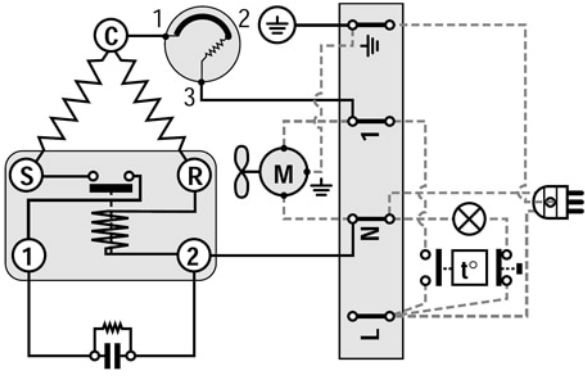
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

