



APPROVALS



ENGINEERING CODE
513307374

APPROVED REFRIGERANT
R-290

POWER SUPPLY
115-127 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
286 W (LBP)

EFFICIENCY
1.37 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.99 cm ³
Compressor Cooling	Fan/NotControlled/115
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Power Supply	115-127 V 60 Hz
Evaporating Temperature Range	-35 °C to -5 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	8.2 Ω at 25° C
Run Winding Resistance	2.65 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.34 A

Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO32
Weight	7.67 Kg

Electrical Components

	Description
Starting Device	Relay 213514121
Motor Protection	MSP36ALZ-5590

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Straight/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.1 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	286 W	209 W	3.09 A	2.90 kg/h	1.37 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	181	155	2.89	1.83	1.17
-30	231	170	2.93	2.34	1.36
-25	292	184	2.98	2.97	1.59
-20	365	198	3.05	3.72	1.85
-15	451	211	3.12	4.61	2.14
-10	549	224	3.2	5.63	2.45
-5	659	237	3.28	6.80	2.79

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	173	161	2.91	1.75	1.08
-30	221	178	2.96	2.23	1.24
-25	280	195	3.02	2.84	1.43
-20	350	212	3.1	3.56	1.65
-15	432	229	3.19	4.42	1.88
-10	527	247	3.29	5.41	2.14
-5	635	264	3.4	6.55	2.4

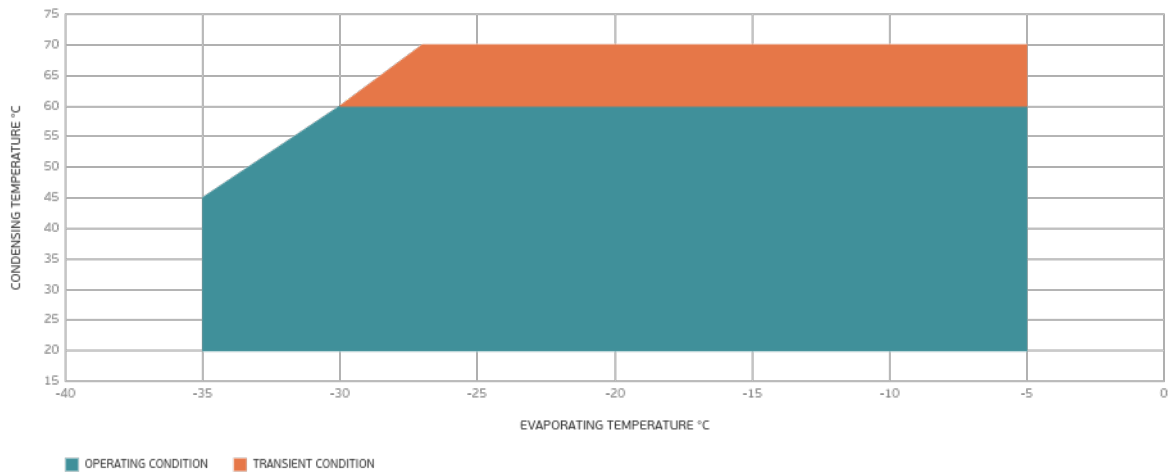
Test Condition: ASHRAELBP32, Fan/NotControlled/115, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	162	163	2.92	1.63	0.99
-30	207	183	2.98	2.10	1.13
-25	263	203	3.06	2.67	1.3
-20	331	223	3.16	3.36	1.48
-15	410	244	3.27	4.19	1.68
-10	501	265	3.4	5.14	1.89
-5	605	287	3.53	6.24	2.11

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

