



More Detail

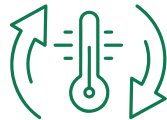
Ecocycle M12

By using the heat energy in the air, it provides energy savings up to 80% while transferring the heat to the plumbing water circulating in your house.

It has heating and cooling modes. In heating mode, it can convert 7 degrees of heat from the air into 35 degrees of water. It has a capacity of **4.18-12.1 kW** in heating mode and an efficiency of **COP 4.68**. In cooling mode, it can convert 35 degrees of heat from the air into 7 degrees of water. It has a capacity of **3.74-9.6 kW** in cooling mode and an efficiency of **COP 3.19**.



Cooling



Inverter



Heating

Technical Specifications

Capacity	12kW
Compressor	Panasonic Sanyo
Compressor Type	DC Twin Rotary
Circulation Pump	Internal
Operating Modes	Cooling, Heating, How Water
Power Supply	220V
Reactor Coolant	R32
Size H/W/D (mm)	1215/500/830



Hot Water



Weather Compensation



Ability to Work -25°C

		Ecocycle M12	Ecocycle M16
Heating A7/W35	Rated Power	4,18-12,1 kW	5,4-15,63 kW
	Rated Input Power	8,86-2,59 kW	1,1-3,27 kW
	COP(60rps)	4,68	4,72
Cooling A35/W7	Rated Power	3,74-9,6	4,6-11,8
	Rated Input Power	1,03-3,25	1,38-3,98
	COP(60rps)	3,19	3,23
Minimum-Maximum Speed	rps	60-26	74-32
Compressor	Panasonic-Sanyo		
Compressor type	DC Twin Rotary		
Compressor driver	Step		
Heat exchanger	SWEP Brazed Plate Heat Exchanger		
Fan	EBM EC		
Refrigerant	R32		
Max outlet water temperature	61°C		
Minimum outdoor operating temperature	-22°C		
Main control board	Siemens RVS 21		
User units	Siemens AVS 74		
Control Panel	Siemens QAA 74		
Electronic expansion valve	Danfoss ETS		
Dimensions	Width	1215 mm	
	Depth	500 mm	
	Height	830 mm	
Electricity	Operating voltage	220V	
	Phase	Mono	
	Maximum amperage	19 A	25 A
	Frequency	50 Hz	
Defrost type	Active-Passive		
Cooling Strategy	Active		