



2x09, 2x12, 2x18, 2x24, 2x30 BTU/H



13 SEER-M2

YMGI SYMPHONY-CLASSIC

Wall Mount Mini Split System-Dual Zone

- * World-class Compressors (**TOSHIBA, HITACHI, SANYO, PANASONIC**)
- * Flexible/Easy/Quick Set-up, User Friendly and Stylish Looking
- * Quiet Operation, Zone-Controlled, Energy and Cost Saving
- * Each Indoor Unit Can Run Either Cooling or Heating (For Example, Cooling in Computer Rooms, and Heating in Offices)

- * Cooling Only & Heat Pump (W or W/O Supplemental Ele. Heater)
- * Simultaneous Cooling and Heating in Any Indoor Zone
- * Re-heating in Cooling and Dehumidifying Modes
- * Tested in Field: Still Cool in Ambient Temperatures 15 °F or Below



YMGI, ENGINEERED HVAC COMFORT PRODUCTS FOR A SUSTAINABLE AND EFFICIENT GREEN WOLRD

APPLICATIONS:

- * HOMES
- * HOTELS
- * BARS
- * SUNROOMS
- * CONDOS
- * INDOOR POOL ROOMS
- * INDOOR POT GROWING ROOMS
- * COMPUTER/SERVER/COMMUNICATION ROOMS
- * APARTMENTS
- * OFFICES
- * RESTARAUNTS
- * NURSING ROOMS

FEATURES:

- * QUICK COOLING AND HEATING
- * INDEPENDENT DEHUMIDIFICATION
- * INTELLIGENT/MECHANICAL DEFROSTING
- * QUIET OPERATION
- * MULTI-FOLD EVAPORATOR
- * RANDOM PITCH CROSS FLOW FAN WHEEL
- * WIDE ANGLE AIR SPREAD
- * LONG AIR THROW
- * WASHABLE FILTER
- * RE-HEATING IN AC/DEHUMIDIFICATION MODES
- * REMOTE CONTROL
- * 24-HOUR TIMER
- * MEMORIES AND AUTO RESTART
- * SUPPLEMENTAL ELECTRIC HEATER IN COLD WEATHER-34B MODELS ONLY
- * INDOOR FAN WON'T START UNTIL COIL IS HOT ENOUGH
- * LOW AMBIENT CONTROL
- * OVER CURRENT & THERMAL PROTECTION
- * SLEEP MODE
- * ENHANCED COPPER/COIL
- * PRE-CHARGED
- * DIGITAL DISPLAY (LIGHT ON/OFF)
- * STYLISH LOOKING
- * EASY INSTALLATION
- * EASY OPERATION
- * THOROUGHLY TESTED
- * RELIABLE QUALITY

ADD-ON ACCESSORIES AND PARTS:



Wall Mount Thermostat Non-Programmable



Wall Mount Thermostat Programmable



Bracket for Outdoor Unit



Foot Riser for Outdoor Unit



Copper Lineset Covers

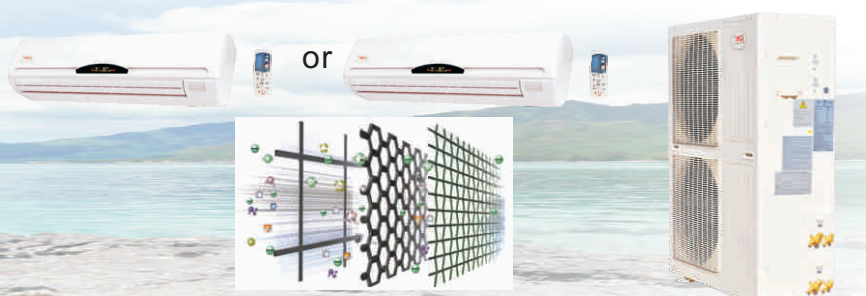


Installation Kit (Copper/Wiring Set, Piping Wrap, Wall Sleeve, Putty, Drain Hose)

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2x9,000, 2x12,000, 2x18,000, 2x24,000, 2x30,000 Btu/h
Cooling Only, Heat Pump, Heat Pump+Heater

COOLING ONLY	MODELS	SYSTEM MODEL	WMMS-2x09K-31B	WMMS-2x12K-31B	WMMS-2x18K-31B	WMMS-2x24K-31B	WMMS-2x30K-31B	WMMS-0912K-31B
		INDOOR UNIT	WMMS-09F(E)-31B	WMMS-12F(E)-31B	WMMS-18F(E)-31B	WMMS-24F(E)-31B	WMMS-30F(E)-31B	WMMS-0912F(E)-31B
OUTDOOR UNIT		WMMS-2x09C-31B	WMMS-2x12C-31B	WMMS-2x18C-31B	WMMS-2x24C-31B	WMMS-2x30C-31B	WMMS-0912C-31B	
HEAT PUMP	MODELS	SYSTEM MODEL	WMMS-2x09K-32B	WMMS-2x12K-32B	WMMS-2x18K-32B	WMMS-2x24K-32B	WMMS-2x30K-32B	WMMS-0912K-32B
		INDOOR UNIT	WMMS-09F(E)-32B	WMMS-12F(E)-32B	WMMS-18F(E)-32B	WMMS-24F(E)-32B	WMMS-30F(E)-32B	WMMS-0912F(E)-32B
		OUTDOOR UNIT	WMMS-2x09C-32B	WMMS-2x12C-32B	WMMS-2x18C-32B	WMMS-2x24C-32B	WMMS-2x30C-32B	WMMS-0912C-32B
HEAT PUMP+ELE. HEATER	MODELS	SYSTEM MODEL	WMMS-2x09K-34B	WMMS-2x12K-34B	WMMS-2x18K-34B	WMMS-2x24K-34B	WMMS-2x30K-34B	WMMS-0912K-34B
		INDOOR UNIT	WMMS-09F(E)-34B	WMMS-12F(E)-34B	WMMS-18F(E)-34B	WMMS-24F(E)-34B	WMMS-30F(E)-34B	WMMS-0912F(E)-34B
		OUTDOOR UNIT	WMMS-2x09C-32B	WMMS-2x12C-32B	WMMS-2x18C-32B	WMMS-2x24C-32B	WMMS-2x30C-32B	WMMS-0912C-32B
REF. TUBE/WIRE INS. KIT	Copper Sets, Wiring, Putty, Wall Sleeve, Wrap, Drain Hose	INST-1438-xx	INST-1412-xx	INST-3858-xx	INST-3858-xx	INST-3834-xx	INST-1438, 1412-xx	
COOLING CAPACITY	Rated ID 80/67F OD 95F	BTU/H 1), 2)	2x9000	2x12000	2x18000	2x24000	2x30000	9000+12000
HEATING CAPACITY	Rated ID 70/60F OD 47F (17F)	BTU/H 1), 2)	2x9500(5000)	2x12800(6800)	2x19000(8900)	2x25000(13700)	2x31000(16600)	9500(5000)+12800(6800)
RECOMMENDED WORKING TEMPERATURE RANGES	COOLING ID/OD (F) 3)	Indoor Side 61 to 105 / Outdoor Side 15 to 115 4) 5)						
RECOMMENDED WORKING TEMPERATURE RANGES	HEATING ID/OD (F) 3)	Indoor Side 17 to 86 / Outdoor Side 17 to 75 4) 5)						
ELECTRIC HEATER (SUP.)	HEATING BOOSTER(34B MODELS ONLY)	W(MAX)	2x800	2x1000	2x1200	2x1200	2x1500	800+1000
DEHUMIDIFICATION	RATED	PTS./H	2x3.4	2x4.6	2x6.9	2x7.6	2x8.4	3.4+4.6
SEER	RATED	BTU/H.W	13					
HSPF	RATED	BTU/H.W	9.2					
SOUND LEVEL (Actual)	INDOOR/OUTDOOR	dB(a)	2x(28-30 / 43-45)	2x(29-31 / 43-45)	2x(29-31 / 43-45)	2x(34-36 / 45-47)	2x(34-36 / 45-47)	(28-30 / 43-45)+(29-31 / 43-45)
REFRIGERANT	PRE-CHARGED FOR 25' TUBING		R410A					
POWER	FROM CIRCUIT BREAKER TO OUTDOOR TO INDOOR UNIT		B: 208-230/1/60 Indoor Unit Is Fused On Control Board					
TOTAL CURRENT	W/O HEATER (31,32 Models)	AMP	9.8	13.1	19.2	26.6	32.4	11.6
	WITH HEATER (34 Models)	AMP	16.8	21.9	29.6	37	45.4	19.5
MCA	W/O HEATER (31,32 Models)	AMP	12.6=2x6.3	17.0=2x8.5	23.6=2x11.8	32.6=2x16.3	39.6=2x19.8	15.1=6+8.5
	WITH HEATER (34 Models)	AMP	21.4=2x10.7	28.0=2x14.0	36.4=2x18.2	45.6=2x22.8	56.0=2x28.0	25.0=11.0+14.0
HVAC CIRCUIT BREAKER SIZE	W/O HEATER (31,32 Models)	AMP	20.0=2x10.0	20.0=2x10.0	40.0=2x20.0	50.0=2x25.0	60.0=2x30.0	20.0=10.0+10.0
	WITH HEATER (34 Models)	AMP	30.0=2x15.0	30.0=2x15.0	50.0=2x25.0	60.0=2x30.0	80.0=2x40.0	30.0=15.0+15.0
INDOOR FAN / MOTOR	FAN WHEEL	TYPE	Random Pitch Cross-flow					
		CFM	2x295	2x365	2x565	2x765	2x765	295+365
	MOTOR (PSC)	RATED AMP	2x0.10	2x0.20	2x0.30	2x0.40	2x0.40	0.10+0.20
OUTDOOR FAN / MOTOR	FAN	TYPE	Propeller					
		CFM	1765	2350	3530	4350	5450	2350
	MOTOR (PSC)	RATED AMP	0.60	0.90	2x0.60	2x0.90	2x1.30	0.90
		SPEED	1					
COMPRESSOR	HERMETIC	Qty	2X09K	2X12K	2X18K	2X24K	2X30K	09+12K
		BRAND	Toshiba, Hitachi, Sanyo, Panasonic					
CONNECTION (HOSE / VALVE)	DRAIN	DRAIN HOSE	Flexible 5/8"					
		REFRIGERANT	DISCHARGE VALVE	2x1/4"	2x1/4"	2x3/8"	2x3/8"	2x3/8"
ALLOWED MAXIMUM REF. PIPES	LIFT	FT	25	25	25	25	25	25
	DROP	FT	25	25	25	25	25	25
	TOTAL LENGTH	FT	2x50	2x50	2x65	2x75	2x75	2x50
WEIGHT	INDOOR-NET	LBs	2x17	2x25	2x33	2x42	2x42	17+25
	INDOOR-GROSS	LBs	2x23	2x28	2x36	2x48	2x48	23+28
	OUTDOOR-NET	LBs	112	135	200	229	257	128
	OUTDOOR-GROSS	LBs	121	145	233	266	295	138
DIMENSION W×H×D	INDOOR-NET	INCH	31x11x7	36x11x8	41x12x8	49x13x9		31x11x7+36x11x8
	INDOOR-BOX	INCH	34x13x11	39x14x11	44x15x11	52x14x13		34x13x11+39x14x11
	OUTDOOR-NET	INCH	33x28x15	35x31x17	33x48x15	37x49x17		33x28x15
	OUTDOOR-BOX	INCH	39x30x17	41x34x19	39x51x17	42x52x19		39x30x17
LOADING CAPACITY	20'/40'/40'HQ	SETS	68/145/162	50/102/115	43/85/96	33/68/76		50/102/115

Important Notes:

- Listed unit performance is rated for matched brand new system tested at standard weather conditions indoor DB/WB 80/67F outdoor DB/WB 95/75F, and standard good installation: 25' inter-connecting copper line sets, indoor unit <7' above outdoor unit, with factory pre-charged refrigerant amount, fan speed at high with no airflow restriction.
- Actual unit performance will vary from the listed, upon many factors that are different from the lab testing. Installation qualities/details matter a lot. Sample factors are: indoor unit elevation from the outdoor unit, copper tube size/length/bending, brazing, leakage checking, refrigerant contamination level, pressure checking, refrigerant charge adjustment, indoor target temperature set-up, ambient temperature changes, air filter and coil clean level, air pollution and so on.
- Installing technician or design engineer needs to check the details of the room and job site, find out local weather conditions and target cooling/heating temperatures and yearly total hours, use the right cooling/heating load calculation program to figure out the needed cooling/heating capacities, in order to select the proper type, configuration and size/model of cooling/heating equipment.
- Cooling capacities/efficiency will drop as outdoor temperatures rise in regular cooling mode in hot season. Heating capacities/efficiency will rise as outdoor temperatures rise in regular heating mode in cold season.
- If operated in extreme outdoor ambient conditions, units may run into protection code or error code and stay idle, unless conditions change or the whole system is re-powered.

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