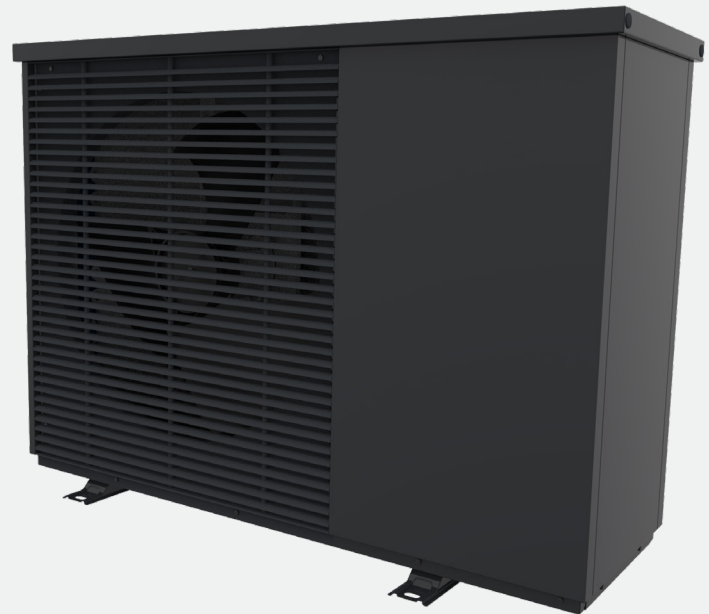




BLUE STAR

# Heat Pump **AIR TO WATER HYBRID MONOBLOC R290**



Model No: **AWHHMEP-051 &  
AWHHMEP-071**

A+++

Energy Labeling at 35°C  
Flow Temperature



Inverter Technologies for continuous  
Water Heating and Energy Efficiency



Universal Compatibility  
with any Boiler



Integrated Controls optimise  
System Performance



Reliable **Heating** at Low Ambient  
Temperature



Quiet Operation



**60 - 65°C** Water Flow Temperature



R290 **Natural Refrigerant**



Proprietary Algorithm ensures seamless  
switching between Heat Pump and Boiler



Flexible Controller for easy  
System Operation



Proprietary Defrost Logic reduces  
risk of Coil Freezing



Simplified Installation with Monobloc  
Technology

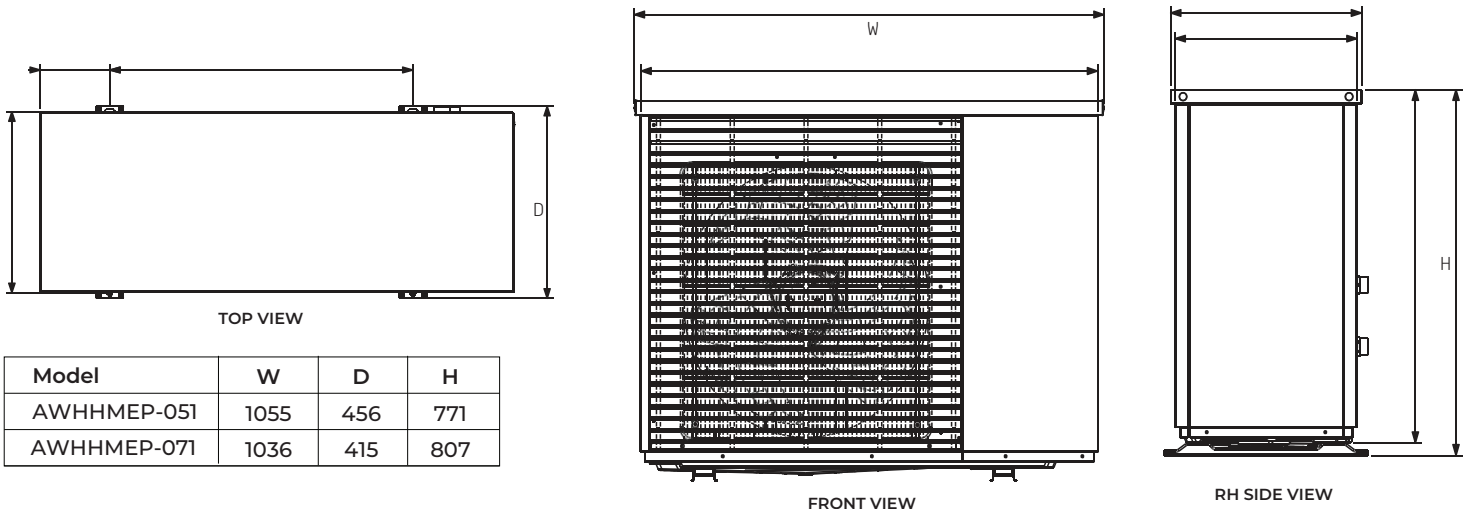
**Advanced Renewable Heating Technology**

# Product Specifications

Model	Outdoor Unit		AWHHMEP-051	AWHHMEP-071
Power Supply	V-Hz-PH		220-240/50/1P ~	220-240/50/1P ~
Refrigerant	Type		R290	R290
	Weight(kg)		0.45	0.65
Nominal Performance	Heating Condition: Outside air temperature 7°C db / 6°C db; water inlet/outlet 30°C/35°C			
	Capacity	kW	5	7.05
	Power Input	KW	1.05	1.57
	COP	KW/KW	4.76	4.5
	Energy Class(A)	A+++		
	Heating Condition: Outside air temperature 7°C db / 6°C db; water inlet/outlet 47°C/55°C			
	Capacity	kW	4.5	6.79
	Power Input	KW	1.61	2.89
	COP	KW/KW	2.79	2.35
	Energy Class(A)	A++		
Outdoor Unit	Operating Range	Cooling	+10°C to +43°C	
		Heating	-15°C to +25°C	
		Max Water Temperature	60 - 65°C	
	Compressor	Type	Inverter Twin Rotary	
		Qty	1	1
	Air side Heat Exchanger	Type	Aluminium Blue Fin ( Hydrophilic) copper tube	
	Water side Heat Exchanger	Type	Plate Heat Exchanger	
	Fan	Connection (In/Out)	1"	1"
		Type	Axial	
		Size (Dia.)	20"	22"
		Motor Type	BLDC	
	Sound power level	dB(A)	56	60
	Dimensions (Net)	Net(W x D x H) (mm)	1055 X 456 X 771	1036 X 415 X 807
	Weight (Net)	kg	80	84

Complies with eco-design regulation (EU) for heating application.

## Dimensional Drawings



For more information, please contact: BLUE STAR EUROPE B.V. / BLUE STAR NORTH AMERICA INC.  
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