



**APPROVALS**



**ENGINEERING CODE**  
171BA77

**APPROVED REFRIGERANT**  
R-134a

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

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
L/MBP

**COOLING CAPACITY**  
126 W (LBP)

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

**MOTOR TYPE**  
RSIR

**STARTING TORQUE**  
LST

DATA

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.53 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/8 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	RSIR
Starting Torque	LST
Start Winding Resistance	16.55 Ω at 25° C
Run Winding Resistance	25 Ω at 25° C

## Mechanical Data

Maximum Recommended Refrigerant Charge	250 g
Oil Charge	150 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Pressurization	Light vacuum
Weight	7.7 Kg
Free Internal Volume	1.5 L

## Electrical Components

	Description
Starting Device	PTC   V230
Motor Protection	AE64FS

## External Characteristics

Base Plate	European	
Tray Holder	Yes	
Height	171 mm	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	4.94 mm	Straight/Copper
Process	6.1 mm	Slanted 46°/Copper

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	126 W	93 W	0.64 A	2.43 kg/h	1.35 W/W

Test Condition: ASHRAELBP32, Static/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	71	61	0.56	1.38	1.17
-30	98	71	0.59	1.90	1.38
-25	133	81	0.61	2.58	1.65
-20	177	91	0.64	3.43	1.95
-15	229	100	0.67	4.46	2.28
-10	290	110	0.7	5.66	2.64
-5	359	119	0.73	7.05	3.01
0	437	129	0.76	8.63	3.39
5	525	138	0.8	10.41	3.79

Test Condition: ASHRAELBP32, Static/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	65	62	0.57	1.26	1.06
-30	91	74	0.6	1.76	1.23
-25	124	86	0.63	2.41	1.45
-20	166	99	0.67	3.23	1.69
-15	217	112	0.71	4.22	1.93
-10	275	126	0.76	5.39	2.18
-5	343	141	0.81	6.74	2.43
0	420	157	0.87	8.28	2.67
5	505	173	0.93	10.02	2.92

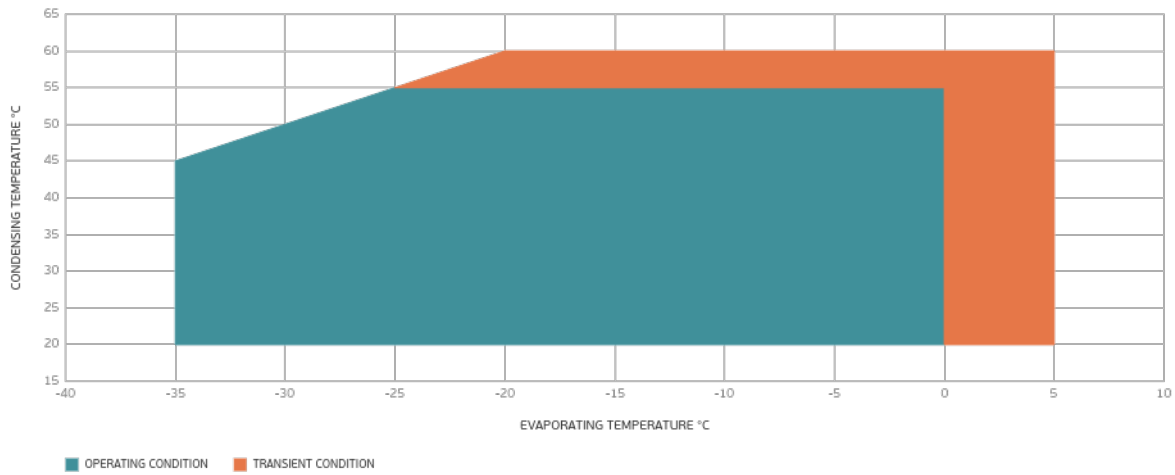
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

## Condensing Temperature 55°C

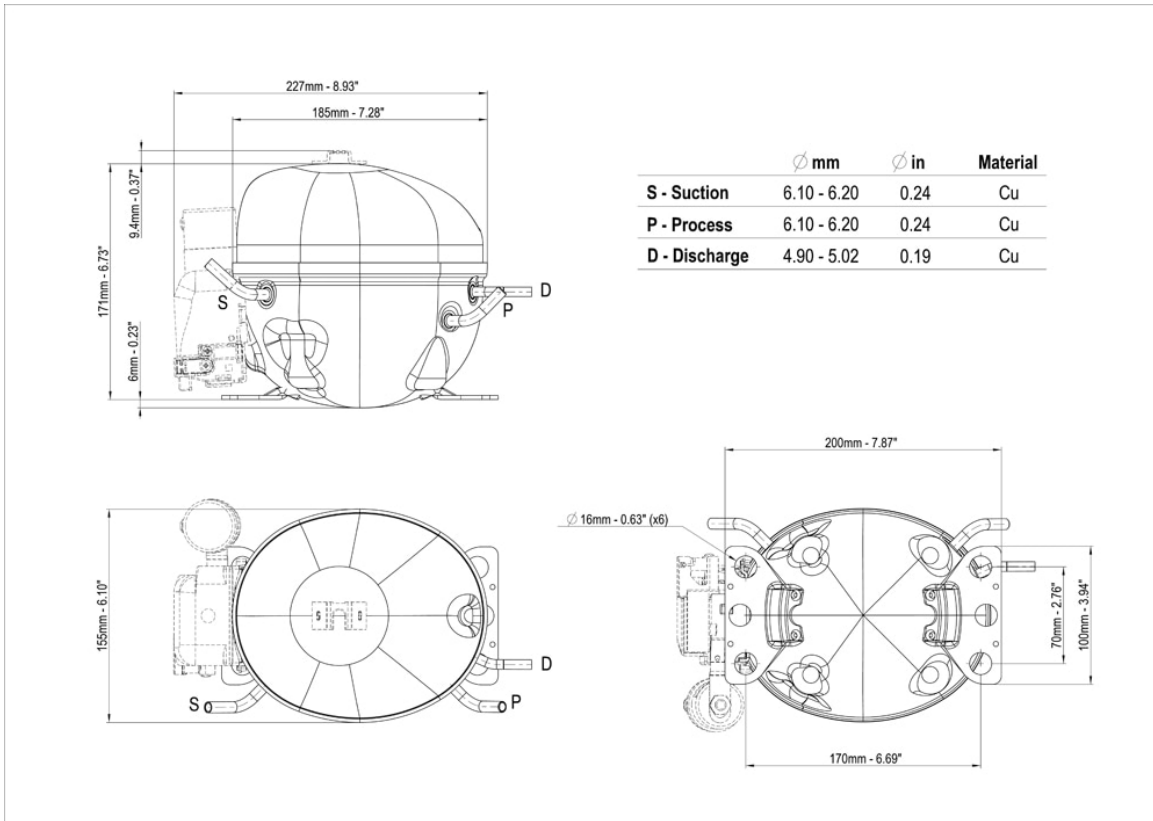
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	113	87	0.63	2.20	1.29
-20	153	103	0.67	2.98	1.49
-15	202	119	0.73	3.93	1.69
-10	258	137	0.79	5.06	1.88
-5	324	157	0.86	6.37	2.07
0	398	178	0.94	7.86	2.24
5	482	200	1.03	9.55	2.41

Test Condition: ASHRAELBP32, Static/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.

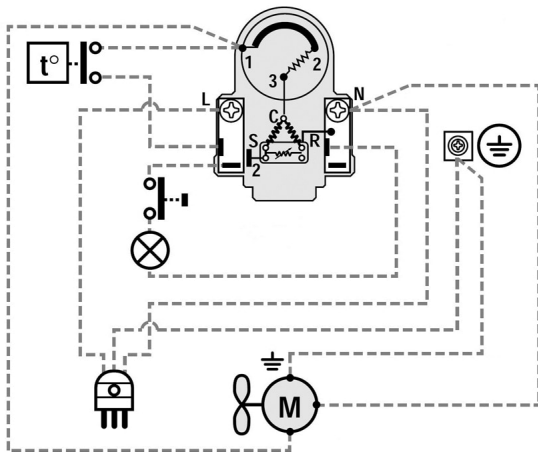
## Operating Envelope



## External Dimensions



## Wiring Diagram



## Assembly Instructions

