



APPROVALS



ENGINEERING CODE
513305075

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
149 W (LBP)

EFFICIENCY
1.38 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
Horse Power	1/6 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	21.78 Ω at 25° C
Run Winding Resistance	22.22 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	7.68 Kg

Electrical Components

	Description
Run Capacitor	5
Motor Protection	4TM213PFBYY-53
Starting Device	PTC 8EA17C3 QPS2-A22MD3

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	149 W	107 W	0.64 A	2.88 kg/h	1.38 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	84	77	0.55	1.63	1.1
-30	118	87	0.58	2.28	1.35
-25	159	98	0.61	3.09	1.63
-20	209	109	0.64	4.07	1.92
-15	268	119	0.67	5.22	2.26
-10	336	128	0.71	6.57	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	74	77	0.55	1.44	0.97
-30	106	88	0.58	2.06	1.21
-25	147	101	0.61	2.84	1.45
-20	195	114	0.65	3.80	1.71
-15	254	128	0.7	4.94	1.98
-10	321	141	0.75	6.27	2.28

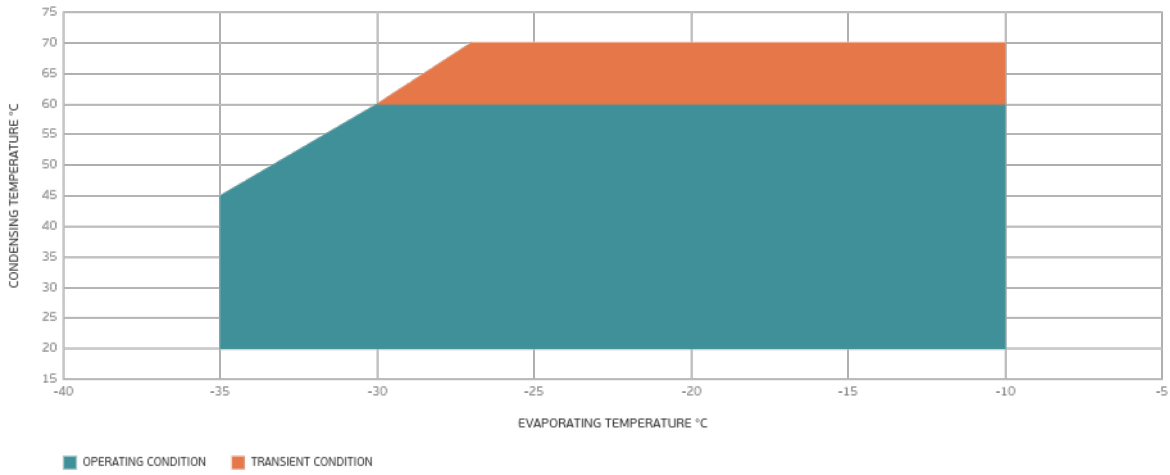
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	64	76	0.55	1.24	0.84
-30	94	89	0.58	1.82	1.07
-25	133	102	0.62	2.57	1.3
-20	180	118	0.67	3.49	1.53
-15	237	134	0.73	4.61	1.77
-10	303	150	0.79	5.92	2.01

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

