

APPROVALS



ENGINEERING CODE
513701416

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
238 W (LBP)

EFFICIENCY
1.64 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.36 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	25.1 Ω at 25° C
Run Winding Resistance	11.15 Ω at 25° C
Locked Rotor Amperage (LRA)	6.8 A
Rated Load Amperage (RLA) at 50 Hz	1.15 A
Rated Load Amperage (RLA) at 60 Hz	1.1 A

Mechanical Data

Oil Charge	230 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	10.32 Kg

Electrical Components

	Description
Starting Device	MSC34X 220V
Motor Protection	MSC34A49H3

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	8.2 mm	Slanted/Copper
Discharge	4.94 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	238 W	145 W	0.97 A	4.61 kg/h	1.64 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	121	147	0.71	2.69	0.82
-30	178	162	0.8	3.79	1.09
-25	241	176	0.89	5.03	1.37
-20	314	189	0.96	6.47	1.66
-15	399	200	1.03	8.14	2
-10	497	208	1.09	10.09	2.39

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	120	96	0.64	2.32	1.26
-30	176	117	0.78	3.40	1.5
-25	240	138	0.91	4.65	1.74
-20	314	159	1.04	6.11	1.98
-15	402	178	1.18	7.83	2.25
-10	503	197	1.3	9.85	2.55

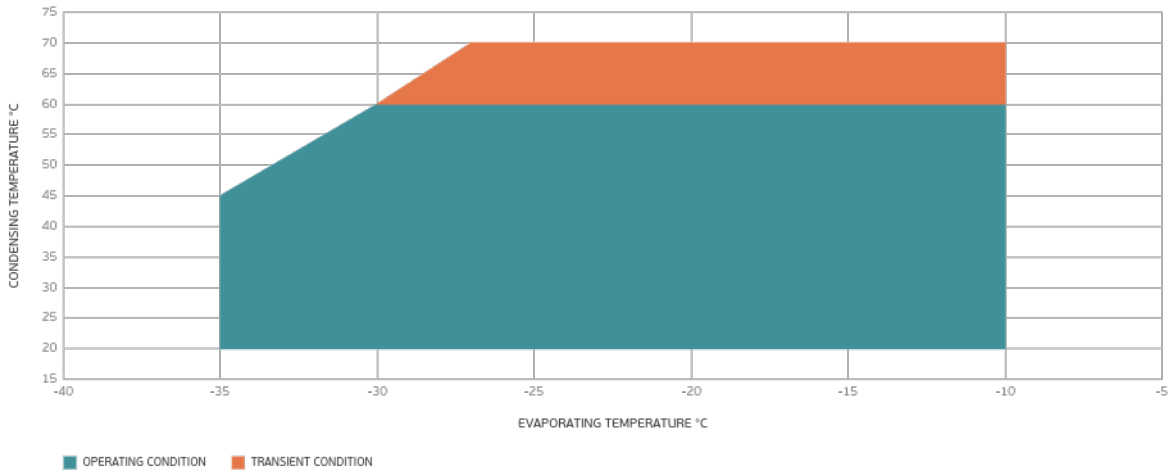
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	95	85	0.58	1.83	1.11
-30	148	110	0.74	2.87	1.35
-25	212	136	0.91	4.10	1.56
-20	287	163	1.09	5.57	1.76
-15	375	189	1.26	7.32	1.98
-10	480	216	1.44	9.38	2.22

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

