

EMC3134U



ENGINEERING CODE
513301747



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50-60
Hz



APPLICATION
L/MBP



MOTOR TYPE
RSCR



STANDARD
ASHRAE



COOLING CAPACITY
398 W



EFFICIENCY
1.76 W/W

DATA

GENERAL DATA

Model	EMC3134U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	LST
Plant	MEXICO

ELECTRICAL DATA

Start Winding Resistance	13.76 Ω at 25°C
Run Winding Resistance	7.62 Ω at 25°C

MECHANICAL DATA

Displacement	7.95 cm³
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Overload Protection	4TM319NFBYY-53

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	150 g
Refrigerant Temperature	Dew

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
54.4	-23.3	398	1.76	226	1.32	4.04
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.						

PERFORMANCE CURVE

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	263	1.63	162	1.09	2.65
-30	332	1.84	180	1.15	3.36
-25	415	2.10	198	1.21	4.21
-20	515	2.39	216	1.27	5.24
-15	631	2.72	232	1.33	6.45
-10	764	3.11	246	1.38	7.84
-5	915	3.57	256	1.43	9.44
0	1084	4.12	263	1.48	11.25
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

PERFORMANCE CURVE

Condensing Temperature 45°C

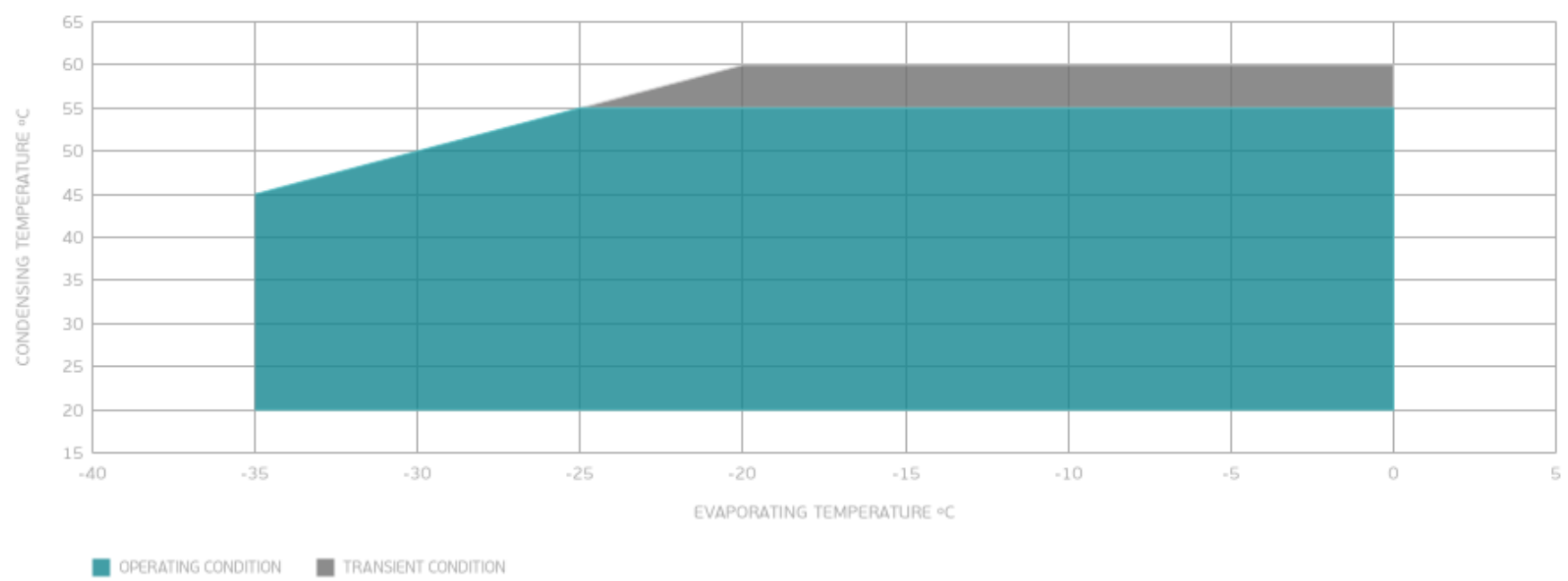
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	247	1.47	168	1.10	2.49
-30	313	1.67	188	1.18	3.17
-25	394	1.88	210	1.25	4.00
-20	491	2.11	233	1.33	4.99
-15	603	2.36	256	1.41	6.16
-10	732	2.64	278	1.50	7.51
-5	878	2.95	298	1.58	9.06
0	1043	3.29	316	1.66	10.82
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	366	1.68	218	1.29	3.72
-20	459	1.88	244	1.39	4.67
-15	568	2.08	273	1.49	5.80
-10	692	2.30	302	1.59	7.10
-5	834	2.52	331	1.70	8.60
0	993	2.77	359	1.81	10.30
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

ENVELOPE



EXTERNAL DIMENSIONS

