




**APPROVALS**




 **ENGINEERING CODE**  
513300257


 **APPROVED REFRIGERANT**  
R-134a


 **POWER SUPPLY**  
200-240 V 50 Hz

 **STANDARD CONDITIONS**  
ASHRAE

 **APPLICATION**  
LBP

 **COOLING CAPACITY**  
182 W (LBP)

 **EFFICIENCY**  
1.39 W/W (LBP)

 **MOTOR TYPE**  
RSIR/RSCR

 **STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.96 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Power Supply	200-240 V 50 Hz 1~
Evaporating Temperature Range	-35 °C to -10 °C

**Electrical Data**

Motor type	RSIR/RSCR
Starting Torque	LST
Locked Rotor Amperage (LRA)	26.7 A
Rated Load Amperage (RLA) at 60 Hz	3 A

**Mechanical Data**

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.4 Kg

## Electrical Components

	Description
Run Capacitor	5
Motor Protection	4TM232NFBYY-53
Starting Device	PTC   8M220MD3 QPS2-A22MD3 091

## External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	6.5 mm	Slanted 40° up + 45° to Back/Copper
Discharge	4.9 mm	Slanted 0° up + 24° to Back/Copper
Process	6.5 mm	Slanted 40° 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	182 W	131 W	0.74 A	3.52 kg/h	1.39 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	106	95	0.63	2.04	1.12
-30	142	105	0.66	2.76	1.35
-25	188	116	0.69	3.63	1.61
-20	241	128	0.73	4.69	1.88
-15	305	140	0.77	5.95	2.18
-10	380	152	0.82	7.42	2.49

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	97	96	0.63	1.87	1.01
-30	133	109	0.66	2.57	1.22
-25	177	123	0.71	3.43	1.44
-20	230	138	0.75	4.47	1.67
-15	293	153	0.81	5.71	1.91
-10	367	169	0.87	7.17	2.17

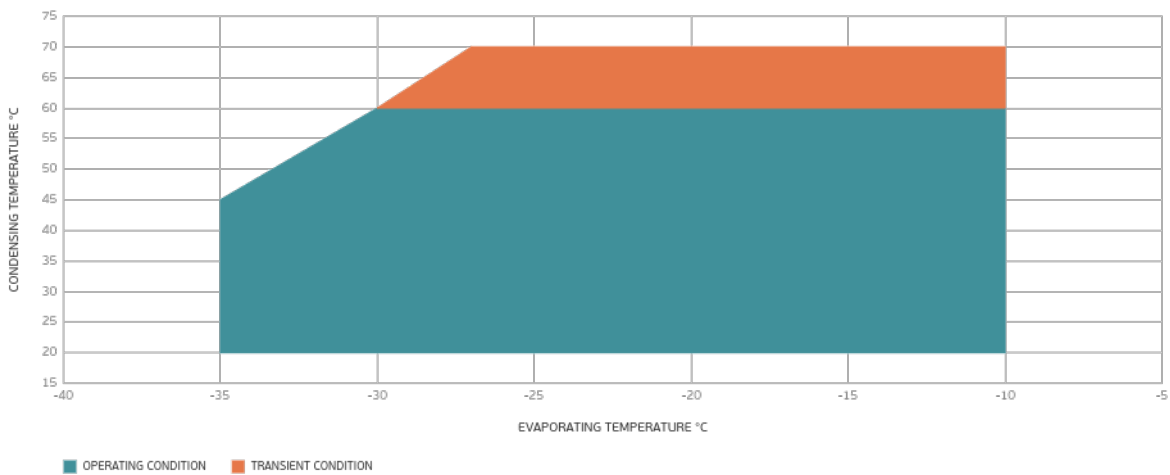
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

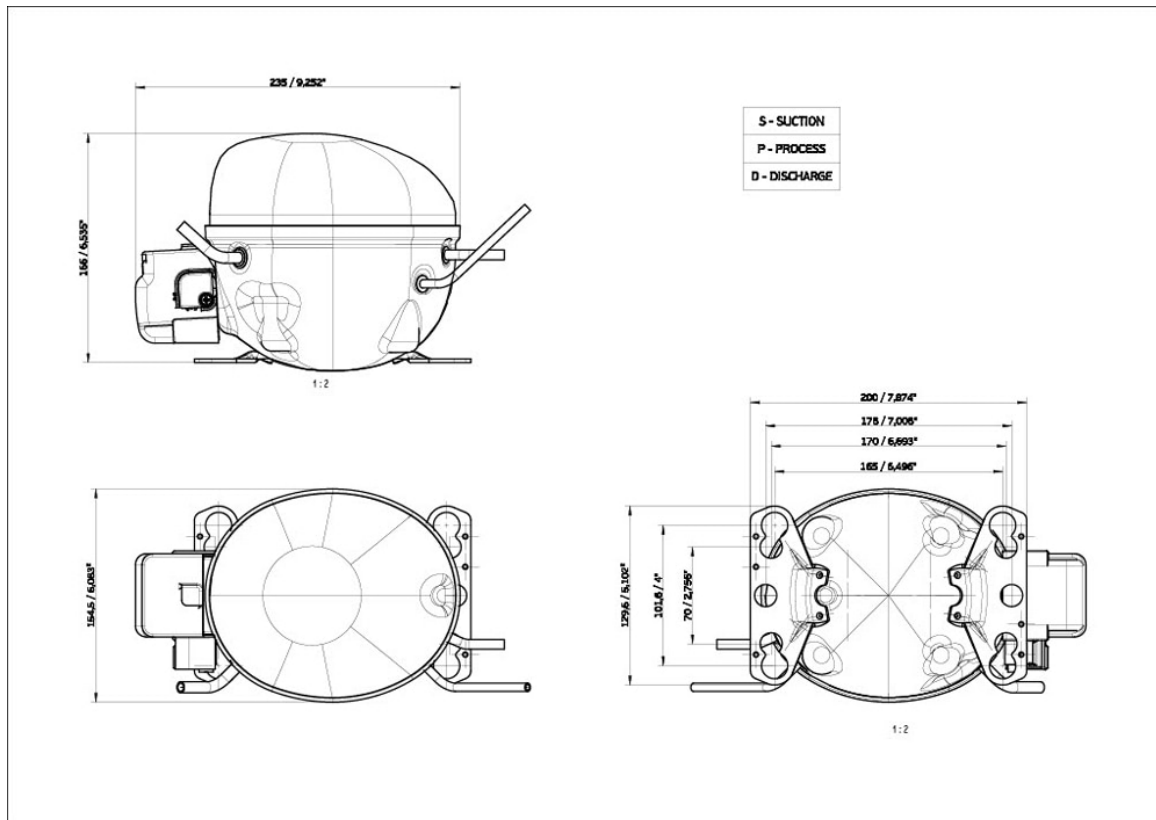
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	86	94	0.63	1.65	0.9
-30	121	109	0.67	2.34	1.11
-25	164	125	0.72	3.18	1.31
-20	216	143	0.78	4.20	1.52
-15	278	161	0.85	5.43	1.73
-10	351	181	0.92	6.87	1.94

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

