



**APPROVALS**



**ENGINEERING CODE**  
263BK50

**APPROVED REFRIGERANT**  
R-134a

**POWER SUPPLY**  
200-220 V 50 Hz

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
253 W (LBP)

**EFFICIENCY**  
1.27 W/W (LBP)

**MOTOR TYPE**  
CSIR

**STARTING TORQUE**  
HST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.26 cm <sup>3</sup>
Compressor Cooling	Fan/NotControlled/200
Fan Air Flow	520 m <sup>3</sup> /h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/4 hp
Max Condensing Pressure Operating	13.92 bar
Max Condensing Pressure Peak	15.62 bar
Power Supply	200-220 V 50 Hz / 230 V 60 Hz
Evaporating Temperature Range	-30 °C to -5 °C

**Electrical Data**

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	18.22 Ω at 25° C
Run Winding Resistance	5.1 Ω at 25° C

## 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	11.65 Kg
Free Internal Volume	2.1 L

## Electrical Components

	Description
Start Capacitor	64-77 Uf / 330 V
Starting Device	Relay   MTRP-0027*
Motor Protection	4TM757KDBYY-153

## External Characteristics

Base Plate	European	
Tray Holder	No	
Height	206 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	254 W	199 W	1.67 A	4.92 kg/h	1.27 W/W

Test Condition: ASHRAELBP32, Fan/NotControlled/200, 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
-30	199	162	1.56	3.84	1.22
-25	264	183	1.63	5.12	1.44
-20	342	205	1.7	6.65	1.67
-15	434	227	1.77	8.46	1.91
-10	540	250	1.85	10.57	2.16
-5	662	274	1.93	13.00	2.42

Test Condition: ASHRAELBP32, Fan/NotControlled/200, 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
-30	184	161	1.58	3.55	1.14
-25	247	186	1.64	4.78	1.33
-20	323	211	1.71	6.28	1.53
-15	414	238	1.79	8.06	1.74
-10	520	267	1.89	10.16	1.95
-5	642	297	2	12.60	2.16

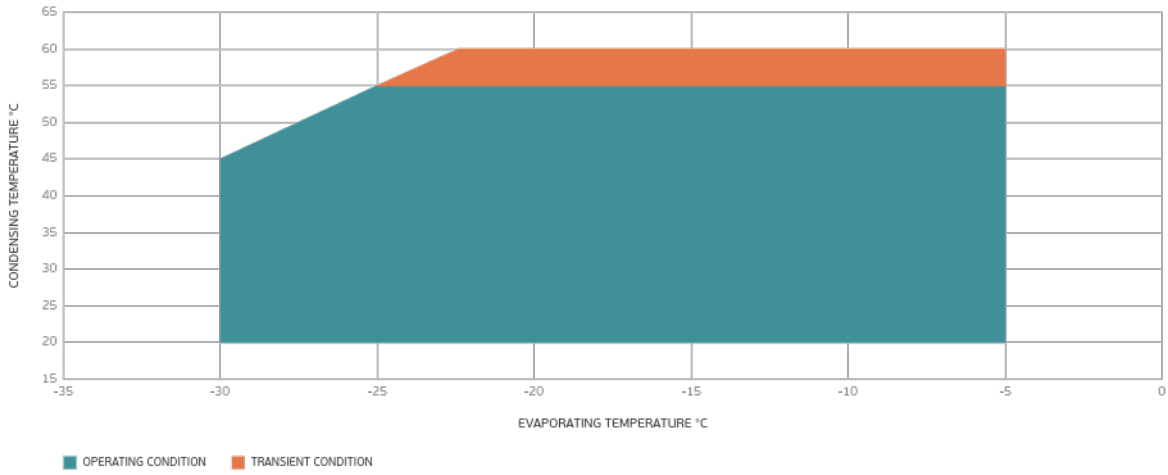
Test Condition: ASHRAELBP32, Fan/NotControlled/200, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

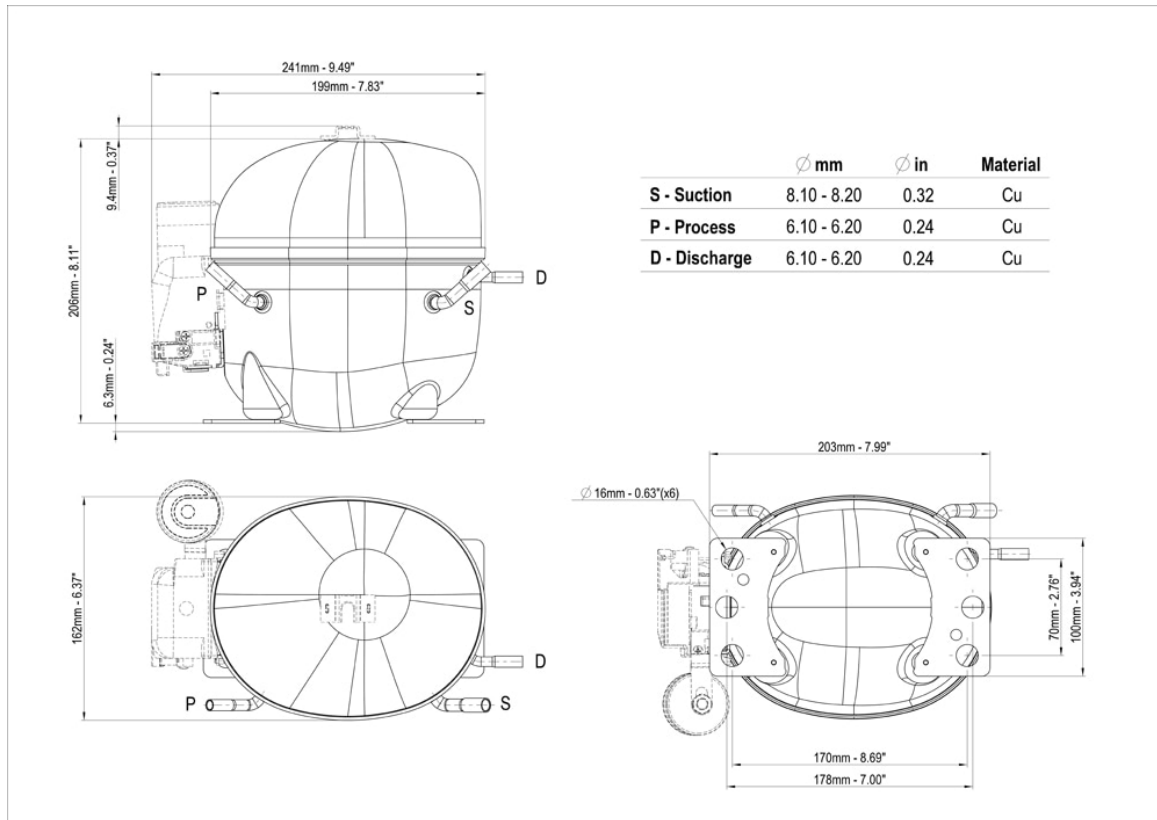
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	230	189	1.65	4.46	1.22
-20	304	217	1.72	5.90	1.4
-15	392	248	1.81	7.65	1.59
-10	497	280	1.93	9.72	1.77
-5	618	316	2.07	12.14	1.96

Test Condition: ASHRAELBP32, Fan/NotControlled/200, 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

