



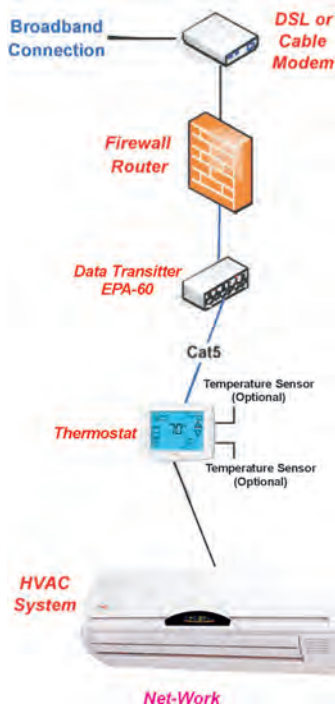
4x09, 4x12,
2x(09+12), 3x0912, 3x1209K Btu/h



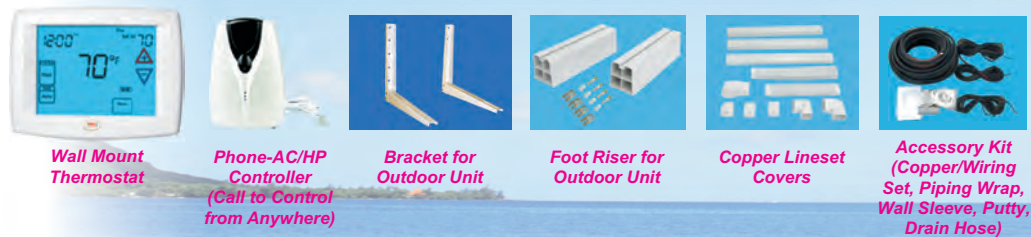
13 SEER-M2 R410A System

Wall Mount Mini Split System - Quad 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)**
- * Work Better in Hot or Cold Weather than Most of Others



Cooling Only & Heat Pump (W or W/O Supplemental Ele. Heater)



APPLICATIONS:

- * BARS
- * HOTELS
- * HOMES
- * SUNROOMS
- * CONDOS
- * RESORTS
- * FACTORIES
- * NURSING ROOMS
- * APARTMENTS
- * OFFICES
- * RESTAURANTS
- * MOBILE HOMES

FEATURES:

- * OPTIMIZED SYSTEM DESIGN
- * 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
- * REMOTE/LINE CONTROLLER
- * 24-HOUR TIMER
- * MEMORIES AND AUTO RESTART
- * SUPPLEMENTAL ELECTRIC HEATER IN COLD WEATHER-34B MODELS ONLY
- * INDOOR FAN WON'T START UNTIL COIL IS WARM/HOT ENOUGH
- * OVER CURRENT & THERMAL PROTECTION
- * SLEEP MODE
- * ENHANCED COPPER/COIL
- * PRE-CHARGED
- * DIGITAL DISPLAY
- * STYLISH LOOKING
- * EASY INSTALLATION
- * EASY OPERATION
- * THOROUGHLY TESTED
- * RELIABLE QUALITY

ADD-ON ACCESSORIES AND PARTS:

- * WALL MOUNT THERMOSTAT CAPABLE CONTROL BOARD
- * WIRELESS PHONE CONTROLLER
- * LOW AMBIENT CONTROL
- * REMOTE CONTROLLER LOCK (KEYED)
- * BRACKETS (FOR OUTDOOR UNIT)
- * FOOT RISERS (FOR OUTDOOR UNIT)
- * COPPER/WIRE/ACC.SET (ACC. KIT)
- * LINESSET COVERS
- * WINTER WIND BAFFLE

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OPTIONS AT MANUFACTURE OR AFTER SALES:

- * Rust-free Cabinet
- * Plug & Connect Valves
- * Low Ambient Control
- * Wall Mount Line Control
- * Cabled Defrost Control
- * Advanced Health Kits (HEPA/Enzyme/ Cold Catalyst, Filter, Light Wave, Or, Anion Generator)
- * Treated Coil
- * Plug & Connect Copper Line Set

4x9,000, 4x12,000, 3x9,000+12,000, 3x12,000+9,000, 2x(9,000+12,000) Btu/h
Cooling Only, Heat Pump, Heat Pump+Heater

COOLING ONLY	MODELS	SYSTEM	WMMS-4x09K-31B	WMMS-4x12K-31B	WMMS-3x0912K-31B	WMMS-3x1209K-31B	WMMS-2x(0912)K-31B	
		INDOOR UNIT	WMMS-09E(F)-31B	WMMS-12E(F)-31B	WMMS-09/12E(F)-31B	WMMS-12/09E(F)-31B	WMMS-09/12E(F)-31B	WMMS-09/12E(F)-31B
		OUTDOOR UNIT	WMMS-4x09C-31B	WMMS-4x12C-31B	WMMS-3x0912C-31B	WMMS-3x1209C-31B	WMMS-2x(0912)C-31B	WMMS-2x(0912)C-31B
HEAT PUMP	MODELS	SYSTEM	WMMS-4x09K-32B	WMMS-4x12K-32B	WMMS-3x0912K-32B	WMMS-3x1209K-32B	WMMS-2x(0912)K-32B	
		INDOOR UNIT	WMMS-09E(F)-32B	WMMS-12E(F)-32B	WMMS-09/12E(F)-32B	WMMS-12/09E(F)-32B	WMMS-09/12E(F)-32B	WMMS-09/12E(F)-32B
		OUTDOOR UNIT	WMMS-4x09C-32B	WMMS-4x12C-32B	WMMS-3x0912C-32B	WMMS-3x1209C-32B	WMMS-2x(0912)C-32B	WMMS-2x(0912)C-32B
HEAT PUMP+ELE. HEATER	MODELS	SYSTEM	WMMS-4x09K-34B	WMMS-4x12K-34B	WMMS-3x0912K-34B	WMMS-3x1209K-34B	WMMS-2x(0912)K-34B	
		INDOOR UNIT	WMMS-09E(F)-34B	WMMS-12E(F)-34B	WMMS-09/12E(F)-34B	WMMS-12/09E(F)-34B	WMMS-09/12E(F)-34B	WMMS-09/12E(F)-34B
		OUTDOOR UNIT	WMMS-4x09C-32B	WMMS-4x12C-32B	WMMS-3x0912C-32B	WMMS-3x1209C-32B	WMMS-2x(0912)C-34B	WMMS-2x(0912)C-34B
REF. TUBE/WIRE INS. KIT	Copper Sets, Wiring, Putty, Wall Sleeve, Wrap, Drain Hose	INST-1438-xx	INST-1412-xx	INST-1438, 1412-xx	INST-1438, 1412-xx	INST-1438, 1412-xx	INST-1438, 1412-xx	
COOLING CAPACITY	Rated ID 80/67F OD 95F	BTU/H 1), 2)	4x9000	4x12000	3x9000+12000	3x12000+9000	2x(9000+12000)	
HEATING CAPACITY	Rated ID 70/43F OD 47F (17F)	BTU/H 1), 2)	4x9500(5000)	4x12800(6800)	3x9500(5000)+12800(6800)	3x12800(6800)+9500(5000)	2x(9500(5000)+12800(6800))	
RECOMMENDED WORKING TEMPERATURE RANGES	COOLING ID/OD (F) 3)		Indoor Side 61 to 105 / Outdoor Side 45 to 115 4)					
RECOMMENDED WORKING TEMPERATURE RANGES	HEATING ID/OD (F) 3)		Indoor Side 17 to 86 / Outdoor Side 17 to 75 5)					
ELECTRIC HEATER (SUP.)	HEATING BOOSTER(34B MODELS ONLY)	W(MAX)	4x800	3x1000	3x800+1000	3x1000+800	2x(800+1000)	
DEHUMIDIFICATION	RATED	PTS./H	4x3.4	4x4.6	3x3.4+4.6	3x4.6+3.4	2x(3.4+4.6)	
SEER	RATED	BTU/H.W	13					
HSPF	RATED	BTU/H.W	9.2					
SOUND LEVEL (Actual)	INDOOR / OUTDOOR	dB(a)	4x(28-30 / 43-45)	4x(29-31 / 43-45)	3x(28-30 / 43-45)+(29-31 / 43-45)	3x(29-31 / 43-45)+(28-30 / 43-45)	2x(28-30 / 43-45)+(29-31 / 43-45)	
REFRIGERANT	PRE-CHARGED FOR 25' TUBING		R410A					
POWER SOURCE	FROM CIRCUIT BREAKER TO OUTDOOR TO INDOOR UNIT		208-230/1/60					
TOTAL CURRENT	W/O HEATER (31,32 Models)	AMP	19.6	26.2	21.1	24.7	23.2	
	WITH HEATER (34 Models)	AMP	33.6	43.8	36	41.4	39	
MCA	W/O HEATER (31,32 Models)	AMP	25.2=2x6.3+2x6.3	34.0=2x8.5+2x8.5	27.4=3x6.3+8.5	31.8=3x8.5+6.3	29.6=2x(6.3+8.5)	
	WITH HEATER (34 Models)	AMP	42.8=2x10.7+2x10.7	56.0=2x14+2x14	46.1=3x10.7+14.0	52.7=3x14.0+10.7	49.4=2x(10.7+14.0)	
HVAC CIRCUIT BREAKER SIZE	W/O HEATER (31,32 Models)	AMP	40.0=2x10+2x10	40.0=2x10+2x10	40.0=3x10.0+10.0	40.0=3x10.0+10.0	40.0=2x(10.0+10.0)	
	WITH HEATER (34 Models)	AMP	60.0=2x15+2x15	60.0=2x15+2x15	60.0=3x15.0+15.0	60.0=3x15.0+15.0	60.0=2x(15.0+15.0)	
INDOOR FAN MOTOR	FAN	TYPE	CROSS FLOW					
		CFM	4x295	4x365	3x295+365	3x365+295	2x(295+365)	
	MOTOR (PSC)	RATED AMP	4x0.10	4x0.20	3x0.10+0.20	3x0.20+0.10	2x(0.10+0.20)	
OUTDOOR FAN MOTOR	FAN	SPEED	3					
		TYPE	PROPELLER					
	CFM	3530	4350	3530	4350	4350		
	MOTOR (PSC)	RATED AMP	2x0.60	2x0.90	2x0.60	2x0.90	2x0.90	
	SPEED	1						
COMPRESSOR	HERMETIC	TYPE	ROTARY					
		BRAND	Toshiba, Hitachi, Sanyo, Panasonic					
CONNECTION TUBE	DRAIN	DRAIN PIPE	Flexible					
	REFRIGERANT	DISCHARGE	4x1/4"	4x1/4"	4x1/4"	4x1/4"	4x1/4"	
		SUCTION	4x3/8"	4x1/2"	3x3/8"+1x1/2"	1x3/8"+3x1/2"	2x(3/8"+1/2")	
MAXIMUM REF. TUBE	LIFT	FT	25	25	25	25	25	
	DROP	FT	25	25	25	25	25	
	TOTAL LENGTH	FT	4x50	4x50	4x50	4x50	4x50	
WEIGHT	INDOOR-NET	LBs	4x17	4x25	3x17+1x25	1x17+3x25	2x(17+25)	
	INDOOR-GROSS	LBs	4x23	4x28	3x23+1x28	1x23+3x28	2x(23+28)	
	OUTDOOR-NET	LBs	226	268	242	256	248	
	OUTDOOR-GROSS	LBs	246	283	262	276	268	
DIMENSION W×H×D	INDOOR-NET	INCH	31x11x7	36x11x8	31x11x7/36x11x8			
	INDOOR-BOX	INCH	34x13x11	39x14x11	34x13x11/39x14x11			
	OUTDOOR-NET	INCH	33x48x15	37x49x17				
	OUTDOOR-BOX	INCH	39x51x17	42x52x19				
LOADING CAPACITY	20'/40'/HQ	SETS	36/72/72	26/52/52				

1) Performance rated for matched system at standard conditions-cooling ID 80/67F, OD 95F; heating ID 70/43F, OD 47/43F. Unit performance varies when weather changes from the standard one.
 2) Select equipment capacity/sizes per space load calculation schedule at local design temperatures and cooling & heating hours. Not to over size or under size equipment.
 3) Watch unit operation during extreme weather conditions in summer and winter. After the unit is used for quite a while in these weather, unit may step into protection mode and stay idle.
 4) Cooling may still work in low temperatures, installed with optional low ambient controller. Ref. ICM 326HN.
 5) Heating capacity and efficiency decrease, as outdoor temperature drops. Cooling capacity and efficiency drops, as outdoor temperature rises.