

EMC3134U



**ENGINEERING CODE**  
7110A52

**REFRIGERANT**  
R-290

**POWER SUPPLY**  
220-240 V 50 Hz

**APPLICATION**  
L/MBP

**MOTOR TYPE**  
RSCR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
249 W

**EFFICIENCY**  
1.45 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	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	13.3 Ω at 25°C
Run Winding Resistance	9.25 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	10.3 A

## MECHANICAL DATA

Displacement	7.95 cm <sup>3</sup>
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO10
Weight	8.2 Kg

## ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Overload Protection	T0480/07

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 0° UP + 45° TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	249	1.45	172	-	2.86

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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	264	1.61	164	-	2.90
-30	328	1.84	178	-	3.61
-25	406	2.09	194	-	4.48
-20	499	2.37	211	-	5.53
-15	609	2.68	227	-	6.78
-10	737	3.05	242	-	8.25
-5	883	3.48	253	-	9.95
0	1048	4.01	261	-	11.90

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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	233	1.31	178	-	2.80
-30	289	1.49	194	-	3.49
-25	358	1.68	213	-	4.34
-20	440	1.89	233	-	5.36
-15	537	2.11	255	-	6.57
-10	649	2.36	275	-	7.99
-5	778	2.65	293	-	9.64
0	923	2.99	308	-	11.54

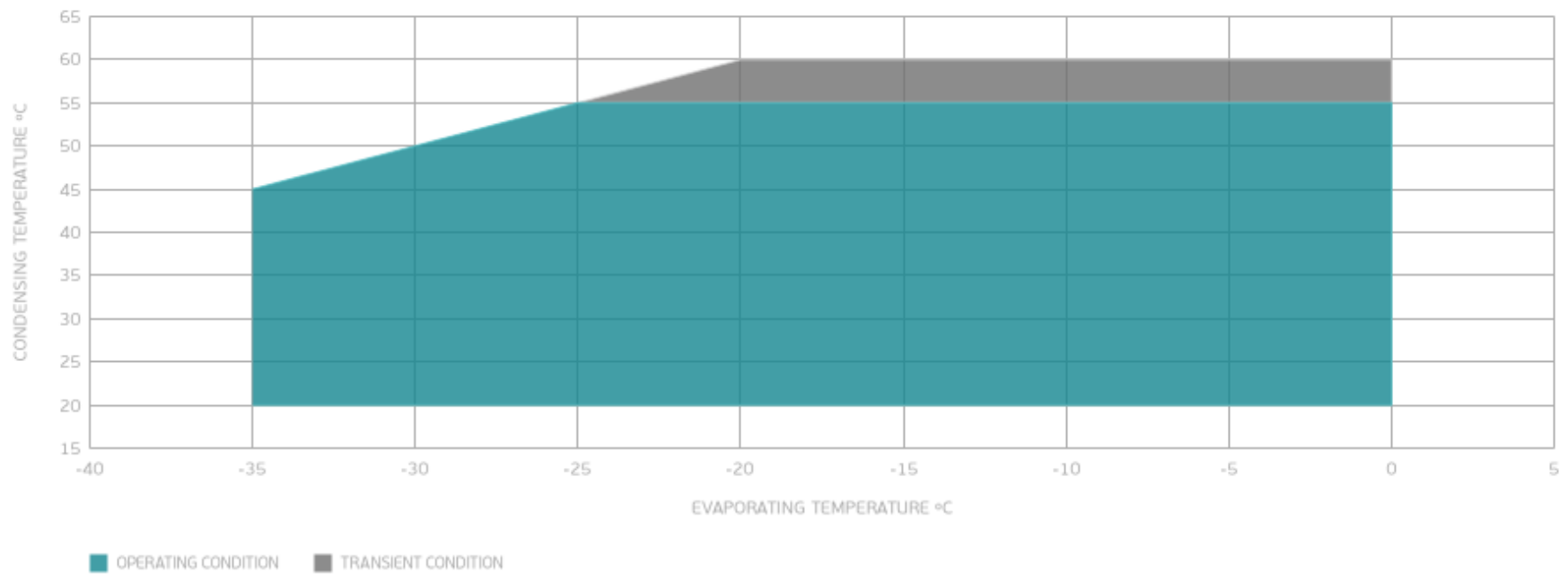
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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	306	1.39	220	-	4.13
-20	377	1.54	245	-	5.11
-15	460	1.70	271	-	6.28
-10	557	1.88	296	-	7.66
-5	668	2.08	321	-	9.26
0	794	2.31	343	-	11.09

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

## ENVELOPE



## EXTERNAL DIMENSIONS

