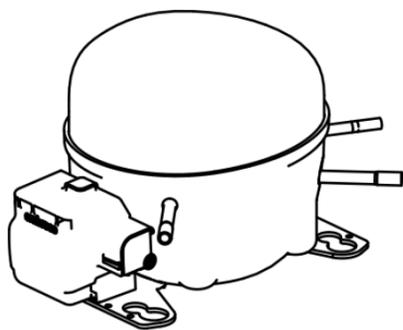


EMY3111Z



**ENGINEERING CODE**  
171BA77



**REFRIGERANT**  
R-134a



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



**APPLICATION**  
L/MBP



**MOTOR TYPE**  
RSIR



**STANDARD**  
ASHRAE



**COOLING CAPACITY**  
127 W



**EFFICIENCY**  
1.38 W/W



DATA

GENERAL DATA

Model	EMY3111Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/8
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	16.55 Ω at 25°C
Run Winding Resistance	25.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	5 A

## MECHANICAL DATA

Displacement	4.53 cm <sup>3</sup>
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO10
Weight	7.7 Kg

## ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	V230
Overload Protection	AE64FS

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.94 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 46°	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	250 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	127	1.38	92	0.64	2.46

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	71	1.17	61	0.56	1.38
-30	98	1.39	71	0.59	1.90
-25	133	1.65	81	0.61	2.58
-20	177	1.95	91	0.64	3.43
-15	229	2.27	101	0.67	4.46
-10	289	2.62	110	0.70	5.66
-5	359	2.99	120	0.73	7.05
0	437	3.39	129	0.76	8.63

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	65	1.05	62	0.57	1.26
-30	91	1.24	73	0.60	1.76
-25	124	1.46	85	0.63	2.41
-20	166	1.69	98	0.67	3.23
-15	217	1.94	112	0.71	4.22
-10	276	2.18	126	0.76	5.39
-5	343	2.44	141	0.81	6.74
0	420	2.69	156	0.87	8.28

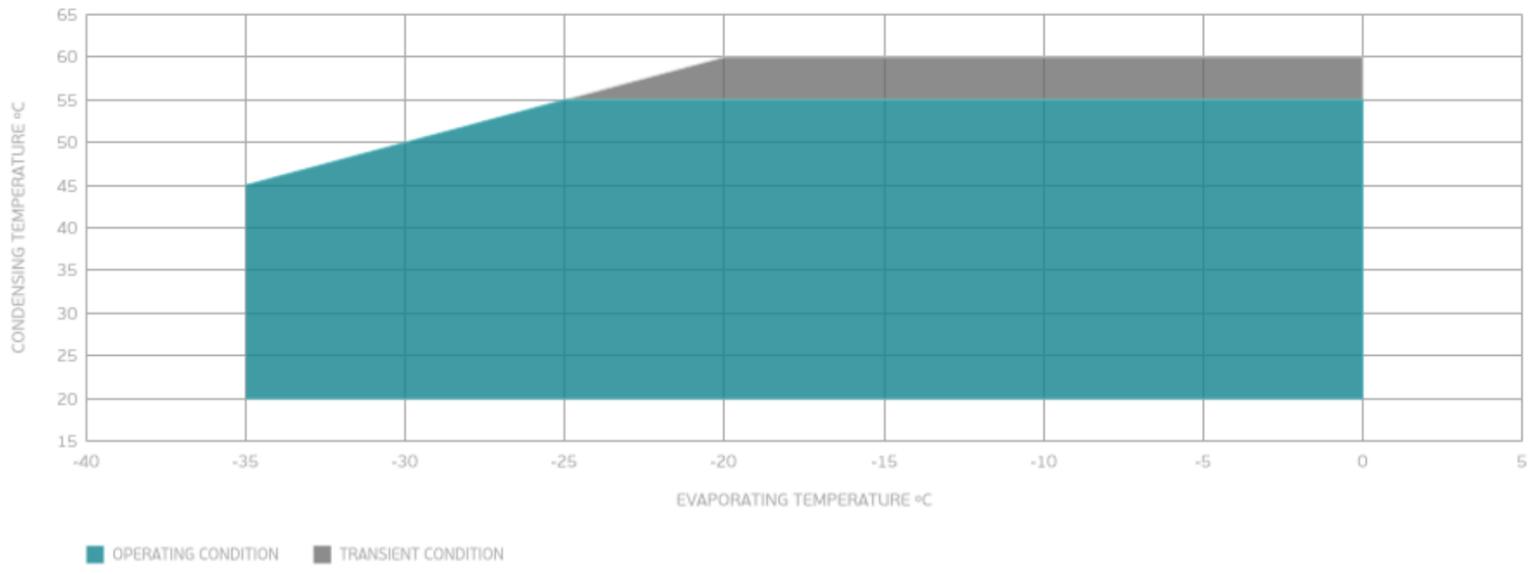
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	113	1.30	87	0.63	2.20
-20	153	1.49	103	0.67	2.98
-15	202	1.69	119	0.73	3.93
-10	258	1.88	138	0.79	5.06
-5	324	2.06	157	0.86	6.36
0	398	2.24	178	0.94	7.86

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

