



Ecocycle 46

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 **2 heating, 1 cooling and 1 hot water** modes.

In heating mode 1, it can convert **7 degrees** of heat from the air to **35 degrees** water and works with a capacity of **38.01 kW** and an efficiency of **COP 4.32**. In heating mode 2, it can convert **7 degrees** of heat from the air to **45 degrees** water and works with a capacity of **36.33 kW** and an efficiency of **COP 3.38**. In cooling mode, it can convert **35 degrees** of heat from the air into **7 degrees** of water and works with a capacity of **26.75 kW** and an efficiency of **EER 2.50**. In hot water mode, it can convert **20 degrees** of heat from the air into **55 degrees** water and works with a capacity of **46.03 kW** and an efficiency of **COP 4.35**.



Technical Specifications

Capacity	46kW
Circulation Pump	External
Compressor	Panasonic Scroll
Operating Modes	Cooling, Heating, How Water
Power Supply	380-420V
Reactor Coolant	R407C
Size H/W/D (mm)	1030/953/1003
Weight (kg)	310



			Ecocycle 13	Ecocycle 26	Ecocycle 39	Ecocycle 46
Water Heating	Capacity(1)	kW	13,72	26,24	39,24	46,03
	Power	kW	3,3	6,2	9,16	10,58
	COP(1)	W/W	4,15	4,2	4,28	4,35
Heating	Capacity(2)	kW	12,32	21,93	31,67	38,01
	Power	kW	2,9	5,1	7,4	8,8
	COP(2)	W/W	4,25	4,3	4,28	4,32
	Capacity(3)	kW	12,02	20,44	30,04	36,33
	Power	kW	3,70	6,1	9,05	10,75
	COP(3)	W/W	3,25	3,35	3,32	3,38
	Operating temperature	°C	-10/45			
Max outlet water temperature	°C	56				
Cooling	Capacity(4)	kW	9,28	15,53	22,39	26,75
	Power	kW	3,67	6,06	8,99	10,7
	EER	W/W	2,53	2,56	2,49	2,5
	Operating temperature	°C	+24/+43			
	Minimum outlet water temperature	°C	5			
Compressor	Type	Scroll				
	Refrigerant	R407C				
	Quantity	1				
Heat exchanger	Type	Braze Plate Heat Exchanger				
Fan	Type	Axial				
	Brand Name	Rosenberg				
	Fan Speed	915-1015 rpm	620-850 rpm	670-880 rpm		
	Sound Level	52 dB	55 dB	58 dB		
	Fan Power	220-270 W	460-550 W	521-600 W		
	Dimensions	Width	cm	71.7	92.7	102.7
Depth		cm	75.3	80.3	95.3	95.3
Height		cm	80.3	100.3	100.3	100.3
Weight		kg	135	21	27	31
Wolume	dBA	62	64	68	68	
Circulation Pump	m³	2,5	4	6	6,5	
Device Pressure Loss	Kpa	30	40	50	55	
Cable Section	m²	5x2.5	5x4	5x4	5x4	
Fuse	A	20		40		
(Input-Output) Pipe Diameter	1 1/4"					
Voltagge	V/PH/HZ	380/3/50				
Additional Heater	Optional					
Automatic Defrost	Yes					
Low Pressure Protection System	Yes					
High Pressure Protection System	Yes					
(1): Heating Power A20/W15-55 (EN14511). Outer air temperature DT 20 °CWT 15 °C						
(2): Heating Power A7/W35-30 (EN14511). Outer air temperature DT 7 °CWT 6 °C						
(3): Heating Power A7/W45-40 (EN14511). Outer air temperature DT 7 ° CWT 6 °C						
(4): Cooling Power A35/W7-12 (EN14511). Outer air temperature 35 °C						