






**APPROVALS**




 **ENGINEERING CODE**  
700AA98


 **APPROVED REFRIGERANT**  
R-600a


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

 **STANDARD CONDITIONS**  
ASHRAE

 **APPLICATION**  
LBP

 **COOLING CAPACITY**  
192 W (LBP)

 **EFFICIENCY**  
1.72 W/W (LBP)

 **MOTOR TYPE**  
RSCR

 **STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	11.14 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/5 hp
Max Condensing Pressure Operating	8.69 bar
Max Condensing Pressure Peak	10.88 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

**Electrical Data**

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	22.47 Ω at 25° C
Run Winding Resistance	18.35 Ω at 25° C

## Mechanical Data

Maximum Recommended Refrigerant Charge	150 g
Oil Charge	150 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Pressurization	Light vacuum
Weight	7.4 Kg
Free Internal Volume	1.5 L

## Electrical Components

	Description
Run Capacitor	4
Starting Device	PTC   MI2021
Motor Protection	AE37FQ

## External Characteristics

Base Plate	European	
Tray Holder	Yes	
Height	166 mm	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42° up + 45° to Back/Copper
Discharge	5.1 mm	Slanted 42° up + 45° to Back/Copper
Process	6 mm	Slanted 43° up + 45° to Back/Copper(OD)

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	192 W	111 W	2.06 kg/h	1.72 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 are an indication of performance based simulation.

## Performance Curve Data

### Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	114	74	1.22	1.54
-30	152	81	1.63	1.89
-25	197	91	2.12	2.16
-20	251	105	2.70	2.4
-15	315	120	3.40	2.64
-10	390	134	4.21	2.91

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

### Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	105	79	1.13	1.34
-30	142	87	1.52	1.63
-25	186	100	2.00	1.86
-20	239	116	2.58	2.06
-15	303	134	3.27	2.26
-10	378	152	4.08	2.49

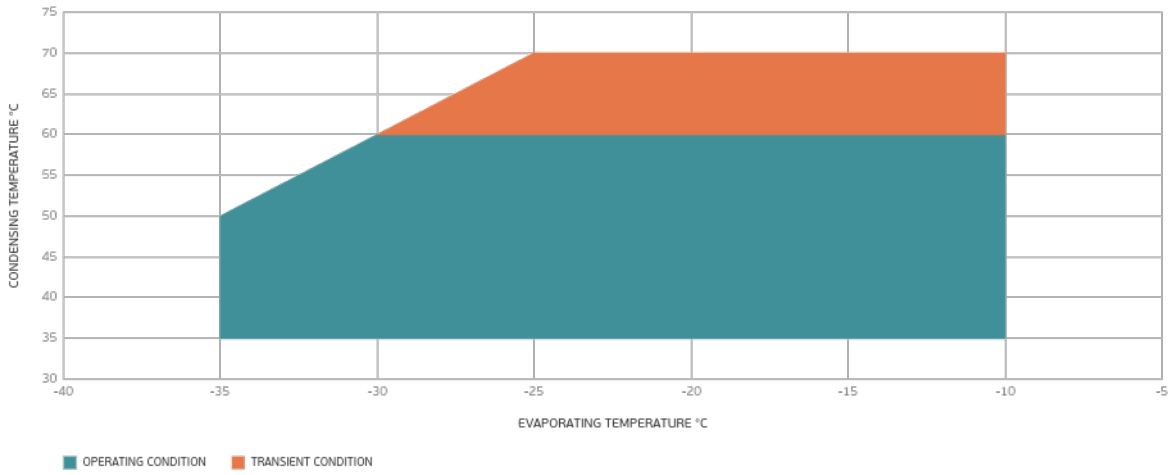
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

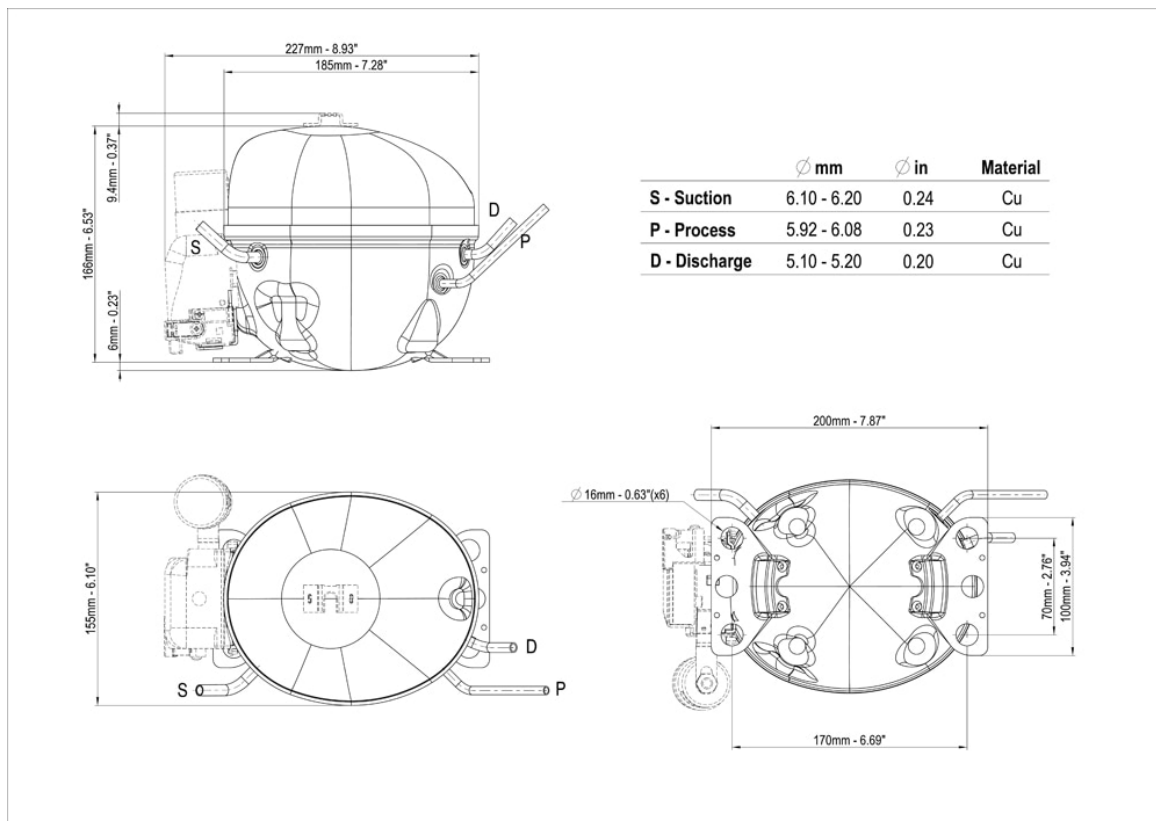
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	97	80	1.04	1.2
-30	131	91	1.41	1.45
-25	174	106	1.87	1.65
-20	227	125	2.44	1.82
-15	289	145	3.12	2
-10	363	165	3.93	2.2

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

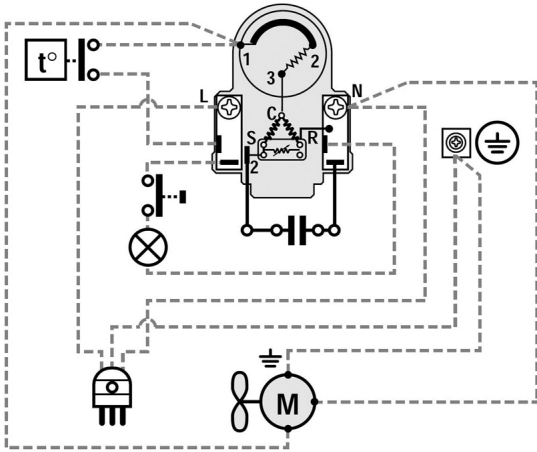
## Operating Envelope



## External Dimensions



## Wiring Diagram



## Assembly Instructions

