



APPROVALS



 **ENGINEERING CODE**
513307989

 **APPROVED REFRIGERANT**
R-134a

 **POWER SUPPLY**
115-127 V 60 Hz

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
148 W (LBP)

 **EFFICIENCY**
1.3 W/W (LBP)

 **MOTOR TYPE**
RSIR/CSIR

 **STARTING TORQUE**
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.6 cm ³
Compressor Cooling	Static/NotControlled/115
Expansion Device	Capillary Tube
Horse Power	1/6 hp
Power Supply	115-127 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR/CSIR
Starting Torque	LST
Start Winding Resistance	12.4 Ω at 25° C
Run Winding Resistance	4.3 Ω at 25° C

Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.26 Kg

Electrical Components

	Description
Starting Device	Relay 213514105 213515292*
Start Capacitor	233-280 Uf / 115 V
Motor Protection	4TM757KDBYY-53

External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	6.5 mm	Straight/Copper
Discharge	6.5 mm	Slanted/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	149 W	114 W	1.48 A	2.89 kg/h	1.3 W/W

Test Condition: ASHRAELBP32, Static/NotControlled/115, 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	74	111	1.3	0.55	0.67
-30	108	125	1.36	1.21	0.86
-25	148	137	1.42	2.00	1.08
-20	196	147	1.49	2.94	1.33
-15	253	156	1.57	4.05	1.62
-10	320	166	1.65	5.38	1.93

Test Condition: ASHRAELBP32, Static/NotControlled/115, 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	79	79	1.32	1.52	1
-30	111	94	1.37	2.15	1.18
-25	150	108	1.45	2.91	1.39
-20	198	121	1.53	3.84	1.63
-15	254	135	1.63	4.95	1.89
-10	321	148	1.73	6.28	2.16

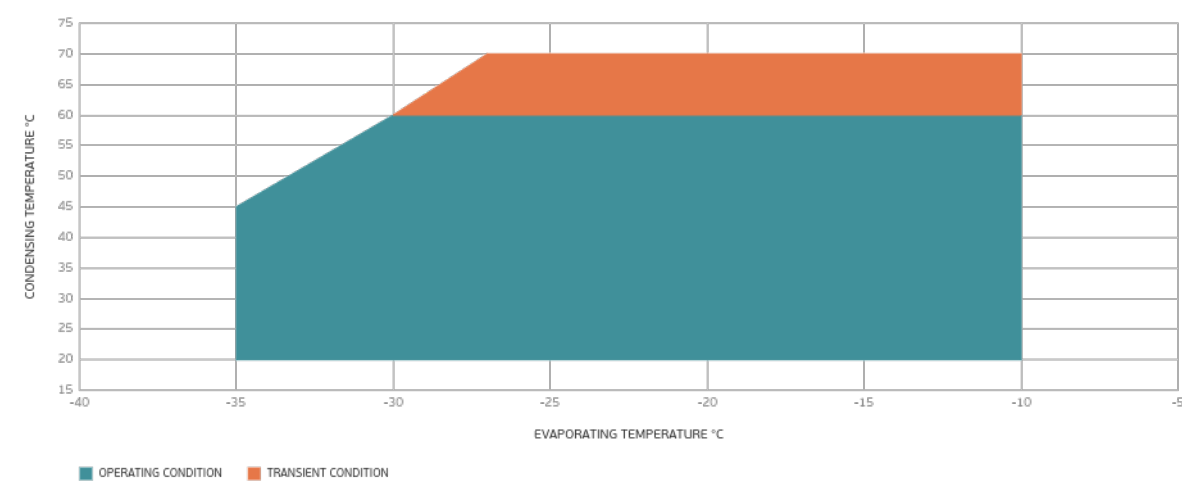
Test Condition: ASHRAELBP32, Static/NotControlled/115, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

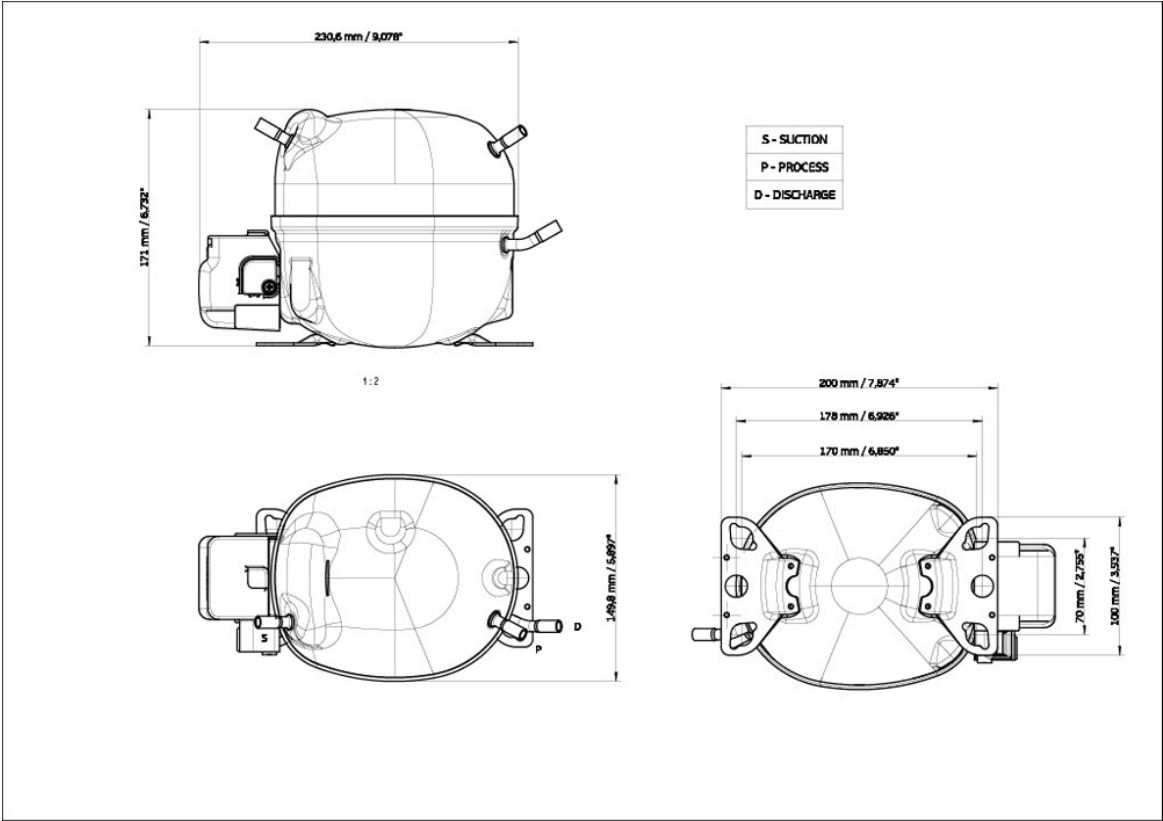
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	65	76	1.31	1.26	0.85
-30	95	93	1.37	1.84	1.02
-25	132	109	1.45	2.57	1.21
-20	178	125	1.55	3.47	1.43
-15	234	142	1.67	4.57	1.65
-10	301	161	1.81	5.89	1.87

Test Condition: ASHRAELBP32, Static/NotControlled/115, 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

