



APPROVALS



ENGINEERING CODE
513301691

APPROVED REFRIGERANT
R-290

POWER SUPPLY
115-127 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
344 W (LBP)

EFFICIENCY
1.74 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.89 cm ³
Compressor Cooling	Fan/NotControlled/115
Expansion Device	Capillary Tube
Horse Power	1/3 hp
Power Supply	115-127 V 60 Hz
Evaporating Temperature Range	-35 °C to 0 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	6.4 Ω at 25° C
Run Winding Resistance	2.74 Ω at 25° C
Locked Rotor Amperage (LRA)	26.7 A
Rated Load Amperage (RLA) at 60 Hz	3 A

Mechanical Data

Oil Charge	150 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	6.8 Kg

Electrical Components

	Description
Starting Device	PTC 8EA14C3 QPS2-A4R7MD3
Motor Protection	4TM445NFBYY-53
Run Capacitor	12

External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	6.5 mm	Straight/Copper
Discharge	6.5 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	343 W	197 W	1.89 A	3.49 kg/h	1.74 W/W

Test Condition: ASHRAELBP32, Fan/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	225	133	1.37	2.27	1.69
-30	295	154	1.53	2.98	1.91
-25	375	174	1.69	3.81	2.16
-20	467	192	1.84	4.75	2.43
-15	569	207	1.97	5.81	2.75
-10	681	219	2.09	6.99	3.11
-5	805	227	2.17	8.30	3.54
0	938	231	2.21	9.74	4.06

Test Condition: ASHRAELBP32, Fan/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	199	139	1.42	2.01	1.44
-30	266	161	1.59	2.69	1.65
-25	344	184	1.77	3.49	1.87
-20	434	206	1.95	4.42	2.11
-15	535	226	2.12	5.47	2.37
-10	648	244	2.28	6.65	2.65
-5	772	260	2.42	7.96	2.97
0	907	272	2.53	9.42	3.34

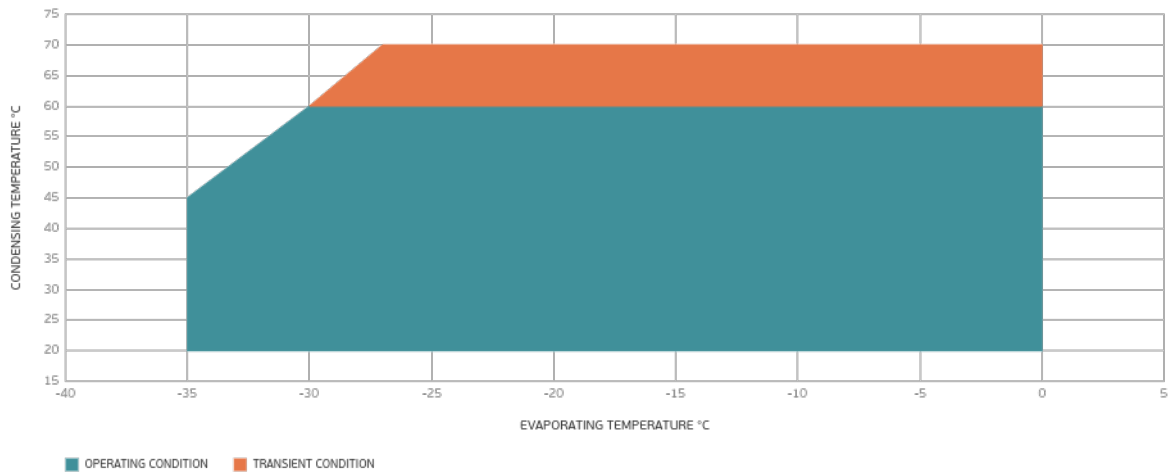
Test Condition: ASHRAELBP32, Fan/NotControlled/115, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	176	139	1.42	1.77	1.27
-30	238	163	1.61	2.41	1.46
-25	313	189	1.82	3.18	1.66
-20	401	214	2.03	4.08	1.87
-15	500	239	2.25	5.11	2.09
-10	612	264	2.47	6.28	2.32
-5	735	287	2.67	7.59	2.57
0	871	307	2.85	9.04	2.84

Test Condition: ASHRAELBP32, Fan/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

