



Submittal Data Sheet: WMMS-12KS-V48(86)8

SYSTEM



WMMS-12KS-V48(86)8

ACCESSORIES

- MOUNTING BRACKETS
- FOOT RISERS
- COPPER/WIRE/ACC.SET
- LINESET COVERS
- WINTER WIND BAFFLE

Model No.	WMMS-12KS-V48(86)8		
Connection Pipes			
Outer Diameter Liquid Pipe	in.		1/4"
Outer Diameter Gas Pipe	in.		3/8"
Dimensions			
Indoor Unit	Shipping	in.	30 5/8" x 9 3/4" x 7 11/16"
	NET	in.	33" x 12.8" x 10.4"
Outdoor Unit	Shipping	in.	30" x 21" x 10 1/8"
	NET	in.	35.83" x 24" x 14.57"
Solar Panel	Shipping	in.	42.28" x 31.5" x 6.5"
	NET	in.	47.25" x 34.65" x 8"
Battery	Shipping	in.	25.4" x 9.65" x 19.5"
	NET	in.	7" x 12.125" x 6.7"
Weight			
Indoor Unit	Net/Gross	lbs.	15lbs 20oz / 20lbs 3oz
Outdoor Unit	Net/Gross	lbs.	99.21 / 105.82
Solar Panel	Net/Gross	lbs.	60/62
Battery	Net/Gross	lbs.	44.09 / 57.32

Job Name:		Tag #:	
Location		Date:	
General Contractor:		Mechanical Contractor:	
Sales Representative:		Sales Engineer:	
Submitted by:		Drawing #:	
Reference		PO #:	

The (86) Series All DC Mini Split Heat Pump lets you cool your home or office during the day for just pennies or even free. Designed to run completely off of solar power, it can be supplemented with grid power, when solar power can't provide all of the energy needed to run the system. When powered by batteries, it can run up to 8 hours, to keep you cool in the evening. Attached to municipal power supply, the 22 SEER high efficiency system will save money while keeping you comfortable, even when the sun isn't shining. With solar power, the (86) Series Solar system can produce a SEER rating of up to 38.

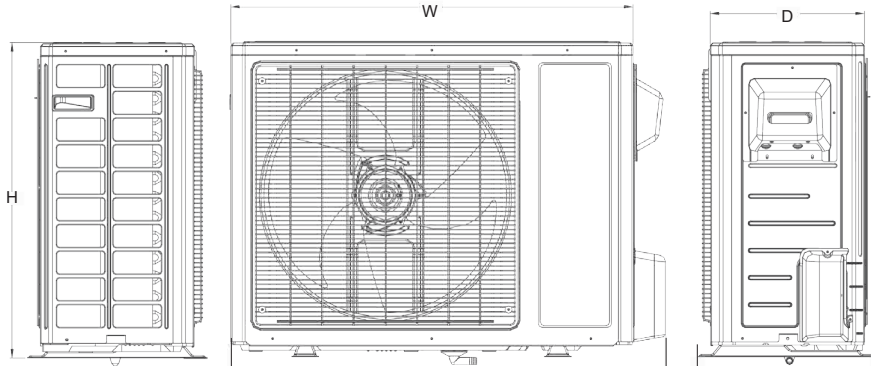
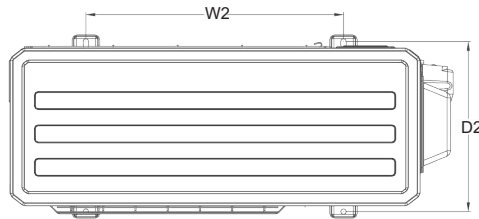
Model No.	WMMS-12KS-V48(86)8		
Outdoor Unit			WMMS-12CS-V48(86)8
Indoor Unit			WMMS-12ES-V48(86)8
Power Supply			48VDC (42V to 54V)
Input Power	V		DC 48
IDU Current/Watts	A / W		0.40A/19.2W
Performance			
Rated Capacity	Cooling	Btu/h	12000
		W	3500
	Heating	Btu/h	13000
		W	3700
Noise	Indoor	dB(A)	≤42
	Outdoor	dB(A)	≤52
Air Circulation		cfm	325
Suitable Area		ft ²	129.2~269.1
EER		W/W	3.89
		Btu/h/w	13.33
Batteries			12 VDC x 4
Battery AH(each)	AH		100 x 4
Solar panel specification			48V/200W x 4
Refrigerant			R-134a
Suggested Ambient Temperature Ranges:			
Cooling (capacities drop/discharge temperatures rise as ambient temperatures rise)		°F	35°F to 110°F
Heating (capacities/discharge temperatures drop as ambient temperatures go down)		°F	35°F to 60°F
Power Consumption			
Power Input	W		750
Input Power	V		DC48
Rated Current	A		16
Minimum Circuit Amperage	A		20
Maximum HVAC Circuit Breaker	A		25



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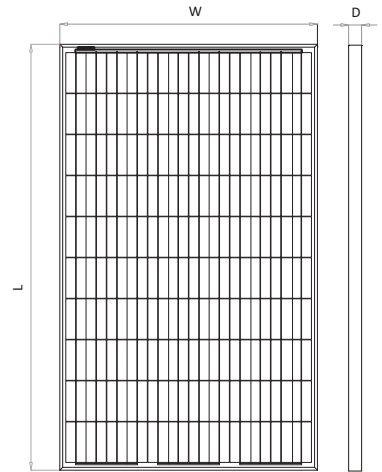
OUTDOOR UNIT

Dimensions (inches)	
W	30"
H	21"
D	10 1/8"
W2	21 1/4"
D2	11 3/8"



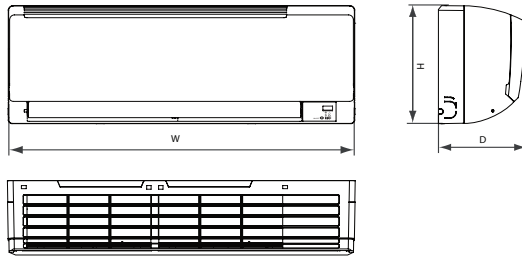
SOLAR PANEL

Dimensions (inches)	
L	42.28"
W	31.5"
D	6.5"

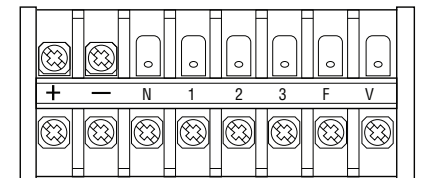


INDOOR UNIT

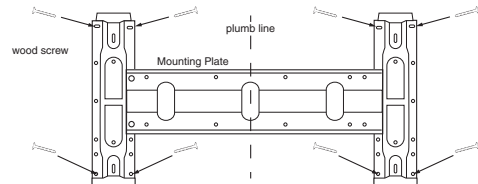
Dimensions (inches)	
W	30 5/8"
H	9 3/4"
D	7 11/16"



TERMINAL BLOCK



MOUNTING PLATE



FEATURES

- PV panel DC power. Can optionally be supplemented by municipal power. (AC to DC converter is required for alternate power source.)
- Can be run off of batteries for up to 8 hours.
- Environmentally friendly R-134a refrigerant.
- Constructed from environment friendly materials.
- Solar panel installations eligible for Federal tax credit and/or State and/or utility company's rebate/incentive programs
- Quiet and efficient heating & cooling
- LED display shows set temperature
- Motorized louver system quietly distributes air evenly
- Remote Control
- DC Inverter technology
- Wide working ambient temperature ranges
- Stylish system design
- Compact outdoor unit with side discharge
- Outdoor unit ships pre-charged.
- High quality compressors
- Durable powder coated cabinet
- Default flare brass connection valves
- Knock-outs for refrigerant pipes and wiring
- Built to UL standards
- Easy installation and maintenance

YMGI Group
 601 Arrow Ln, O'Fallon, Missouri 63366
 Phone: 1-866-833-3138
 Fax: 1-866-377-3355
 ymgigroup.com

Sales Representative or Distributor: