



APPROVALS



ENGINEERING CODE
513300256

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
200-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
154 W (LBP)

EFFICIENCY
1.43 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.19 cm ³
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	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	7.2 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	154 W	108 W	0.53 A	2.98 kg/h	1.43 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	90	74	0.39	1.74	1.21
-30	121	84	0.43	2.33	1.44
-25	158	94	0.47	3.07	1.69
-20	205	104	0.52	3.97	1.97
-15	261	114	0.56	5.08	2.28
-10	327	125	0.61	6.41	2.63

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	83	76	0.41	1.61	1.1
-30	113	87	0.45	2.19	1.3
-25	150	100	0.5	2.91	1.51
-20	195	113	0.55	3.79	1.74
-15	250	126	0.61	4.88	1.99
-10	316	140	0.67	6.18	2.26

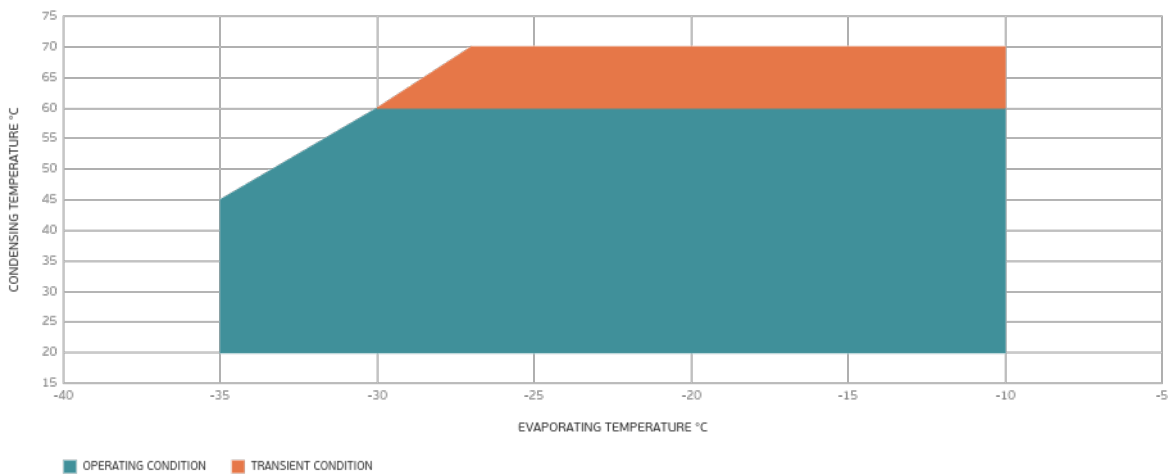
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

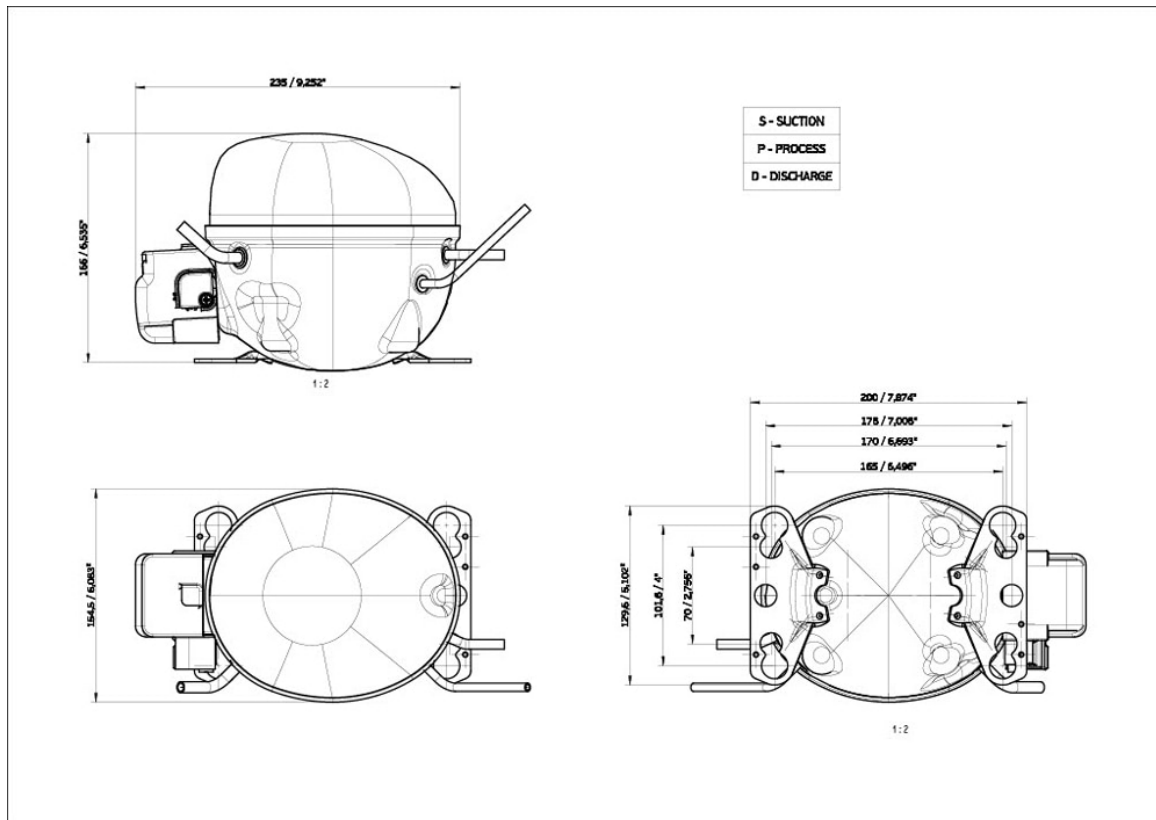
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	74	74	0.4	1.42	0.99
-30	103	88	0.45	1.99	1.17
-25	139	103	0.51	2.69	1.35
-20	183	118	0.58	3.56	1.55
-15	237	134	0.64	4.62	1.77
-10	302	151	0.72	5.90	2

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

