



APPROVALS



ENGINEERING CODE
513301688

APPROVED REFRIGERANT
R-290

POWER SUPPLY
115-127 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
215 W (LBP)

EFFICIENCY
1.72 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3.97 cm ³
Compressor Cooling	Fan/NotControlled/115
Expansion Device	Capillary Tube
Horse Power	1/5 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	6.72 Ω at 25° C
Run Winding Resistance	5.08 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
Run Capacitor	12
Motor Protection	4TM319NFBYY-53

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	215 W	125 W	1.15 A	2.18 kg/h	1.72 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	143	87	0.84	1.44	1.64
-30	188	100	0.94	1.90	1.88
-25	239	112	1.04	2.43	2.14
-20	300	123	1.14	3.05	2.43
-15	368	133	1.22	3.76	2.77
-10	447	141	1.29	4.59	3.18
-5	537	146	1.34	5.54	3.69
0	639	147	1.36	6.63	4.35

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	124	89	0.85	1.25	1.4
-30	167	103	0.96	1.69	1.63
-25	217	117	1.08	2.21	1.86
-20	276	132	1.2	2.81	2.1
-15	345	146	1.32	3.52	2.37
-10	423	158	1.43	4.34	2.67
-5	513	169	1.53	5.29	3.04
0	615	177	1.61	6.38	3.47

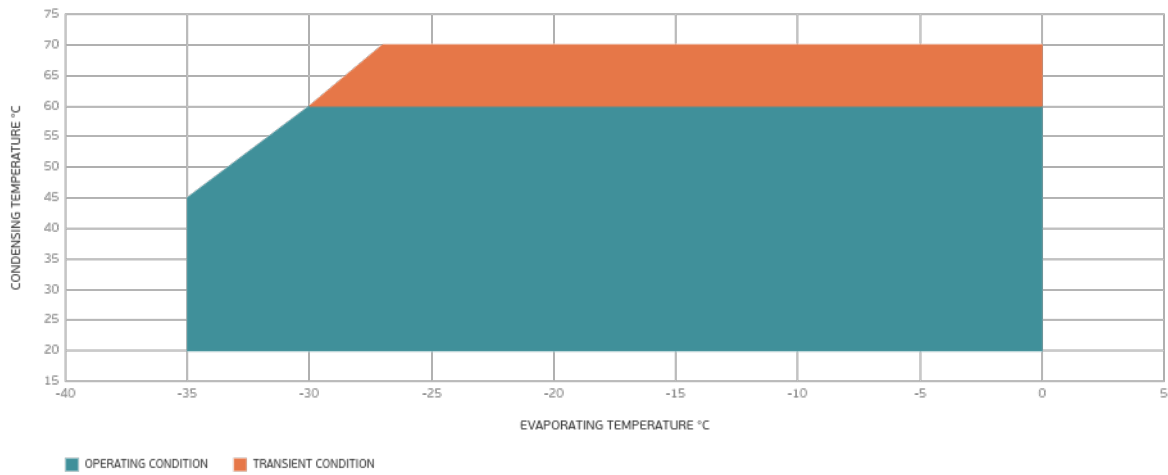
Test Condition: ASHRAELBP32, Fan/NotControlled/115, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	106	88	0.85	1.07	1.2
-30	146	103	0.97	1.48	1.43
-25	195	119	1.1	1.98	1.64
-20	252	136	1.25	2.56	1.85
-15	319	154	1.4	3.26	2.07
-10	397	171	1.55	4.07	2.32
-5	486	188	1.69	5.01	2.59
0	588	202	1.83	6.10	2.91

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

