


APPROVALS



 **ENGINEERING CODE**
267IA50


 **APPROVED REFRIGERANT**
R-134a


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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
L/MBP

 **COOLING CAPACITY**
351 W (LBP)

 **EFFICIENCY**
1.35 W/W (LBP)

 **MOTOR TYPE**
CSIR

 **STARTING TORQUE**
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.11 cm ³
Compressor Cooling	Fan/NotControlled/220
Fan Air Flow	520 m ³ /h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/3 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to 5 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST

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 Kg
Free Internal Volume	2.1 L

Electrical Components

	Description
Start Capacitor	43-53 Uf / 330 V
Starting Device	Relay MTRP-0027*
Motor Protection	T0156/G6

External Characteristics

Base Plate	European	
Tray Holder	No	
Height	188 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	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	351 W	260 W	1.8 A	6.82 kg/h	1.35 W/W

Test Condition: ASHRAELBP32, Fan/NotControlled/220, 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
-35	201	174	1.6	3.89	1.16
-30	269	198	1.65	5.20	1.36
-25	356	226	1.7	6.90	1.58
-20	463	256	1.78	8.99	1.8
-15	590	290	1.88	11.49	2.03
-10	737	327	2.02	14.42	2.26
-5	905	367	2.2	17.78	2.47
0	1093	410	2.42	21.59	2.67
5	1303	456	2.7	25.86	2.86

Test Condition: ASHRAELBP32, Fan/NotControlled/220, 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	190	176	1.63	3.67	1.08
-30	256	205	1.68	4.96	1.25
-25	341	238	1.74	6.62	1.44
-20	446	274	1.82	8.66	1.63
-15	569	314	1.93	11.09	1.81
-10	713	357	2.07	13.94	1.99
-5	876	405	2.25	17.20	2.16
0	1059	456	2.47	20.90	2.32
5	1262	511	2.75	25.05	2.47

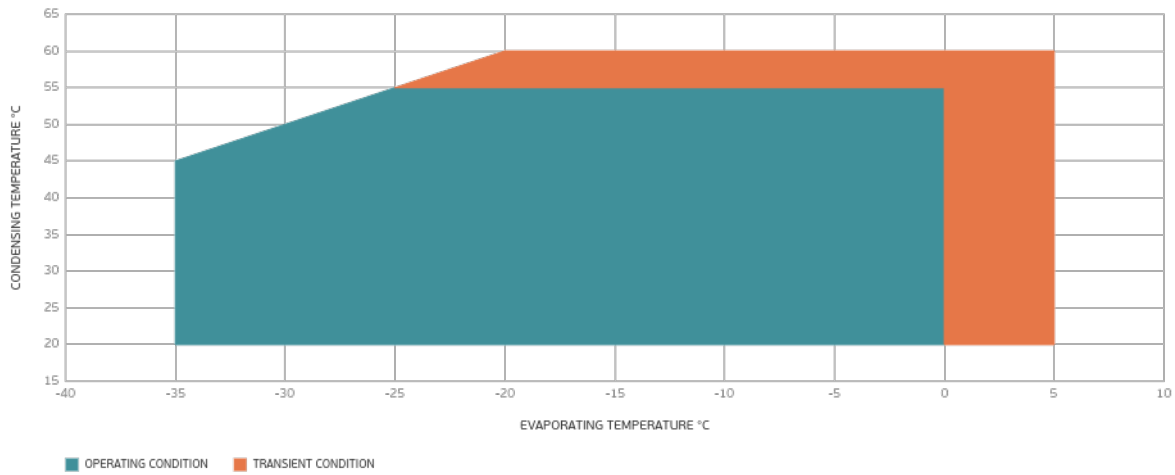
Test Condition: ASHRAELBP32, Fan/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

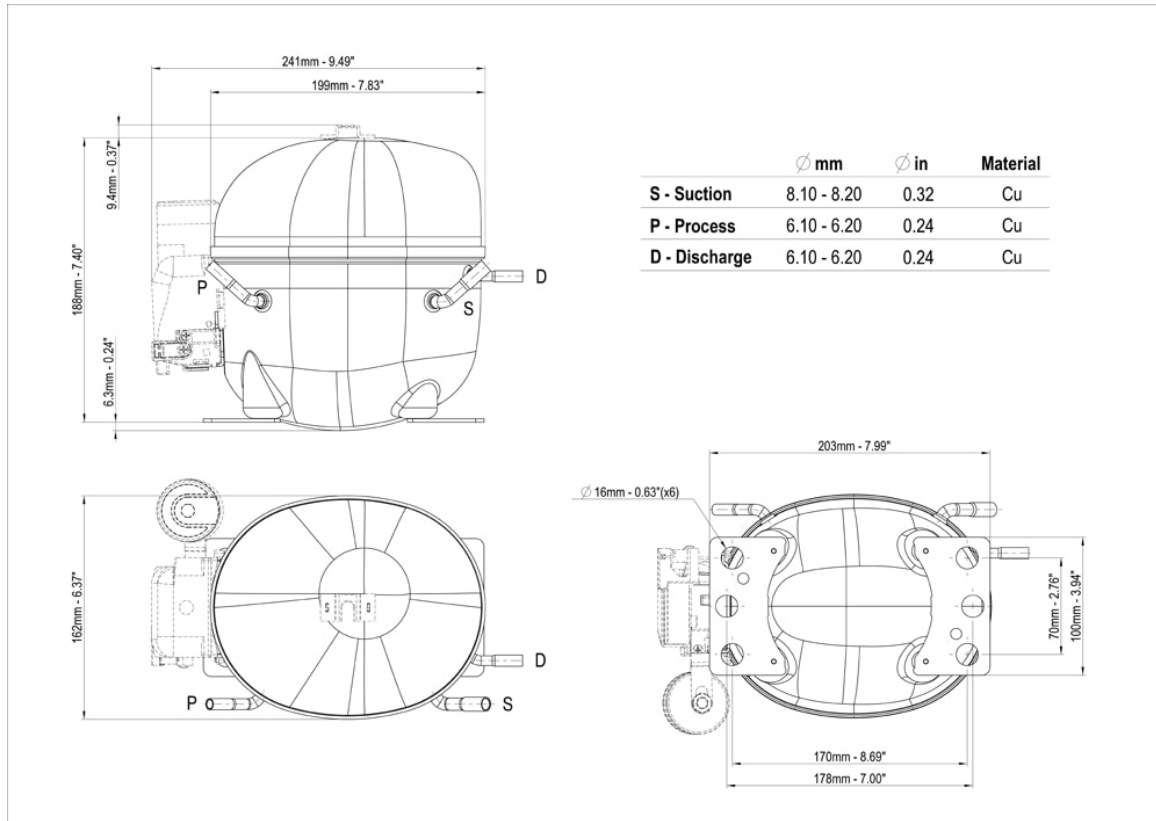
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	319	246	1.77	6.18	1.29
-20	420	286	1.88	8.17	1.47
-15	541	329	2.02	10.54	1.64
-10	680	377	2.19	13.30	1.8
-5	838	430	2.39	16.47	1.95
0	1016	486	2.65	20.05	2.09
5	1213	547	2.96	24.07	2.22

Test Condition: ASHRAELBP32, Fan/NotControlled/220, 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.

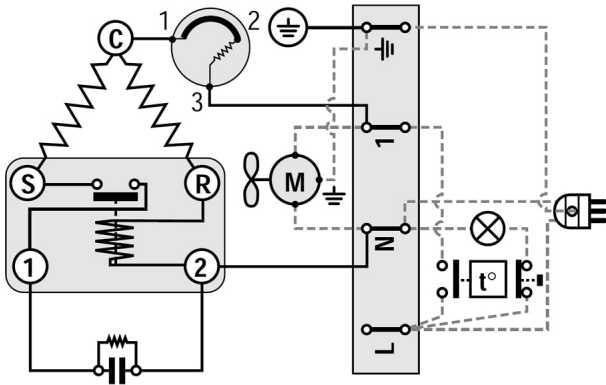
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

