

75°C Water Outlet Temp.

Ecocycle PM series heat pumps can reach 75°C water outlet temperature by using R290 refrigerants.

-25°C Outside Working Temp.

Successfully, the PM series can operate efficiently at -25°C, maintaining high COP and reliable stability.



Ecocycle PM Series Heat Pump



Model		Ecocycle PM8	Ecocycle PM12	Ecocycle PM16
Heating-Outside Temp. (DT/WT) 7/6°C , Water Temp. (In/Out) 30/35°C				
Heating Capacity	kW	3,20-8,70	3,20-12,60	5,60-15,90
Power Input	kW	0,69-1,89	0,69-2,30	1,19-3,45
COP at 60 RPS		4,69	4,62	4,71
Cooling-Outside Temp. (DT/WT) 35/24°C , Water Temp. (In/Out) 12/7°C				
Cooling Capacity	kW	2,40-7,10	2,40-9,50	4,52-12,30
Power Input	kW	0,75-2,25	0,77-3,05	1,38-3,88
EER at 60 RPS		3,15	3,11	3,18
Compressor		GMCC		
Compressor Type		DC Twin Rotary		
Compressor Inverter Driver		SANHUA		
Heat Exchanger		SANHUA BPHE		
Fan Type		BLDC Fan Motor		
Main Control Board		Siemens POL468.65/STD		
HMI		Siemens POL895.51/STD HMI		
Circulation Pump		Wilo Para 25-130/8-75		
Refrigerant / kg		R290 / 1,15	R290 / 1,15	R290 / 1,3
GWP / CO ₂ Equivalent (ton)		3		
Max. Working Pressure	bar	31		
Min. Working Pressure	bar	0,7		
Max Outlet Water Temp.		75°C		
Outside Air Working Temp.		-25/+45°C		
Water Connection		1 1/4"		
Maximum Water Pressure Loss	kPa	25		
Circulation Pump Flow Rate	m ³ /h	2,5		
Sound Level (EN 12102)	dB(A)	56		
Dimensions				
Length	mm	1215		
Width	mm	500		
Height	mm	830		
Net Weight	kg	120	120	135
Electrical Connection				
Voltage	V	220	220	380
Phase	~	Mono		Three
Max Current	A	19	22	12
Frequency	Hz	50		