

APPROVALS



ENGINEERING CODE
513701300

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
202 W (LBP)

EFFICIENCY
1.6 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.56 cm ³
Compressor Cooling	Static/Controlled/220
Expansion Device	Capillary Tube
Horse Power	1/5 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	24.9 Ω at 25° C
Run Winding Resistance	17.9 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	9.97 Kg

Electrical Components

	Description
Motor Protection	4TM739KFBYY-53
Starting Device	Relay 213516531

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	202 W	126 W	1 A	3.91 kg/h	1.6 W/W

Test Condition: ASHRAELBP32, Static/Controlled/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	124	87	0.94	2.39	1.42
-30	170	101	0.96	3.29	1.68
-25	224	115	0.97	4.34	1.95
-20	289	128	0.99	5.61	2.26
-15	367	140	1.01	7.15	2.62
-10	461	152	1.03	9.03	3.04

Test Condition: ASHRAELBP32, Static/Controlled/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	104	84	0.95	2.00	1.23
-30	149	102	0.97	2.88	1.46
-25	203	120	0.98	3.93	1.69
-20	268	138	1	5.20	1.94
-15	347	156	1.02	6.76	2.22
-10	442	173	1.05	8.65	2.55

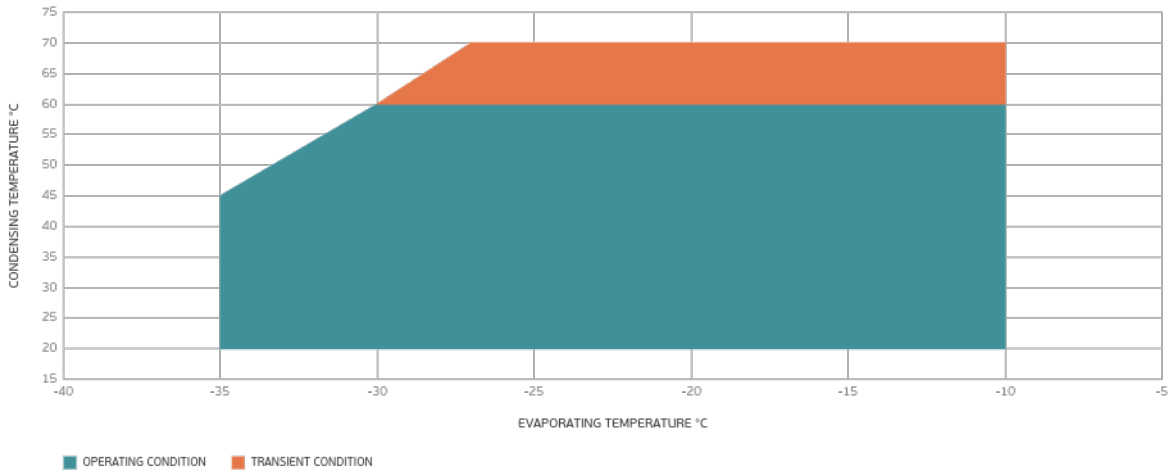
Test Condition: ASHRAELBP32, Static/Controlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	83	75	0.95	1.60	1.11
-30	127	96	0.97	2.45	1.32
-25	180	118	0.99	3.49	1.52
-20	244	141	1.02	4.75	1.74
-15	324	164	1.05	6.31	1.97
-10	420	188	1.08	8.22	2.24

Test Condition: ASHRAELBP32, Static/Controlled/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

