




**APPROVALS**




 **ENGINEERING CODE**  
513307373


 **APPROVED REFRIGERANT**  
R-134a


 **POWER SUPPLY**  
220 V 50 Hz

 **STANDARD CONDITIONS**  
ASHRAE

 **APPLICATION**  
LBP

 **COOLING CAPACITY**  
137 W (LBP)

 **EFFICIENCY**  
1.17 W/W (LBP)

 **MOTOR TYPE**  
RSIR/CSIR

 **STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.99 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/6 hp
Power Supply	220 V 50 Hz / 220 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

**Electrical Data**

Motor type	RSIR/CSIR
Starting Torque	LST
Start Winding Resistance	27.8 Ω at 25° C
Run Winding Resistance	13.7 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.34 A

## Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.73 Kg

## Electrical Components

	Description
Starting Device	Relay   213514130 213515004*
Start Capacitor	72-88 Uf / 210 V
Motor Protection	4TM718REBY-53 4TM718RFBYY-53 4TM734LFBYY-53

## External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	6.5 mm	Straight/Copper
Discharge	4.94 mm	Straight/Copper
Process	6.5 mm	Straight/Copper

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	137 W	117 W	1.06 A	2.67 kg/h	1.17 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	67	119	1	0.77	0.57
-30	98	129	1.02	1.36	0.76
-25	135	138	1.04	2.08	0.98
-20	179	147	1.05	2.94	1.22
-15	230	156	1.06	3.96	1.48
-10	290	168	1.08	5.15	1.73

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	73	92	1	1.40	0.79
-30	102	102	1.03	1.97	0.99
-25	137	112	1.04	2.66	1.22
-20	181	123	1.06	3.51	1.47
-15	232	135	1.08	4.52	1.72
-10	292	150	1.1	5.71	1.95

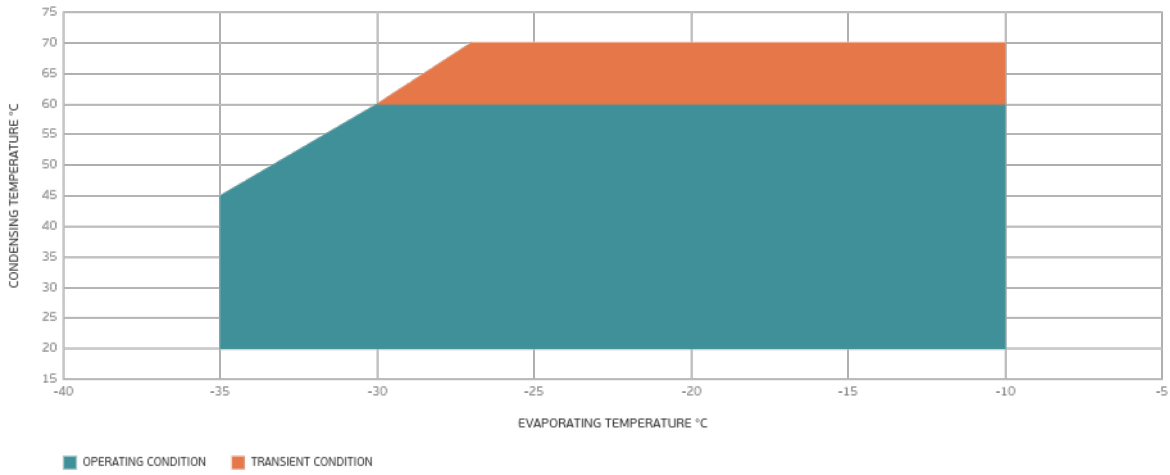
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

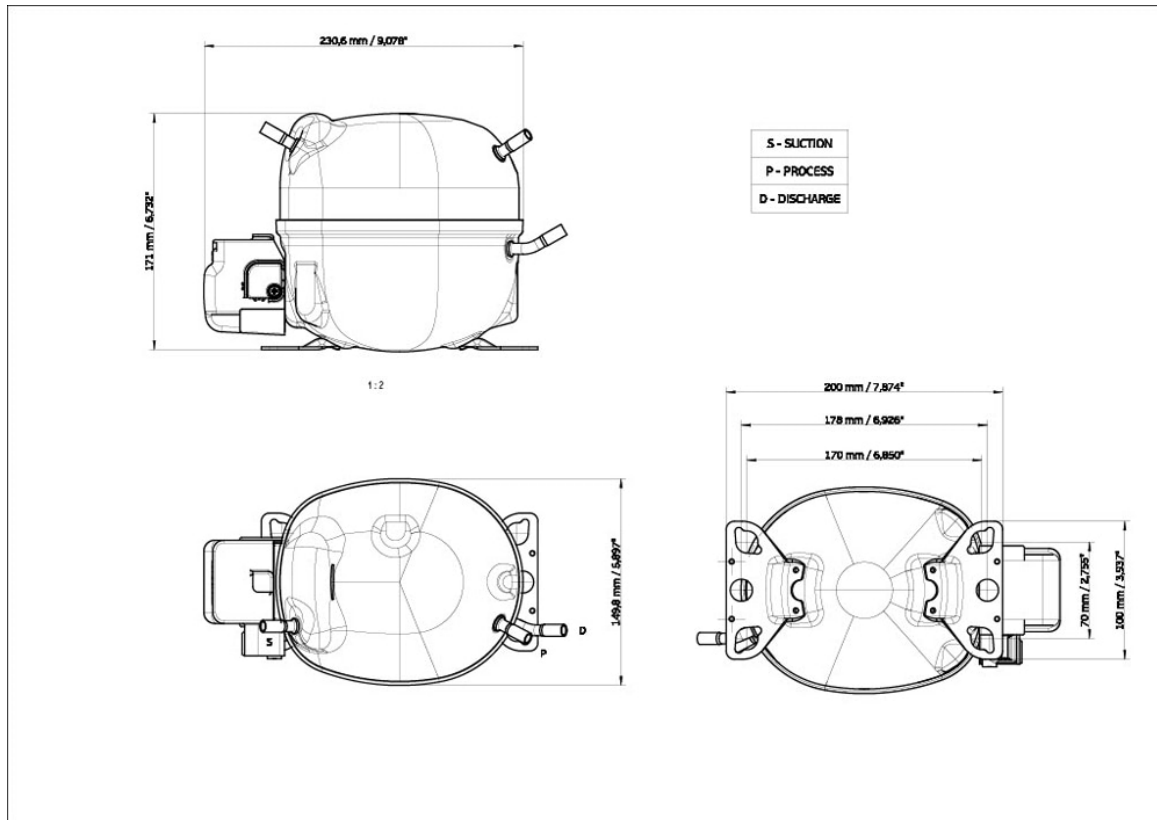
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	62	91	1	1.19	0.68
-30	89	102	1.03	1.72	0.87
-25	123	114	1.05	2.38	1.08
-20	165	126	1.07	3.20	1.31
-15	215	141	1.09	4.19	1.53
-10	274	159	1.12	5.36	1.73

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

SM28-4

