

RECOMMENDED MATCHING INDOOR AND OUTDOOR UNITS (NOT ALL POSSIBILITIES BEING LISTED)

System Model WMMS-2AM21-V2B(59)(2): Outdoor Unit WMMS-21CH-V2B(59)(2) Indoor Unit Options									
1 Indoor Unit		2 Indoor Units		3 Indoor Units			4 Indoor Units		
09K	12K	09K+09K	09K+12K	Not allowed			Not allowed		
18K									
System Model WMMS-2AM24-V2B(59)(2): Outdoor Unit WMMS-24CH-V2B(59)(2) Indoor Unit Options									
1 Indoor Unit		2 Indoor Units		3 Indoor Units			4 Indoor Units		
09K	12K	09K+12K	12K+12K	Not allowed			Not allowed		
18K		09K+18K	12K+18K						
System Model WMMS-3AM42-V2B(59)(2): Outdoor Unit WMMS-42CH-V2B(59)(2) Indoor Unit Options									
1 Indoor Unit		2 Indoor Units		3 Indoor Units			4 Indoor Units		
Not allowed	09K+09K	09K+12K	09K+09K+09K	09K+09K+12K	09K+12K+12K	Not allowed			
	09K+18K	12K+12K	09K+09K+18K	09K+12K+18K	12K+12K+18K				
	12K+12K	18K+18K	12K+12K+12K	09K+09K+24K					
System Model WMMS-4AM45-V2B(59)(2): Outdoor Unit WMMS-45CH-V2B(59)(2) Indoor Unit Options									
1 Indoor Unit		2 Indoor Units		3 Indoor Units			4 Indoor Units		
Not allowed	09K+09K	09K+12K	09K+09K+09K	09K+09K+12K	09K+12K+12K	09K+09K+09K+09K	09K+09K+09K+12K	09K+09K+09K+18K	
	09K+18K	12K+12K	09K+09K+18K	12K+12K+18K	09K+12K+18K	09K+09K+12K+12K	09K+12K+12K+12K	12K+12K+12K+12K	
	12K+18K	18K+18K	12K+12K+12K	09K+12K+24K	12K+12K+24K	09K+09K+12K+18K	09K+12K+12K+18K		

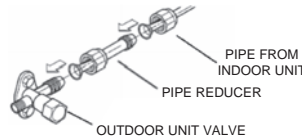
Important Notes:
 * When the rated total capacity of all the indoor units exceeds the rated capacity of outdoor unit, each indoor unit may not output the rated capacity and one may differ from other, upon other installation/operation factors, it all units are turned on to run compressor simultaneously.
 * WMMS-3AM42-V2B(59)(2) and MMS-4AM45-V2B(59)(2) are not allowed to work with one indoor unit only.

Valve sizes at outdoor unit	Liquid valve	Model	WMMS-21CH-V2B(59)(2)		WMMS-24CH-V2B(59)(2)		WMMS-42CH-V2B(59)(2)			WMMS(2)-45CH-V2B(59)		
			In.	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Gas valve	In.		3/8	3/8	1/2	1/2	3/8	3/8	3/8	3/8	3/8	3/8
Max. pipe length (add up length of all liquid lines only), if not upper sizing pipes	Ft.		120		150		230		230			
Max. installed indoor and outdoor unit elevation difference	Ft.		15		25		30		30			
Max. pipe length, if not adjusting factory pre-charged refrigerant	Ft.		60 (add up length of all liquid lines only)		60 (add up length of all liquid lines only)		100 (add up length of all liquid lines only)		100 (add up length of all liquid lines only)			
Minimum pipe length	/						15ft					
Refrigerant charge adjustment, if actual length is different from the number in the line above	± Oz/Ft						0.23					

* Adjust refrigerant charge, following instructions, if the actual installation elevation difference is different from 7' and length is different from the listed numbers above.
 * Any indoor unit is 30' or more apart from the outdoor unit, better to adjust refrigerant. If it is 50' or more apart, better to upper size the copper lines and adjust refrigerant.
 * Any run can not be more than 100' apart from the outdoor unit; otherwise, that indoor unit's capacity may be decreased too much.

PIPE REDUCER

Whenever the outdoor unit gas valve of size 3/8" is to connect with indoor unit gas pipe of 1/2", one 1/2"-3/8" reducer is to be used in between. This reducer is packed separately and shall be installed at job site.



SAMPLE SYSTEM-PERFORMANCE DATA

WMMS-3AM42-V2B(59)(2) Cooling Performance Nominal Data							
Indoor Unit Combinations	Total capacity	Room A	Room B	Room C	Room D	Capacity Rating-Btu/h (Min.~Max.)	Input Power Rating-Watts (Min.~Max.)
9	9	10880				10880 (9180-12240)	1050 (1000-1300)
12	12	11900				11900 (9180-14960)	1050 (1000-1500)
18	18	17000				17000 (11220-22780)	1400 (1000-2600)
9+9	18	8500	8500			17000 (11220-22780)	1400 (1000-2600)
9+12	21	8500	11900			20400 (11220-26520)	1800 (1000-3300)
12+12	24	11900	11900			23800 (11220-27880)	2300 (1000-3800)
9+18	27	8840	15300			24140 (11220-32300)	2200 (1000-4600)
12+18	30	11900	12240			24140 (11220-32300)	2200 (1000-4600)
9+9+9	27	8075	8075	8075		24140 (11220-32300)	2200 (1000-4600)
9+9+12	30	7140	7140	9860		24140 (11220-32300)	2200 (1000-4600)
9+12+12	33	6460	8840	8840		24140 (11220-32640)	2200 (1000-4650)
12+12+12	36	8075	8075	8075		24140 (11220-32640)	2200 (1000-4650)
9+9+18	36	7480	7480	9180		24140 (11220-32640)	2200 (1000-4650)
9+12+18	39	7140	7820	9180		24140 (11220-32640)	2200 (1000-4650)
12+12+18	42	7820	7820	8500		24140 (11220-32640)	2200 (1000-4650)

WMMS-3AM42-V2B(59)(2) Heating Performance Nominal Data							
Indoor Unit Combinations	Total capacity	Room A	Room B	Room C	Room D	Capacity Rating-Btu/h (Min.~Max.)	Input Power Rating-Watts (Min.~Max.)
9	9					9860 (6630-15980)	1100 (850-2450)
12	12					13260 (6800-17000)	1450 (850-2500)
18	18	19720				19720 (8670-27880)	1850 (900-2950)
9+9	18	10880	10880			21760 (8670-29240)	2050 (900-2950)
9+12	21	10880	13600			24480 (8670-30600)	2300 (900-3300)
12+12	24	13260	13260			26520 (10200-32640)	2400 (900-3500)
9+18	27	12240	17000			26860 (10200-31620)	2400 (900-3500)
12+18	30	12240	15300			27540 (10540-33660)	2600 (900-3800)
9+9+9	27	9632	9632	9632		28900 (10540-37400)	2600 (900-3800)
9+9+12	30	9010	9010	10880		28900 (10540-37400)	2600 (900-3800)
9+12+12	33	7820	10880	10880		29580 (10540-37400)	2600 (900-3800)
9+9+18	36	7990	7990	13600		29580 (10540-37400)	2400 (1000-3900)
12+12+12	36	9860	9860	9860		29580 (10540-37400)	2350 (1000-4000)
9+12+18	39	7480	9180	12920		29580 (10540-37400)	2350 (1000-4000)
12+12+18	42	8500	8500	12580		29580 (10540-37400)	2400 (1000-4000)

WMMS-4AM45-V2B(59)(2) Cooling Performance Nominal Data							
Indoor Unit Combinations	Total capacity	Room A	Room B	Room C	Room D	Capacity Rating-Btu/h (Min.~Max.)	Input Power Rating-Watts (Min.~Max.)
9	9	10880				8000 (3300-9600)	1050 (1000-1300)
12	12	11900				8000 (3300-10000)	1050 (1000-1500)
18	18	17000				8000 (3300-10000)	1400 (1000-2600)
9+9	18	8500	8500			10880 (9180-12240)	1400 (1000-2600)
9+12	21	8500	11900			11900 (9180-14960)	1800 (1000-3300)
12+12	24	11900	11900			17000 (11220-22780)	2300 (1000-3800)
9+18	27	8840	15300			17000 (11220-22780)	2200 (1000-4600)
12+18	30	11900	12240			20400 (11220-26520)	2200 (1000-4600)
9+9+9	27	8044	8044	8044		23800 (11220-27880)	2200 (1000-4600)
9+9+12	30	7140	7140	9860		24140 (11220-32300)	2200 (1000-4600)
9+12+12	33	6460	8840	8840		24140 (11220-32300)	2200 (1000-4650)
12+12+12	36	8044	8044	8044		24140 (11220-32300)	2200 (1000-4650)
9+9+18	36	7480	7480	9180		24140 (11220-32300)	2200 (1000-4650)
9+12+18	39	7140	7820	9180		24140 (11220-32640)	2200 (1000-4650)
12+12+18	42	7820	7820	8500		24140 (11220-32640)	2200 (1000-4650)
9+9+9+9	36	6800	6800	6800	6800	24140 (11220-32640)	2480 (1000-4650)
9+9+9+12	39	1750	1750	1750	2750	24140 (11220-32640)	2480 (1000-4650)
9+9+12+12	42	1500	1500	2500	2500	24140 (11220-32640)	2480 (1000-4700)
9+12+12+12	45	1700	2100	2100	2100	27200 (11220-32640)	2480 (1000-4700)

WMMS-4AM45-V2B(59)(2) Heating Performance Nominal Data							
Indoor Unit Combinations	Total capacity	Room A	Room B	Room C	Room D	Capacity Rating-Btu/h (Min.~Max.)	Input Power Rating-Watts (Min.~Max.)
9	9					9860 (6630-15980)	1100 (850-2450)
12	12					13260 (6800-16320)	1550 (850-2500)
18	18	19720				19720 (8670-27880)	1950 (900-2950)
9+9	18	10880	10880			21760 (8670-27880)	2050 (900-2950)
9+12	21	10880	13600			24480 (8670-28900)	2300 (900-3300)
12+12	24	13260	13260			26520 (10200-31620)	2400 (900-3500)
9+18	27	9860	17000			26860 (10200-31620)	2400 (900-3500)
12+18	30	12240	15300			27540 (10540-33660)	2400 (1000-3900)
9+9+9	27	9180	9180	9180		27540 (10540-33660)	2400 (1000-4000)
9+9+12	30	8500	8500	10540		27540 (10540-33660)	2400 (1000-4000)
9+12+12	33	7480	10370	10370		28220 (10540-33660)	2450 (1000-4000)
9+9+18	36	7990	7990	11560		27540 (10540-33660)	2400 (1000-4000)
12+12+12	36	9690	9690	9690		29070 (10540-33660)	2500 (1000-4000)
9+12+18	39	7480	9180	10880		27540 (10540-33660)	2400 (1000-4000)
12+12+18	42	8500	8500	10540		27540 (10540-33660)	2400 (1000-4000)
9+9+9+9	36	8160	8160	8160	8160	32640 (11220-37400)	2600 (1100-4200)
9+9+9+12	39	7480	7480	7480	10200	32640 (11220-37400)	2600 (1100-4200)
9+9+12+12	42	7140	7140	9180	9180	32640 (11220-37400)	2600 (1100-4200)
9+12+12+12	45	6120	8840	8840	8840	32640 (11220-37400)	2600 (1100-4200)

- 1) The DC inverter outdoor unit may work with many different combinations of styles (wall, ceiling, ceiling/floor, concealed, etc.) and sizes of indoor units.
- 2) In real world, there might be small percentage of applications where all indoor units will be working at peak demand of cooling or heating needs. One room could be at peak demand, others may not. This way, the outdoor unit doesn't need to work at peak speed/load all the time.
- 3) Not all pairs of refrigerant valves need to be connected at initial installation. But, there is minimum amount of indoor units shall be connected (refer to the spec. sheet for details). If only few of indoor units are installed initially, other indoor units can still be installed in the future whenever ready (need to vacuum and adjust refrigerant charge accordingly).
- 4) These outdoor unit can only drive all indoor units for one thermal mode at one time. Shall not run cooling in one indoor unit, and heating in another one. In case of mode conflict or clash, correct the thermal mode which is different from others, or shut off power and select one thermal mode for all indoor units.

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SYMPHONY-CHOIR (59)



DC Inverter Any Mix & Match

Dual/Triple/Quad Zone
1 Outdoor Unit, to Work with Up to 4 Indoor Units
 More Than 49 Indoor Size Combinations; Three Styles: Wall, Ceiling, Ceiling/Floor Mount
 Crankcase Heater and/or De-Ice/Snow Heater for a Better Performance in Cold Weather

INDOOR UNIT OPTIONS



YMGIGroup, Engineered Comfort Products for A Sustainable and Efficient Green World!

APPLICATIONS:

- * LIBRARIES
- * HOTELS
- * HOMES
- * SUNROOMS
- * CONDOS
- * RESORTS
- * GALLERIES
- * NURSING ROOMS
- * APARTMENTS
- * OFFICES
- * RESTAURANTS
- * MOBILE HOMES

FEATURES:

- * DC INVERTER
- * ADAPTIVE SMART CONTROL
- * HIGH EFFICIENCY
- * QUICK COOLING AND HEATING
- * INDEPENDENT DEHUMIDIFICATION
- * INTELLIGENT DEFROSTING
- * QUIET OPERATION
- * SOFT START
- * LOW VOLTAGE START
- * STABLE OPERATION AT LOW FREQUENCY
- * RANDOM PITCH CROSS FLOW FAN WHEEL
- * WIDE ANGLE AIR DISTRIBUTION
- * LONG AIR THROW
- * WASHABLE FILTER
- * AUTO DRYING & CLEANING
- * DRY ANTI-MOLD COIL
- * REMOTE CONTROL
- * 12 OR 24-HOUR TIMER
- * MEMORIES & AUTO RESTART
- * PRE-HEATING PRIOR TO HEATING START
- * OVERCORRECT & THERMAL PROTECTION
- * SLEEP MODE
- * ENHANCED COPPER/COIL
- * PRE-CHARGED
- * DIGITAL DISPLAY (LIGHT ON/OFF)
- * EASY OPERATION
- * EASY DIAGNOSIS & TROUBLE-SHOOTING
- * THOROUGHLY TESTED
- * RELIABLE QUALITY

ADD-ON ACCESSORIES:

- * ADVANCED HEALTHY KIT (HEPA/Enzyme/Cold Catalyst Filter, Anion Generator)
- * "U-TOUCH" REMOTE CONTROL
- * REMOTE CONTROL LOCK
- * BRACKETS (FOR OUTDOOR UNIT)
- * FOOT RISERS (FOR OUTDOOR UNIT)
- * COPPER/WIRE/ACC.SET (ACC. KIT)
- * LINESET COVERS
- * WINTER WIND BAFFLE

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INDOOR UNIT

CAN BE ANY ONE/TWO/THREE/FOUR OF THE FOLLOWING OPTIONS

INDOOR UNIT OPTION-CEILING/FLOOR MOUNT UNIVERSAL



Item	Indoor Unit-Ceiling/Floor Mount Type-Performance Data		
	WMMS-09EU-V2B(59)(2)	WMMS-12EU-V2B(59)(2)	WMMS-18EU-V2B(59)(2)
Power Supply	208-230/1/60		
Total Capacity (Btu/h) (High/ Standard/Low)	AC:10720/9150/4635 HP:11220/9650/3400	AC:14120/12150/4700 HP:14620/13150/3450	AC:22470/18150/6200 HP:25120/19150/4300
Nominal heating capacity (ID 70/60 OD 47/43F)	9650	13150	25150
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD17/15F)	8900	11200	16600
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD 5F)	8020	9120	14720
SEER	16.0	16.0	16.0
HSPF	8.2	8.2	8.2
Dehumidifying Volume (Pints/Hr.)	1.7	2.5	4.2
Fan Motor Speed (RPM) (H/M/L)	790/670/550	790/670/550	1070/970/870
Air Flow Volume (CFM) (SH/H/M/L)	360/330/310/290	410/360/340/290	580/530/453/404
Output of Fan Motor (W)	10	10	40
Input Power of Heater (W)	/	/	/
Fan Motor Capacitor (uF)	1	1.5	3
Fan Motor RLA (A)	/	/	/
Fan Type-Piece	Centrifugal fan-2		
Fan Wheel Diameter-Length (Inches)	φ 4.9X5.3 φ 3.6 X 24.3		
Evaporator Heat Exchanger Type	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Connection Copper Size Liquid/Gas (Inches)	1/4+3/8	1/4+3/8	1/4+1/2
Swing Motor Model	MP35CB/P35CA	MP35CB/P35CA	MP35CB/P35CA
Output of Swing Motor (W)	2/2	2/2	2/2
Fuse (A)	T3.15AL 250V		
Sound Pressure Level dB (A) (H/M/L)	45/40/32	46/43/36	54/50/47
Sound Power Level dB (A) (H/M/L)***	55/50/42	56/53/46	64/60/57
Dimension (W/H/D) (Inches)	32.9 X 27.4 X 9.37		
Dimension of Package (L/W/H) (Inches)	36.8 X 31.7 X 11.6		
Net Weight / Gross Weight (LBs)	59.5 / 78.2		
Loading Quantity	20' Container	112	112
	40' Container	232	232
	40' HQ Container	274	274

INDOOR UNIT OPTION-WALL MOUNT



Item	Indoor Unit-Wall Mount Type Performance Data		
	WMMS-09EW-V2B(59)(2)	WMMS-12EW-V2B(59)(2)	WMMS-18EW-V2B(59)(2)
Power Supply	208-230/1/60		
Total Capacity (Btu/h) (High/ Standard/Low)	AC:10480/8850/4235 HP:10980/9350/3000	AC:13880/11850/4300 HP:14380/12850/3050	AC:22230/17850/5800 HP:24880/18850/3900
Nominal heating capacity (ID 70/60 OD 47/43F)	9350	12850	24850
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD17/15F)	8400	10800	16200
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD 5F)	7580	8680	14280
SEER	16.0	16.0	16.0
HSPF	8.2	8.2	8.2
Dehumidifying Volume (Pints/Hr.)	1.7	2.5	4.2
Fan Motor Speed (RPM) (SH/H/M/L)	1150/1050/900/750	1250/1050/950/800	1350/1200/1050/900
Air Flow Volume (CFM) (SH/H/M/L)	280/250/240/220	330/290/260/220	500/460/383/324
Output of Fan Motor (W)	14	20	20
Input Power of Heater (W)	/	/	/
Fan Motor Capacitor (uF)	1	1	1
Fan Motor RLA(A)	0.17	0.21	0.28
Fan Type-Piece	Cross flow fan 1	Cross flow fan 1	Cross flow fan 1
Fan Wheel Diameter x Length (Inches)	3.82 X 23.0	3.6 X 24.3	3.8 X 31.4
Evaporator Heat Exchanger Type	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Connection Copper Size Liquid/Gas (Inches)	1/4+3/8	1/4+3/8	1/4+1/2
Swing Motor Model	MP28VB	MP28EC	MP35XX
Output of Swing Motor (W)	2	2	2.5
Fuse (A)	PCB 3.15A Transformer 0.2A	PCB 3.15A Transformer 0.2A	PCB 3.15A Transformer 0.2A
Sound Pressure Level dB (A) (H/M/L)	38 / 34 / 31 / 28	40 / 34 / 32 / 30	46 / 43 / 40 / 36
Sound Power Level dB (A) (H/M/L)***	48 / 44 / 41 / 38	50 / 44 / 42 / 40	56 / 53 / 50 / 46
Dimensions of Indoor Unit (W x H x D) (Inches)	30.3 X 9.8 X 7.5	32.7 X 11.2 X 7.9	40.2 X 12.2 X 9.0
Dimensions of Indoor Unit Package (W x H x D) (Inches)	33.7 X 13.0 X 10.7	35.7 X 15.2 X 10.4	42.4 X 12.8 X 15.4
Net / Gross Weight (LBs)	18.7 / 27.5	24.3 / 30.8	28.6 / 37.4
Loading Quantity	20' Container	378	240
	40' Container	792	480
	40' HQ Container	890	540

INDOOR UNIT OPTION-CEILING MOUNT CASSETTE



Item	Indoor Unit Type-Ceiling Mount Cassette Performance Data	
	WMMS-12EC-V2B(59)(2)	WMMS-18EC-V2B(59)(2)
Power Supply	208-230/1/60	
Total Capacity (Btu/h) (High/ Standard/Low)	AC:14120/12150/4700 HP:14620/13150/3450	AC:22470/18150/6200 HP:25120/19150/4300
Nominal heating capacity (ID 70/60 OD 47/43F)	13150	25150
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD17/15F)	11200	16600
Standard Set-up Tested in Lab-Heating capacity (ID 70/60 OD 5F)	9120	14720
SEER	16.0	16.0
HSPF	8.2	8.2
Dehumidifying Volume (Pints/Hr.)	2.5	4.2
Fan Motor Speed (RPM) (SH/H/M/L)	820/720/620	820/720/620
Air Flow Volume (CFM) (SH/H/M/L)	410/360/340/290	580/540/463/394
Output of Fan Motor (W)	11	11
Input Power of Heater (W)	/	/
Fan Motor Capacitor (uF)	1.5	2.5
Fan Motor RLA(A)	0.2	0.2
Fan Type-Piece	Centrifugal fan-1	
Fan Wheel Diameter-Depth (Inches)	φ 11.1 X 5.8	
Evaporator Heat Exchanger Type	Aluminum fin-copper tube	
Connection Copper Size Liquid/Gas (Inches)	1/4+1/2	1/4+1/2
Condensate Pump Water Lift (Inches)	25	25
Swing Motor Model	MP35EA	MP35EA
Output of Swing Motor (W)	4	4
Fuse (A)	T3.15AL 250V	
Sound Pressure Level dB (A) (H/M/L)	44 / 40 / 36	47 / 44 / 39
Sound Power Level dB (A) (H/M/L)***	54 / 50 / 46	57 / 54 / 49
Dimension (W x L x H) (Inches)	Main unit: 22.5 x 22.5 x 9.1, Panel: 25.6 x 25.6 x 1.97	
Dimension of Package (W x L x H) (Inches)	Main unit: 33.4 x 26.7 x 12.2, Panel: 28.7 x 26.4 x 4.0	
Net Weight /Gross Weight (LBs)	44.1 / 59.5	
Loading Quantity	20' Container	114
	40' Container	234
	40' HQ Container	280

OUTDOOR UNIT

1. SUMMARY

4 Models: Normal Rating 21K (1to2), 24K (1to2), 42K(1to3), 45K(1to4)

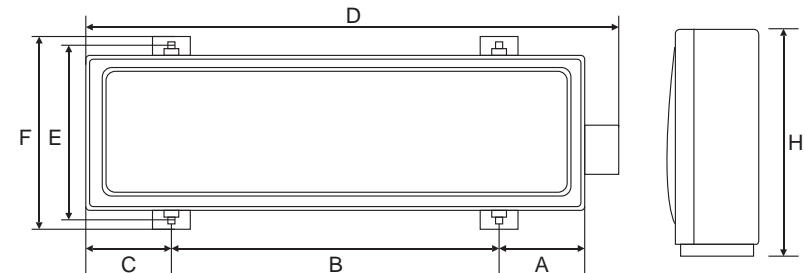
2. SPECIFICATION OF OUTDOOR UNIT

Outdoor Unit Models		WMMS-21CH-V2B(59)(2) (1 to 2)	WMMS-24CH-V2B(59)(2) (1 to 2)	WMMS-42CH-V2B(59)(2) (1 to 3)	WMMS-45CH-V2B(59)(2) (1 to 4)
		208-230/1/60			
Power Supply	Max.	21,000	28,000	42,000	45,000
	Rated	18,000	24,000	28,000	28,000
	Min.	7,200	10,000	10,000	10,000
Total Power Input in Cooling Mode* (W)	Max.	2300	3300	4500	4700
	Rated	1550	2250	2600	2600
	Min.	620	1100	900	900
SEER		16.0	16.0	16.0	16.0
HSPF		8.2	8.2	8.2	8.2
Heating Capacity* (Btu/h)	Max.	22,000	33,000	47,000	47,000
	Rated	19,000	29,500	31,000	31,000
	Min.	6,500	9,000	9,000	9,000
Total Power Input in Heating Mode*	Max.	2400	3000	3500	3500
	Rated	1750	2500	2600	2600
	Min.	650	800	1250	1250
Sound Pressure Level Indoor Unit		56	59	60	60
Outdoor Net Weight / Gross Weight (LBs)		52/57	68/73	75/80	75/80
Liquid Valve Size		2 x 1/4"	2 x 1/4"	3 x 1/4"	4 x 1/4"
Gas Valve Size		2 x 3/8"	2 x 1/2"	3 x 3/8"	4 x 3/8"
Compressor Manufacturer/trademark		Sanyo / Mitsubishi / Others	Sanyo / Mitsubishi / Others	Sanyo / Mitsubishi / Others	Sanyo / Mitsubishi / Others
Compressor Oil		/ FV50S /	/ FV50S /	/ FV50S /	/ FV50S /
L.R.A. (A)		34 / 27	41 / 45	34 / 45	34 / 45
Compressor RLA (A)		8.2 / 8.4	8.96 / 9.7	8.2 / 9.7	8.2 / 9.7
Compressor Power Input (W)		1470 / 1245	1760 / 2200	1760 / 2200	1760 / 2200
MCA (A)		15	20	20/30	30
Fuse or Circuit Breaker (HVAC Type)		30	30	30/40	40
Throttling Method		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Starting Method		Transducer starting	Transducer starting	Transducer starting	Transducer starting
Recommended Working Ambient Temp Ranges (F)		AC: 20 to 115 HP: 5 to 75	AC: 20 to 115 HP: 5 to 75	AC: 20 to 115 HP: 5 to 75	AC: 20 to 115 HP: 5 to 75
Condenser		Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Output of Fan Motor (W)		60	60	68	68
Fan Motor RLA (A)		0.65	0.65	0.68	0.68
Fan Motor Capacitor (uF)		3	3	3	3
Air Flow Rate of Outdoor Unit		/	/	/	/
Fan Type-Piece		Axial fan 1	Axial fan 1	Axial fan 1	Axial fan 1
Fan Diameter (Inches)		18.1	18.1	18.1	18.1
Defrosting Method		Auto Defrost	Auto Defrost	Auto Defrost	Auto Defrost
Climate Type		T1	T1	T1	T1
Isolation		I	I	I	I
Moisture Protection		IP24	IP24	IP24	IP24
Max. Operating Pressure at High Side (PSI)		550	550	550	550
Max. Operating Pressure at Low Side (PSI)		175	175	175	175
Sound Pressure Level dB (A) (H/L)		56/54	59/58	60/54	60/54
Sound Power Level dB (A) (H/L)		66/64	69/68	69/68	69/68
Dimensions of Outdoor Unit (W x H x D) (Inches)		33.3 x 27.0 x 11.8	37.4 X 33.1 X 11.7	37.4 X 33.1 X 16.5	37.4 X 33.1 X 16.5
Dimensions of Package (W x H x D) (Inches)		39.1 x 29.5 x 16.9	43.3 X 35.6 X 16.5	43.3 X 35.6 X 16.5	43.3 X 35.6 X 16.5
Net Weight /Gross Weight (LBs)		115 / 126	150 / 161	165 / 176	165 / 176
Refrigerant /Factory Pre-Charge for 25' (LBs)		R410A / 3.52	R410A / 5.51	R410A / 7.27	R410A / 7.27
Loading Quantity	20' Container	87	50	50	50
	40' Container	183	106	106	106
	40' High Cube Container	183	106	106	106

IMPORTANT NOTES-ABOUT THE DC INVERTER SYSTEM'S VARIOUS PERFORMANCES:

- 1) The rated performance data printed on the nameplate were tested per AHRI 210/240 standards at standard indoor & outdoor conditions and standard installation set-up.
- 2) Actually the DC inverter outdoor unit could modulate to match whatever capacity needs are called/requested from indoor side, to produce a wide range of capacities, minimum could be about 15% of the rated number and maximum could be about 160% of the rated number.
- 3) Once the DC inverter system is installed, each indoor unit's output and so the outdoor unit performance will all vary over the operation period: soft-starting, turbo quick cooling/heating, maintaining, defrosting, switching, and other condition changes.
- 4) Actual performance varies upon many factors such as indoor and outdoor temperatures, inter-connecting pipe length/bending, elevation difference between indoor and outdoor units, refrigerant charging level, vacuum level, leakage, air or moisture or contamination level, foreign substance left in the piping, indoor filter clean level, indoor and outdoor coil conditions, and other factors.

3. DIMENSION FOR OUTDOOR UNIT



Dim.	WMMS-21CH-V2B(59)(2)	WMMS-24CH-V2B(59)(2)	WMMS-42CH-V2B(59)(2)	WMMS-45CH-V2B(59)(2)
A	21.7	22.5	22.5	22.5
B	5.9	7.6	7.6	7.6
C	5.7	7.3	7.3	7.3
D	36.3	37.4	37.4	37.4
E	13.5	14.9	14.9	14.9
F	14.9	16.2	16.2	16.2
H	27.0	33.0	33.0	33.0

