



ENGINEERING SUBMITTALS-

2010.08.26

WALL MOUNT MINI SPLIT (WMMS) -SINGLE ZONE –13SEER AC & HEAT PUMP W/WO HEATER-09, 12, 18, 24, 30, 36K BTU/H

Introduction

Wall mount mini split (WMMS) is one type of ductless systems YMGI manufactures. Products are designed for high performance, easy installation and service.

As the name reads, the single-zone WMMS system consists of 1 indoor unit and 1 outdoor unit. The indoor unit is hung on the wall via a wall bracket. It also comes with a remote controller as default. Line controller and wall mount thermostat controllers are optional. The outdoor unit is designed for horizontal venting, which makes condenser installation at tight place a piece of cake. Air is drawn through the coil from rear side of the unit and then discharged to the front horizontally. These units are perfect choice for apartments, condos, lofts, multi-families and high-rise buildings in residential, commercial, institutional, industrial and other applications.

With the most mini split models being developed and sold in the world, our products bring the owners and installers with a wide variety of applications and installation flexibilities.

Acoustically and thermally balanced design and systematically optimized system give each unit a healthy birth off the assembly line with quality and reliability. Each unit is fully tested with to keep unit from any possible component or system issue, while being filled with peace and satisfaction for customers all around the world.



Standard Features

- 115 or 208-230/1/60 power input
- Cooling only and/or heat pump and/or heat pump with electric heater
- Fancy central digital display
- Stylish out-looking
- Efficient and quiet operation
- Outdoor unit-horizontal vent discharge
- Outdoor unit-pre-charged.
- Efficient compressor, motor & blower
- Reliable parts



- World-class compressors-Toshiba, Sanyo, Panasonic, Danfoss, Copeland...
- High and/or low pressure switches
- Defrost control for heat pump
- Fully charged for 25' of tubing length
- Heavy powder coated cabinet
- Default flare brass connection valves
- Knock-out for ref. pipes and wires
- Built to ETL/UL/CSA/ARI standards
- Easy maintenance

System Options

- Indoor unit-IP or SI unit display
- Indoor unit-Color, HEPA filter, UV light
- Indoor unit-Control: line controller or wall mount thermostat or phone controller



- Outdoor unit-extra low ambient control kit
- Outdoor unit-hard start kit
- Outdoor unit-rust free cabinet
- Outdoor unit-pre-treated coil
- Accessories-copper line set, wire cables, copper line set cover, brackets, risers...

ENGINEERING SUBMITTALS-WMMS (SINGLE ZONE)-13SEER



Model-Thermal and Electrical Data

Model	Rated MBH	Sensible Heat Ratio	MBH @ 47F/17F	Power V/Ph/Hz	OD Motor		Compressor		Total Amps.		Without Indoor Heater-31,32B		With Indoor Heater-34B	
					FLA	HP	RLA	LRA	W/O HTR	W. HTR	MCA-1	Max. Fuse-1	MCA-2	Max. Fuse-2
09K	9.0	0.72	9.5/5.0	115 or 208-230	1/0.5	1/6	9.0/4.5	52/26	10.5/5.5	14.0/9.0	12.8/7.1	20.0/10.0	11.5	15.0
12K	12.0	0.72	12.8/6.8	208-230/1/60	1/0.5	1/6	11.8/5.9	58/29	13.3/6.9	16.8/10.4	16.3/8.7	25.0/15.0	13.5	20.0
18K	18.0	0.72	19.0/8.9		0.9	1/5	8.7	41	9.6	13.9	12.7	20.0	18.1	25.0
24K	24.0	0.71	25.0/13.7		1.0	1/4	12.0	56	13.2	18.4	16.8	25.0	23.3	30.0
30K	30.0	0.71	31.0/16.6		1.8	1/3	14.5	70	16.8	21.1	20.4	35.0	25.8	40.0
36K	36.0	0.71	37.0/18.4		1.8	1/3	17.1	86	19.4	24.6	23.7	40.0	30.2	45.0

Notes: 1) Standard cooling capacity is rated at indoor 80/67F, outdoor 95F, 25' copper pipe length with 7ft ID/OD elevation difference.
 2) Standard heat pump heating capacity is rated at indoor 70/60F, outdoor 47/43F, 25' copper pipe length with 7ft ID/OD elevation difference.

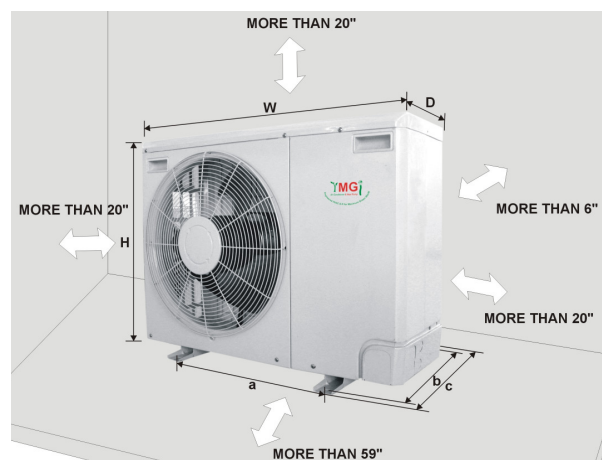
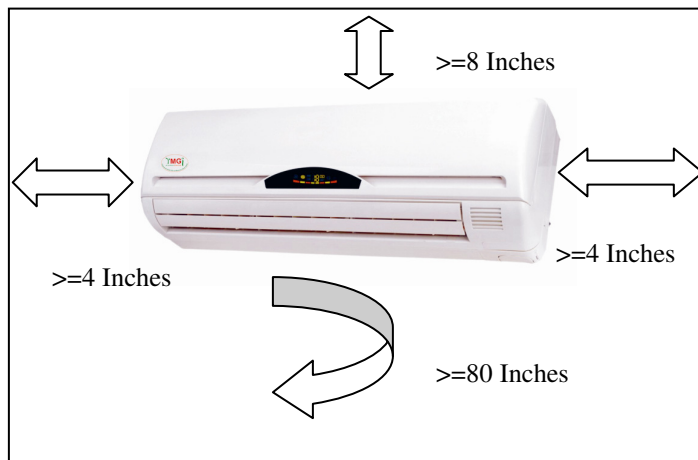
Model-Physical Data (Indoor Unit)

Model	Liq. Line	Gas Line	Wire Connections	Weight (LB)		Dimensions W x H x D (In)		Condensate Pipe	
				Net	Gross	Unit	Package	ID/OD	Length (Ft)
09K	1/4"	3/8"	Inside Control Box and/or At the Rear Side of the Indoor Unit	17	23	31x11x7	34 x 14 x 9	1/2, 3/4	5-6
12K	1/4"	1/2"		25	28	36.x 11 x 8	39 x 14.x 10		
18K	3/8"	5/8"		33	36	41 x 12 x 8	43 x 15 x 10		
24K	3/8"	5/8"		42	48	49 x 13 x 9	51 x 15 x 12		
30K	3/8"	3/4"		42	48				
36K	3/8"	3/4"		42	48				

Model-Physical Data (Outdoor Unit)

Model	Liq. Line	Gas Line	Wire Knock-out @	Weight (LB)		Dimensions W x H x D (In)		Footprint Dimensions (In)	
				Net	Gross	Unit	Package	a	b
09K	1/4"	3/8"	Refrigerant Pipe Side, Top, Close to Handle	83	90	31 x 21 x 13	35 x 23 x 13	19.9	11.1
12K	1/4"	1/2"		92	90				
18K	3/8"	5/8"		105	113	34.25x25.20x11.81	37.60 x 27.56 x 15.16	19.88	14.17
24K	3/8"	5/8"		127	136	33.27x26.77x12.40	38.78 x 30.12 x 15.75	22.05	14.37
30K	3/8"	5/8"		160	172	34.25x33.68x11.81	37.60 x 35.63 x 15.16	19.88	14.17
36K	3/8"	5/8"		206	220	38.27x37.60x13.58	41.14 x 38.39 x 16.93	25.20	16.22

Installation Clearance Requirements-Indoor and Outdoor Units



Important Notes: structure or appearance of the indoor unit and/or outdoor unit may change from time to time, for marketing purpose.

	<p>YMGI GROUP Innovative, Competitive, Efficient & Convenient</p>	<p>YMGI Group LLC POB 1559, O'Fallon, MO 63366 Toll Free Tel.: 1-866-833-3138 Toll Free Fax: 1-866-377-3355 Email: info@ymgigroup.com</p>
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