

APPROVALS



ENGINEERING CODE
513200860

APPROVED REFRIGERANT
R-290

POWER SUPPLY
220-240 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
394 W (LBP)

EFFICIENCY
1.56 W/W (LBP)

MOTOR TYPE
CSIR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.76 cm ³
Compressor Cooling	Fan/NotControlled/240
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/3 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-35 °C to -5 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	8.2 Ω at 25° C
Run Winding Resistance	7.4 Ω at 25° C

Mechanical Data

Oil Charge	280 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO32
Weight	11.18 Kg

Electrical Components

	Description
Starting Device	Relay 213516043*
Motor Protection	4TM757LFBYY-53
Start Capacitor	145-175 Uf / 280 V

External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	8.2 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	394 W	252 W	1.66 A	4.00 kg/h	1.56 W/W

Test Condition: ASHRAELBP32, Fan/NotControlled/240, 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	263	177	1.53	2.65	1.48
-30	329	195	1.56	3.33	1.69
-25	408	213	1.6	4.14	1.92
-20	500	230	1.65	5.09	2.17
-15	609	247	1.68	6.23	2.47
-10	736	263	1.72	7.56	2.8
-5	884	277	1.74	9.13	3.19

Test Condition: ASHRAELBP32, Fan/NotControlled/240, 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	247	189	1.54	2.49	1.31
-30	310	210	1.57	3.14	1.48
-25	387	232	1.62	3.92	1.67
-20	477	253	1.67	4.86	1.88
-15	585	275	1.73	5.97	2.13
-10	711	296	1.78	7.30	2.4
-5	858	316	1.83	8.85	2.72

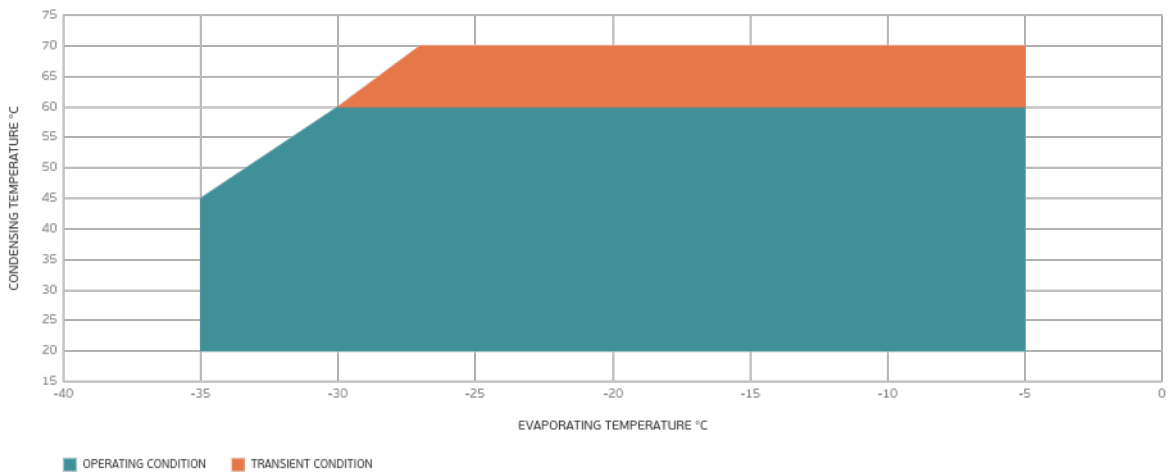
Test Condition: ASHRAELBP32, Fan/NotControlled/240, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	231	192	1.55	2.33	1.2
-30	291	217	1.59	2.95	1.34
-25	364	244	1.64	3.70	1.5
-20	453	270	1.71	4.60	1.67
-15	557	297	1.78	5.70	1.88
-10	682	324	1.85	7.00	2.1
-5	828	350	1.93	8.54	2.36

Test Condition: ASHRAELBP32, Fan/NotControlled/240, 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

