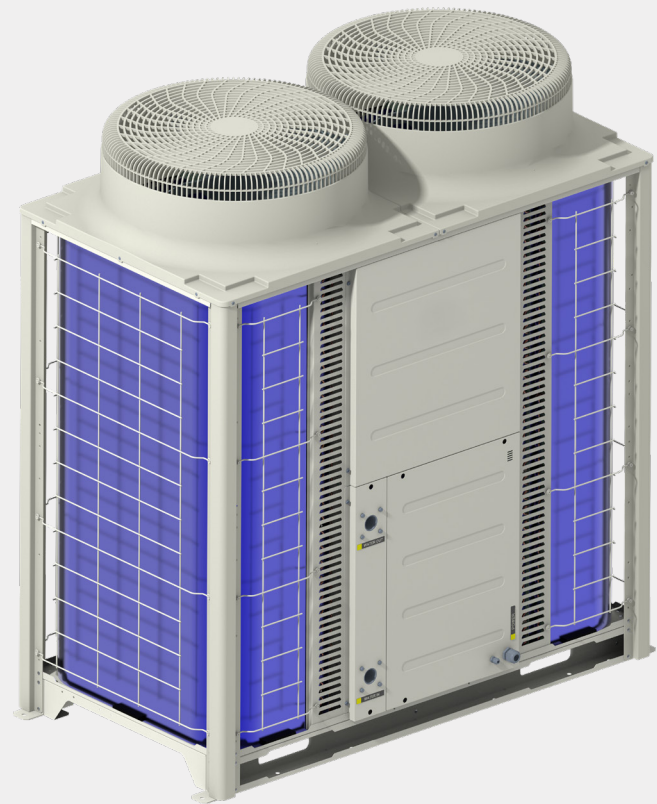




**BLUE STAR**

# Heat Pump **AIR TO WATER** **COMMERCIAL** **R290**



Model No: **CAWHMEP-503**



Unwavering reliability  
down to  $-20^{\circ}\text{C}$  ambient temperature



Hot water production up to  $75^{\circ}\text{C}$



Ultra-quiet, High performance  
variable speed EC Propeller Fan



Integrated Propane (R290) Leak Detection  
ensures immediate system shutdown.



Inverter Scroll Compressors providing  
High Seasonal efficiency



Electrical Panel with safety interlock  
and protection devices



Superior Modular Redundancy with  
Seamless Cascading Function



BMS Modbus: RS485 enables  
easy system integration.

**Advanced Renewable Heating Technology**

# Product Specifications

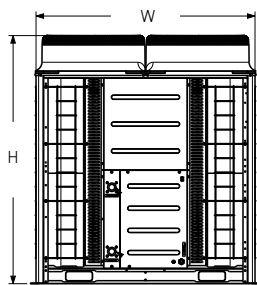
Model	Outdoor Unit	Unit	CAWHMEP-503
Power Supply		V/PH/Hz	400/3/50
Refrigerant	Type		R290
Nominal Performance	Heating Condition : Outdoor air temperature 7°C DBT 6°C WBT; in/out water temperature 30/35°C		
	Capacity	kW	49
	Power Input	KW	13.8
	COP	KW/KW	3.56
	Energy Class(A)		A++
	Heating Condition : Outdoor air temperature 7°C DBT 6°C WBT; in/out water temperature 47/55°C		
	Capacity	kW	44
	Power Input	KW	19.5
	COP	KW/KW	2.3
	Energy Class(A)		A++
	Cooling Condition : Outdoor air temperature 35°C; in/out water temperature 12/7°C		
	Capacity	kW	35.15
	Power Input	KW	12.2
	COP	KW/KW	2.88
	Cooling Condition : Outdoor air temperature 35°C; in/out water temperature 23/18°C		
	Capacity	kW	37
Power Input	KW	8.98	
COP	KW/ KW	4.12	
Outdoor Unit	Operating Range	Cooling	+10°C to +43°C
		Heating	-20°C to +35°C
		Max Water Temperature	75
	Compressor	Type	Scroll Inverter
		Qty	1
	Air Side Heat Exchanger		FTHX with Standard Coating
	Fan	Type	VFD Fan
		Size (Dia.)	26"
		Motor Type	BLDC
		Qty	2
	Water side	Type	Plate heat exchanger
	Circulation pump	Type	Optional
Sound Level	dB(A)	70-75*	
Dimension	Net(W x D x H) (mm)	1480 x 830 x 1690	

**Notes:**

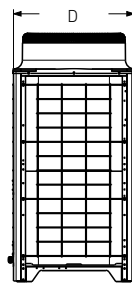
\* - Indicative values — subject to change during detailed engineering.

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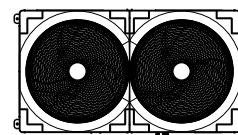
## Dimensional Drawings



FRONT VIEW



SIDE VIEW



TOP VIEW



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[in](#) /Blue Star Americas, Europe and UK

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