



**APPROVALS**



**ENGINEERING CODE**  
711IA52

**APPROVED REFRIGERANT**  
R-290

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

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
L/MBP

**COOLING CAPACITY**  
265 W (LBP)

**EFFICIENCY**  
1.78 W/W (LBP)

**MOTOR TYPE**  
RSCR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.54 cm <sup>3</sup>
Compressor Cooling	Fan/NotControlled/220
Fan Air Flow	270 m <sup>3</sup> /h
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Max Condensing Pressure Operating	18.07 bar
Max Condensing Pressure Peak	20.17 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to 0 °C

**Electrical Data**

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	13.5 Ω at 25° C
Run Winding Resistance	13.7 Ω at 25° C

## Mechanical Data

Maximum Recommended Refrigerant Charge	150 g
Oil Charge	150 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Pressurization	Light vacuum
Weight	8.2 Kg
Free Internal Volume	1.5 L

## Electrical Components

	Description
Run Capacitor	5
Starting Device	PTC   MI2021 V230
Motor Protection	AE15BU

## External Characteristics

Base Plate	European	
Tray Holder	Yes	
Height	171 mm	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42° up + 45° to Back/Copper
Discharge	4.94 mm	Slanted 0° up + 45° to Back/Copper
Process	6.1 mm	Slanted 45° up + 45° to Back/Copper

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	265 W	149 W	0.71 A	2.69 kg/h	1.78 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	173	103	0.51	1.75	1.68
-30	218	115	0.56	2.21	1.9
-25	278	127	0.61	2.83	2.2
-20	352	138	0.66	3.58	2.55
-15	437	149	0.72	4.47	2.94
-10	533	159	0.77	5.47	3.35
-5	638	169	0.81	6.58	3.76
0	750	179	0.86	7.78	4.19

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	165	106	0.52	1.67	1.56
-30	210	122	0.59	2.12	1.72
-25	267	136	0.66	2.71	1.96
-20	336	151	0.72	3.42	2.23
-15	416	164	0.79	4.25	2.53
-10	506	178	0.85	5.19	2.84
-5	602	191	0.91	6.21	3.16
0	705	203	0.96	7.32	3.47

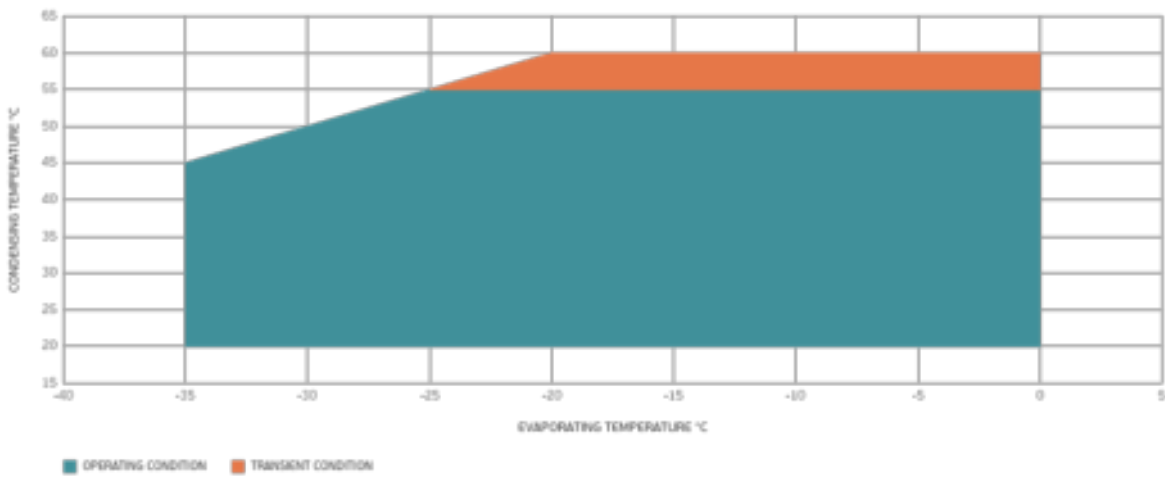
Test Condition: ASHRAELBP32, Fan/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

## Condensing Temperature 55°C

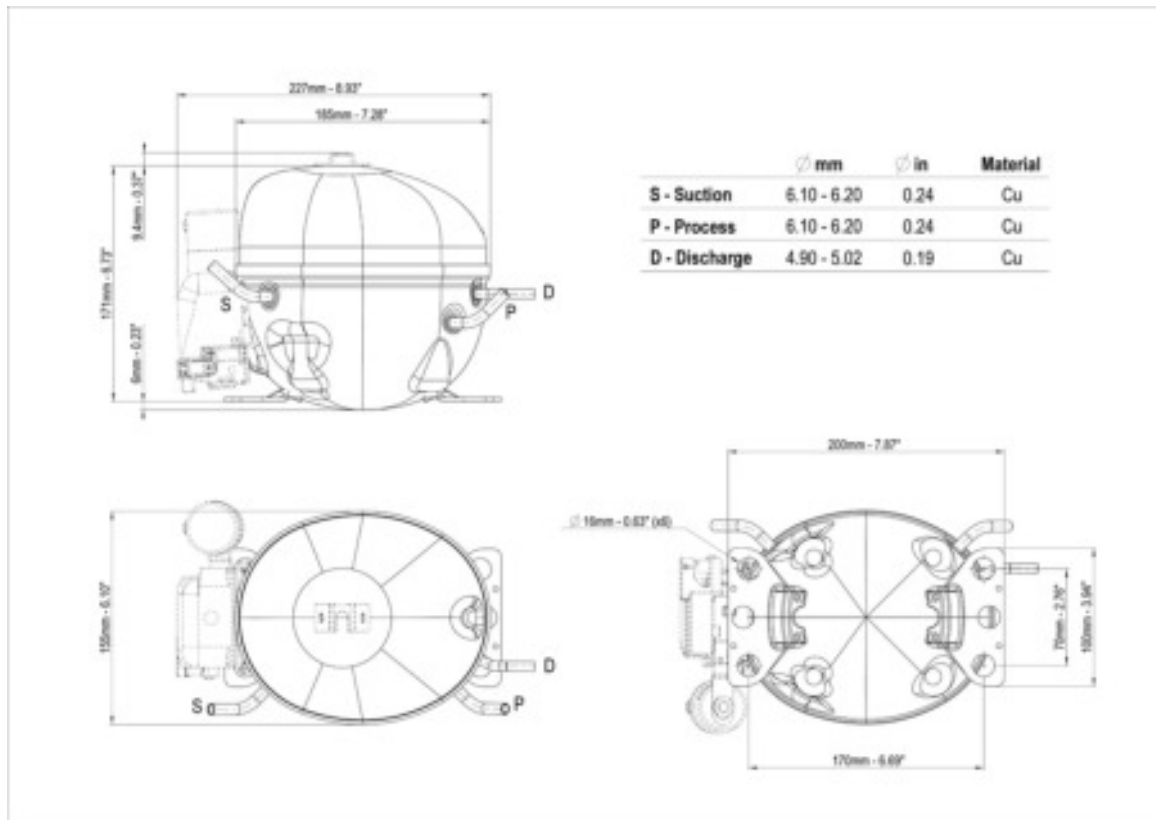
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	144	108	0.52	1.45	1.34
-30	187	125	0.6	1.89	1.5
-25	243	142	0.68	2.46	1.71
-20	309	159	0.76	3.14	1.95
-15	384	174	0.83	3.92	2.2
-10	466	190	0.9	4.78	2.46
-5	555	204	0.97	5.73	2.72
0	649	218	1.03	6.74	2.97

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.

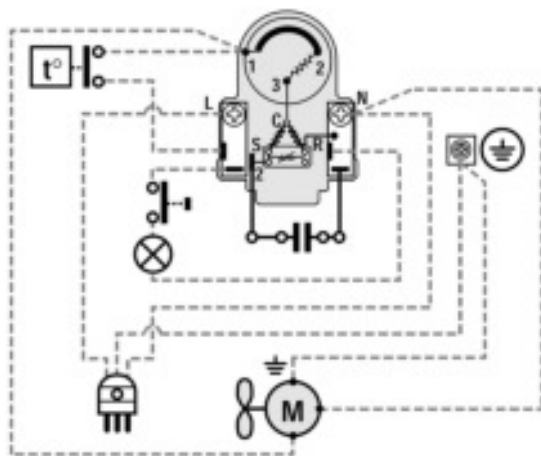
## Operating Envelope



## External Dimensions



## Wiring Diagram



## Assembly Instructions

