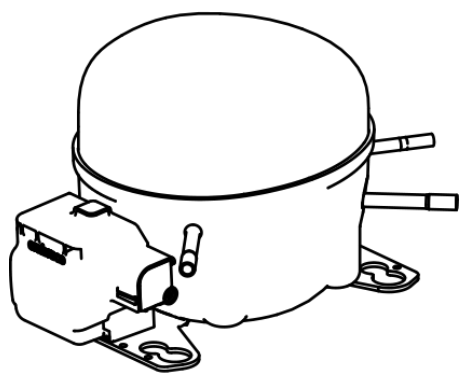


EMC3119U



**ENGINEERING CODE**  
711KA52



**REFRIGERANT**  
R-290



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



**APPLICATION**  
L/MBP



**MOTOR TYPE**  
RSCR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
128 W



**EFFICIENCY**  
1.44 W/W



DATA

GENERAL DATA

Model	EMC3119U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/4
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	15.3 Ω at 25°C
Run Winding Resistance	18.7 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	6 A

## MECHANICAL DATA

Displacement	4.53 cm <sup>3</sup>
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO10
Weight	7.4 Kg

## ELECTRICAL COMPONENTS

Run Capacitor	5.0 µf/350 V
CSR CSIR BOX	No
Starting Device Description	TSD2-220V TSD2-D-220V
Overload Protection	DRB230K52A*

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

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	128	1.44	89	0.41	1.47

Test Condition: Subcooling 0 K, Return Gas 20 °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	137	1.58	87	0.40	1.51
-30	176	1.82	97	0.45	1.94
-25	223	2.09	107	0.49	2.46
-20	278	2.40	116	0.53	3.08
-15	343	2.77	124	0.56	3.82
-10	418	3.22	130	0.59	4.67
-5	503	3.76	134	0.61	5.66
0	599	4.44	135	0.63	6.80

Test Condition: Subcooling 0 K, Return Gas 20 °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	118	1.31	90	0.41	1.42
-30	153	1.50	102	0.47	1.85
-25	195	1.70	114	0.53	2.36
-20	244	1.93	126	0.58	2.97
-15	302	2.19	138	0.63	3.69
-10	368	2.49	148	0.67	4.53
-5	444	2.84	156	0.71	5.51
0	530	3.26	163	0.74	6.63

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

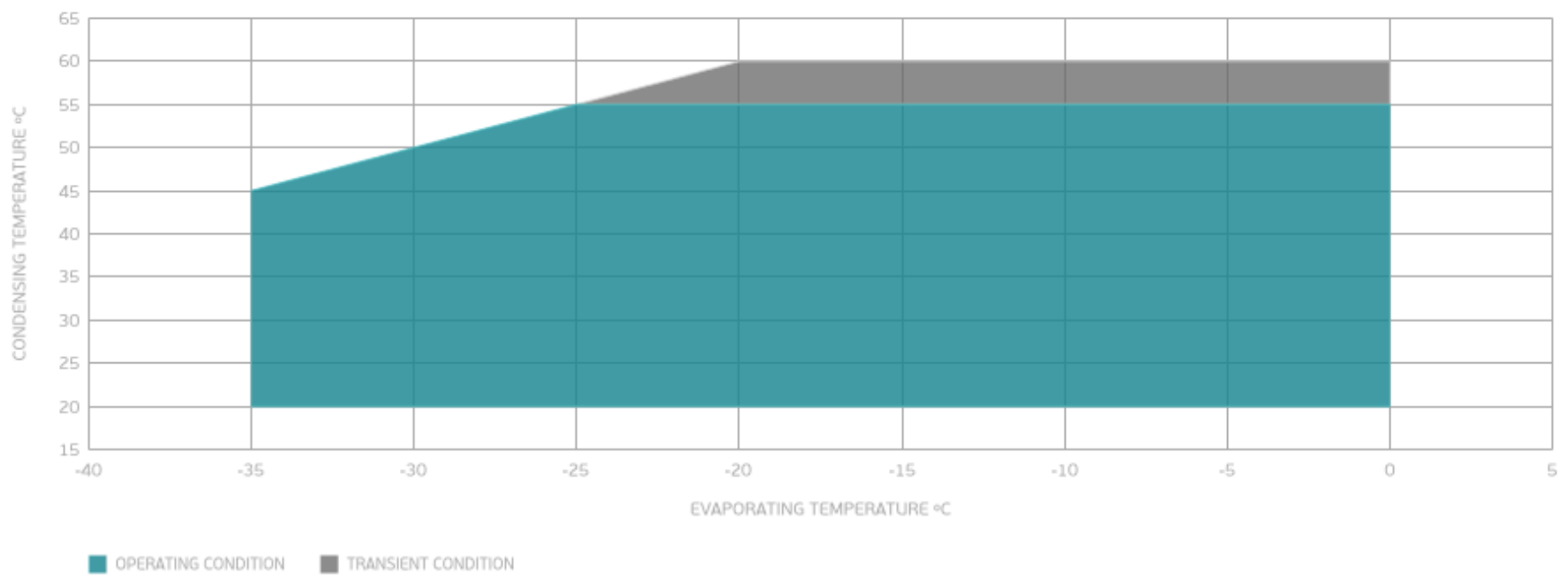
## PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	165	1.39	119	0.57	2.23
-20	209	1.57	133	0.63	2.83
-15	259	1.76	148	0.69	3.54
-10	317	1.97	161	0.75	4.36
-5	384	2.21	174	0.81	5.32
0	460	2.48	185	0.86	6.42

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

