



Ecocycle MW12

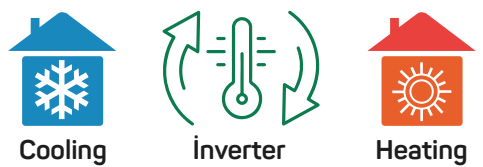
It provides passive cooling and up to 80% energy savings with the additional heat exchanger it contains. It has 2 heating modes.

In heating mode 1, it can heat **0 degrees** water from the source up to **35 degrees** and operates with a capacity of **12.30 kW** and an efficiency of **COP 4.50**. In heating mode 2, on the other hand, it can heat **10 degrees** water from the source up to **35 degrees** and works with a capacity of **16.50 kW** and an efficiency of **COP 5.84**.



Technical Specifications

Capacity	12kW
Circulation Pump	Internal
Compressor	BLDC Twin Rotary
Operating Modes	Cooling, Heating, How Water
Mixing Valve	Internal
Power Supply	380V
Reactor Coolant	R410A
Size H/W/D (mm)	710/710/1020



		Ecocycle MW-5	Ecocycle MW-7	Ecocycle MW-9	Ecocycle MW-12	
Heating	Capacity(1)	kW	3,3 - 6,9	4,3 - 9,5	5,8 - 12,0	8,0 - 16,5
	COP	60 rps	5,80	6,05	6,15	5,84
	COP	40 rps	6,16	6,30	6,76	6,44
	Operating temperatures	°C	+10/+35	+10/+35	+10/+35	+10/+35
	Capacity(2)	kW	2,4 - 5,2	3,2 - 6,96	4,3 - 9,0	6,0 - 12,3
	COP	60 rps	4,50	4,60	4,71	4,50
	COP	40 rps	4,63	4,66	4,95	4,80
	Operating temperatures	°C	0/+35			
	Max outlet water temperature	°C	61			
Passive Cooling	Operating temperatures	+10/+18				
	Minimum outlet water temperature	18				
Compressor	Brand	Mitsubishi Siam				
	Type	BLDC Twin Rotary				
	Quantity	1				
Circulation Pumps	Source side	Wilo Yonos Para HF 25/10				
	Maximum flow rate evaporator	m³/h	1,9	2,4	3,1	4,3
	Consumer side	Wilo Yonos Para RS 25/7 MW-5, MW-7 Wilo Yonos Para HF 25/10 MW-9, MW-12				
	Maximum flow rate condenser	m³/h	1,3	1,7	2,2	2,9
Dimensions	Width	cm	71			
	Depth	cm	71			
	Height	cm	102			
Electrical	Main Control Board	Siemens				
	Operator Unit	Siemens				
	Room Unit	Siemens				
Sound Level	dB(A)	39	39	40	40	
Cable Section	mm²	5x2,50	5x2,50	5x4	5x4	
Drop of Pressure	mss	3	3,8	4	5,5	
Fuse	A	16	16	25	32	
(Input-Output) Pipe Diameter	DN	25				
Voltage	V/PH/HZ	220/1/50				
Refrigerant		R410A				
Domestic Hot Water		Yes				
Low Pressure Protection System		Yes				
High Pressure Protection System		Yes				