



YMGI Symphony Series (57)2, (57)3, (58)4, (59)4 & (78)1 HEAT PUMP LINE CARD

May 11, 2021
YMGI Group








Symphony Solo Wall Mount Single Zone M1 (57)2, 3







SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-09K-V2A(57)2 ODU: WMMS-09C-V2A(57)2 IDU: WMMS-09E-V2A(57)2		11000	9000	3500	11000	9800	2500	115/1/60	64.4°F	-4°F	16
WMMS-12K-V2A(57)2 ODU: WMMS-12C-V2A(57)2 IDU: WMMS-12E-V2A(57)2		12500	11800	3300	13500	13000	3400	115/1/60	64.4°F	-4°F	16
WMMS-18K-V2B(57)3 ODU: WMMS-18C-V2B(57)3 IDU: WMMS-18E-V2B(57)3		21000	18000	4500	23000	19200	4000	208-230/1/60	64.4°F	-4°F	16
WMMS-24K-V2B(57)3 ODU: WMMS-24C-V2B(57)3 IDU: WMMS-24E-V2B(57)3		24000	22000	6400	26600	26600	4100	208-230/1/60	64.4°F	-4°F	16
WMMS-30K-V2B(57)3 ODU: WMMS-30C-V2B(57)3 IDU: WMMS-30E-V2B(57)3		30000	24800	7200	28400	19000	6500	208-230/1/60	64.4°F	-4°F	16
WMMS-36K-V2B(57)3 ODU: WMMS-36C-V2B(57)3 IDU: WMMS-36E-V2B(57)3		36000	24000	10000	34600	29500	9000	208-230/1/60	64.4°F	-4°F	16

System Model Number		WMMS-09K-V2A(57)2	WMMS-12K-V2A(57)2	WMMS-18K-V2B(57)3	WMMS-24K-V2B(57)3		
Power Supply	V/Ph/Hz	115 / 1 / 60	115 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60		
	Connection	Circuit Breaker-Disconnect Switch-Outdoor-Indoor Unit	Circuit Breaker-Disconnect Switch-Outdoor-Indoor Unit	Circuit Breaker-Disconnect Switch-Outdoor-Indoor Unit	Circuit Breaker-Disconnect Switch-Outdoor-Indoor Unit		
Cooling Capacities Stan/ Min/Max	Btu/h	9000 / 3,500 / 11,000	11800 / 3,300 / 12,500	18000 / 4,500 / 21,000	22000 / 6,400 / 24,000		
Heating Capacities Stan/ Min/Max	Btu/h	9800 / 2,500 / 11,000	13000 / 3,400 / 13,500	19200 / 4,000 / 23,000	26600 / 4,100 / 26,600		
Cooling Power Input Stan/ Min/Max	W	750 / 220 / 1,100	1260 / 260 / 1,340	1620 / 200 / 2,400	2,200 / 300 / 2,550		
Heating Power Input Stan/ Min/Max	W	830 / 230 / 1,230	1,320 / 250 / 1,360	2,600 / 300 / 2,600	2,800 / 320 / 2,800		
Cooling /Heating Current	Amp.	9 / 9.5	15 / 15.5	7.85 / 7.10-11.77 / 10.65	11.50 / 10.50 - 13.00 / 12.80		
Rated Power Input	W	1230	1360	2600	2800		
Min. Current (MCA)	Amp.	12.2	19.2	14.3	16.6		
Max. Over Current Protection	Amp.	20	25 / 30	20	25 / 30		
EER /COP /SEER /HSPF	Btu/h.W	12 / 12 / 16 / 8.6	9.4 / 9.8 / 16 / 8.6	11.1 / 8.0 / 16.0 / 8.0	10.0 / 10.0 / 16.0 / 9.5		
Air Flow Volume-Indoor Unit	CFM	330 / 277 / 224 / 188	341 / 288 / 235 / 200	471 / 400 / 330 / 271	589 / 441 / 306 / 206		
Dehumidification	pt/hr	1.69	2.96	3.8	4.5		
Indoor Unit	Indoor Unit Model	WMMS-09E-V2A(57)2	WMMS-12E-V2A(57)2	WMMS-18E-V2B(57)3	WMMS-24E-V2B(57)3		
	Fan Type	Cross-flow	Cross-flow	Cross-flow	Cross-flow		
	Cooling Speed SH/H/M/L	RPM	1300 / 1100 / 900 / 700	1350 / 1150 / 950 / 750	1400 / 1150 / 1000 / 850	1350 / 1150 / 1000 / 850	
	Heating Speed SH/H/M/L	RPM	1300 / 1140 / 980 / 820	1350 / 1190 / 1020 / 850	1450 / 1250 / 1100 / 950	1350 / 1150 / 1000 / 900	
	Fan Motor Power Output	W	10	10	20	35	
	Fan Motor RLA	Amp.	0.38	0.38	0.32	0.31	
	Evaporator Type		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	
	Set Temperature Range	°F	60.8-86	60.8-86	60.8-86	60.8-86	
	Sound Pressure Level	dB (A)	41 / 37 / 35 / 32	43 / 39 / 35 / 32	48 / 43 / 38 / 34	49 / 43 / 39 / 34	
	Sound Power Level	dB (A)	51 / 47 / 45 / 42	53 / 49 / 45 / 42	58 / 53 / 48 / 43	59 / 53 / 49 / 44	
	Dimension of Unit (W x H x D)	Inch	30.3 x 11.1 x 7.9	30.3 x 11.1 x 7.9	34.1 x 12.0 x 8.5	39.7 x 12.4 x 8.7	
	Net /Gross Weight	lb	18.7 / 25.4	18.7 / 25.4	27.0 / 35.3	33.1 / 44.1	
	Outdoor Unit	Outdoor Unit Model	WMMS-09C-V2A(57)2	WMMS-12C-V2A(57)2	WMMS-18C-V2B(57)3	WMMS-24C-V2B(57)3	
		Compressor Type	-	Rotary	Rotary	Rotary	
Compressor LRA		Amp.	18.60	18.60	27.00	41	
Compressor RLA		Amp.	6	6	10.86	8.38	
HVAC Type Circuit Breaker		Amp.	20	20	30	30	
Compressor Power Input		W	980	980	2500	1630	
FanMotor Speed		RPM	900 / 850	900 / 850	690	690	
FanMotor Power Output		W	30	30	60	60	
FanMotor RLA Amp.		Amp.	0.18	0.18	0.62	0.59	
Condenser Form		-	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	
Condenser Coil LxDxW		Inch	29 23/32 x 1 x 19 1/2	29 23/32 x 1 x 19 1/2	32 61/64 x 1 1/2 x 26	32 61/64 x 1 1/2 x 26	
Max. Pressure for the Discharge Side		PSIG	623.5	623.5	623.5	623.5	
Max. Pressure for the Suction Side		PSIG	362.5	362.5	362.5	362.5	
Cooling Operation Outdoor Ambient Temp. Ranges		°F	64.4° ~ 113°	64.4° ~ 113°	19° ~ 113°	19° ~ 113°	
Heating Operation Outdoor Ambient Temp. Ranges		°F	5° ~ 75°	5° ~ 75°	5° ~ 75°	5° ~ 75°	
Sound Pressure / Power Level		dB (A)	53 / 63	55 / 65	56 / 66	53 / 63	
Dimensions of Unit (W x H x D)		Inch	33.4 x 12.6 x 21.3	33.4 x 12.6 x 21.3	37.6 x 15.6 x 27.6	37.6 x 15.6 x 27.6	
Net /Gross Weight		lb	68.4 / 77.2	68.4 / 77.2	106 / 117	115 / 126	
Connection Pipes		R410A Refrigerant Factory Charge	oz	35.30	35.3	45.86	54.7
		Length without Adjusting Refrigerant	ft.	25	25	25	25
	Additional Refrigerant Charge	oz/ft.	0.2	0.2	0.2	0.215	
	Outer Diameter of Liquid Pipe	Inch	1/4	1/4	1/4	1/4	
	Outer Diameter of Gas Pipe	Inch	3/8	3/8	1/2	1/2	
	Max. Allowed ID-OD Elevation Difference	ft.	32.8	32.8	33	32.8	
Max. Allowed ID-OD Distance/Length	ft.	65.6	65.6	82	82		



Symphony Solo Wall Mount Single Zone M6 (58)4



Compatibility Table	Outdoor Unit Models				
		Wall Mount EW	Recessed Fan Coil EF	Ceiling Cassette EW	Floor/Ceiling Mount EW
	WMMS-09C-U2B(58)4	EW 9k <input checked="" type="checkbox"/>			
	WMMS-12C-U2B(58)4	EW 12k <input checked="" type="checkbox"/>			
	WMMS-18C-U2B(58)4	EW 18k <input checked="" type="checkbox"/>	EF 18k <input checked="" type="checkbox"/>	EC 18k <input checked="" type="checkbox"/>	EU 18k <input checked="" type="checkbox"/>
	WMMS-24C-U2B(58)4	EW 24k <input checked="" type="checkbox"/>	EF 24k <input checked="" type="checkbox"/>	EC 24k <input checked="" type="checkbox"/>	EU 24k <input checked="" type="checkbox"/>
	WMMS-30C-U2B(58)4	EW 30k <input checked="" type="checkbox"/>	EF 30k <input checked="" type="checkbox"/>	EC 30k <input checked="" type="checkbox"/>	EU 30k <input checked="" type="checkbox"/>
	WMMS-36C-U2B(58)4	EW 36k <input checked="" type="checkbox"/>	EF 36k <input checked="" type="checkbox"/>	EC 36k <input checked="" type="checkbox"/>	EU 36k <input checked="" type="checkbox"/>
	WMMS-48C-U2B(58)4		EF 48k <input checked="" type="checkbox"/>	EC 48k <input checked="" type="checkbox"/>	EU 48k <input checked="" type="checkbox"/>


SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-09K-V2B(58)4 ODU: WMMS-09C-V2B(58)4 IDU: WMMS-09E-V2B(58)4		9600	9000	3100	12000	11000	1900	208-230/1/60	0°F	-4°F	23.0
WMMS-12K-V2B(58)4 ODU: WMMS-12C-V2B(58)4 IDU: WMMS-12E-V2B(58)4		13000	12000	3100	14000	13000	2400	208-230/1/60	0°F	-4°F	22.0
WMMS-18K-V2B(58)4 ODU: WMMS-18C-V2B(58)4 IDU: WMMS-18E-V2B(58)4		20000	18000	6800	23500	19800	7300	208-230/1/60	0°F	-4°F	20.0
WMMS-24K-V2B(58)4 ODU: WMMS-24C-V2B(58)4 IDU: WMMS-24E-V2B(58)4		27300	22000	6800	30700	23000	6800	208-230/1/60	0°F	-4°F	20.0
WMMS-30K-V2B(58)4 ODU: WMMS-30C-V2B(58)4 IDU: WMMS-30E-V2B(58)4		30000	28000	9500	33000	28400	10000	208-230/1/60	0°F	-4°F	18.0
WMMS-36K-V2B(58)4 ODU: WMMS-36C-V2B(58)4 IDU: WMMS-36E-V2B(58)4		36000	33600	7400	36000	34600	15000	208-230/1/60	0°F	-4°F	18.0

System		WMMS-09K-V2B(58)4	WMMS-12K-V2B(58)4	WMMS-18K-V2B(58)4	WMMS-24K-V2B(58)4	WMMS-30K-V2B(58)4	WMMS-36K-V2B(58)4
Power Supply	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Power Voltage Allowed Min./Max.	V	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253
Surge Protected Incoming Power Supply		Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Cooling Capacity	Btu/h	3100 / 9000 / 9600	3100 / 12000 / 13000	6800 / 18000 / 20000	6800 / 22000 / 27300	9500 / 28000 / 30000	7400 / 33600 / 36000
Heating Capacity	Btu/h	1900 / 11000 / 12000	2400 / 13000 / 14000	7300 / 19800 / 23500	6800 / 23000 / 30700	10000 / 28400 / 33000	15000 / 34600 / 36000
Cooling Power Input Min/Stan/Ma.	W	160 / 630 / 1300	200 / 960 / 1350	450 / 1435 / 2150	450 / 1760 / 3000	600 / 2700 / 3900	450 / 4100 / 4300
Heating Power Input Min/Stan/Max	W	160 / 1020 / 1350	400 / 1100 / 1400	580 / 1730 / 2600	450 / 2000 / 3000	650 / 2800 / 4000	560 / 3800 / 4300
EER	(Btu/h)/w	14.29	12.50	12.50	12.50	10.37	8.20
COP	(Btu/h)/w	10.78	11.82	11.45	11.50	10.14	9.11
SEER		23.00	22.00	20	20	18.00	18.00
HSPF	Btu/h/ W	10.50	11.00	10	10	9.00	9.00
Max. Over Current Protection	A	20	20	30	30	30	40
Min. Current (MCA)	A	9	9	16	20	20	24
Indoor Unit Model		WMMS-09E-V2B(58)4	WMMS-12E-V2B(58)4	WMMS-18E-V2B(58)4	WMMS-24E-V2B(58)4	WMMS-30E-V2B(58)4	WMMS-36E-V2B(58)4
Air Flow Volume	CFM	380 / 290 / 240 / 170	400 / 290 / 240 / 170	560 / 490 / 410 / 330	700 / 650 / 590 / 530	710 / 660 / 530 / 410	710 / 660 / 530 / 410
Dehumidifying Volume	pt/hr	1.69	2.96	3.80	4.23	6.34	7.40
Fuse on Control Board	A	3	3	3	3	3	3
Fuse Current	A	3.15	3.15	3.15	3.15	3.15	3.15
Set Temperature Range	°F	61-86	61-86	61-86	61-86	61-86	61-86
Sound Pressure Level	dB (A)	43/39/35/29	45/39/35/29	47/43/40/39	48/44/40/36	/	/
Dimension (WxHxD)	inch	33 9/32 x 11 3/8 x 8 1/4	33 9/32 x 11 3/8 x 8 1/4	38 3/16 x 11 13/16 x 8 13/16	42 7/16 x 12 13/16 x 9 11/16	53 5/32 x 12 27/32 x 9 31/32	53 5/32 x 12 27/32 x 9 31/32
Net/Gross Weight	lbs	22.1/26.5	22.1/26.5	27.6/34.2	34.2/41.9	41.9/51.8	41.9/51.8
Outdoor Unit Model		WMMS-09C-V2B(58)4	WMMS-12C-V2B(58)4	WMMS-18C-V2B(58)4	WMMS-24C-V2B(58)4	WMMS-30C-V2B(58)4	WMMS-36C-V2B(58)4
Compressor LRA	A	20	20	25	25	40.00	67.00
Compressor RLA	A	4.00	4.00	12.08	11.50	13.45	17.50
Fan Motor RLA	A	/	/	0.49	0.65	0.45	0.73
Maximum Allowable Pressure	PSIG	624	624	624	624	624	624
Sound Pressure / Power Level	dB (A)	53 / 63	54 / 64	55 / 65	59 / 69	62 / 72	65 / 75
Dimension of Unit (WxHxD)	Inch	33.41 x 21.31 x 12.59	33.4 x 23.31 x 12.63	37.63 x 27.63 x 15.63	38.63 x 31.13 x 16.8	38.63 x 31.13 x 16.81	43.64 x 43.25 x 17.38
Net / Gross Weight	lbs	78 / 84	86 / 93	106 / 116	142 / 153	154 / 165	204.6/222.2
Cooling Operation Ambient Temp. Range	°F	0-115	0-115	0-115	0-115	0-115	0-115
Heating Operation Ambient Temp. Range	°F	-4~75	-4~75	-4~75	-4~75	-4~75	-4~75
R410A Refrigerant Factory Charge	ozs	45.9	47.6	56.44	77.6	84.66	91.71
Factory Charge for Pipe Length	ft.	24.6	24.6	24.6	24.6	24.6	24.6
Gas Additional Charge	oz/ft.	0.215	0.215	0.2	0.5	0.538	0.538
Outer Diameter of Liquid Valve	inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Outer Diameter of Gas Valve	inch	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Max Elevation Difference IDU-ODU	ft.	32.8	32.8	32.8	32.8	32.8	32.8
Max Copper Line Length	ft.	50	65	80	80	100	100



Symphony Solo Ceiling Cassette Single Zone M6 (58)4



Compatibility Table	Outdoor Unit Models	
		WMMS-09C-U2B(58)4 WMMS-12C-U2B(58)4 WMMS-18C-U2B(58)4 WMMS-24C-U2B(58)4 WMMS-30C-U2B(58)4 WMMS-36C-U2B(58)4 WMMS-48C-U2B(58)4






SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-18KC-U2B(58)4 ODU: WMMS-18C-U2B(58)4 IDU: WMMS-18EC-U2B(59)2		18700	17100	5400	22200	18800	4700	208-230/1/60	0°F	-4°F	16.0
WMMS-24KC-U2B(58)4 ODU: WMMS-24C-U2B(58)4 IDU: WMMS-24EC-U2B(59)2		29000	23800	8200	32400	27200	8200	208-230/1/60	0°F	-4°F	16.0
WMMS-30KC-U2B(58)4 ODU: WMMS-30C-U2B(58)4 IDU: WMMS-30EC-U2B(59)2		31400	28200	8800	33600	31200	8200	208-230/1/60	0°F	-4°F	20.0
WMMS-36KC-U2B(58)4 ODU: WMMS-36C-U2B(58)4 IDU: WMMS-36EC-U2B(59)2		39000	34000	10800	49500	41000	9800	208-230/1/60	0°F	-4°F	18.0
WMMS-48KC-U2B(58)4 ODU: WMMS-48C-U2B(58)4 IDU: WMMS-48EC-U2B(59)2		50500	48000	20400	61500	54500	17500	208-230/1/60	0°F	-4°F	16.0

System		WMMS-18KC-U2B(58)4	WMMS-24KC-U2B(58)4	WMMS-30KC-U2B(58)4	WMMS-36KC-U2B(58)4	WMMS-48KC-U2B(58)4
Power Supply	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Power Voltage Allowed Min./Max.	V	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253
Surge Protector In Incoming Power Supply		Recommended	Recommended	Recommended	Recommended	Recommended
Cooling Capacity	Btu/h	17100	23800	28200	34000	48000
Capacity Range	Btu/h	5400-18700	8200-29000	8800-31400	10800-39000	20400-50500
Cooling Power Input Max.	W	1750	2500	3700	4500	5700
Heating Capacity @ 47 °F	Btu/h	18800	27200	31200	41000	54500
Heating Power Input Min./Stand./Max.	Btu/h	4700-22200	8200-32400	8200-33600	9800-49500	17500-61500
Heating Power Input Max.	W	1900	2750	3500	4800	5400
Heating Capacity @ 17 °F	Btu/h	9900	15700	16700	23400	27600
SEER		16.0	16.0	20.0	18.0	16.0
EER		10.1	10.7	10.4	10.4	8.7
COP	W/W	2.7	3.4	3.7	3.2	3.3
HSPF		9.00	10.0	9.0	9.00	9.00
Gas Pipe Size	in.	1/2	5/8	5/8	5/8	5/8
Liquid Pipe Size	in.	1/4	3/8	3/8	3/8	3/8
Indoor Unit Model		WMMS-18EC-U2B(58)4	WMMS-24EC-U2B(58)4	WMMS-30E-U2B(58)4	WMMS-36EC-V2B(58)4	WMMS-48EC-U2B(58)4
Air Flow Volume	CFM	353/445	510/765	587/880	730/1095	900 / 1350
Dehumidifying Volume	pt/hr	.85	1.14	1.42	1.61	2.13
Fan Motor Power Output	HP	1/5	1/5	1/5	1/3	1/7
Fan Motor FLA	A	0.5	0.5	0.9	0.9	1.5
Max. Over Current Protection	A	15	15	15	15	15
Min. Current (MCA)	A	1.0	1.0	1.5	1.5	2.0
Set Temperature Range	°F	61-86	61-86	61-86	61-86	61-86
Sound Pressure Level	dB (A)	37/46	38 / 46	40 / 48	43 / 49	41 / 53
Indoor Unit Dimensions	in.	23.5 x 23.5 x 9.5	32.75 x 32.75 x 9.5	32.75 x 32.75 x 9.5	37.875 x 37.875 x 11.375	37.875 x 37.875 x 11.375
Outdoor Unit Model		WMMS-18C-U2B(58)4	WMMS-24C-U2B(58)4	WMMS-30C-U2B(58)4	WMMS-36C-U2B(58)4	WMMS-48C-U2B(58)4
Compressor Type		DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary
Compressor RLA	A	12.0	18.0	18.0	21.2	35.5
Fan Motor Power Output	HP	1/6	1/6	1/6	2/9	2 x 1/6
Fan Motor FLA	A	1.5	1.5	1.5	2.0	2 x 2.0
Max. Over Current Protection	A	25	40	40	45	70
Min. Current (MCA)	A	17.0	24.0	24.0	29.0	45.0
Outdoor Unit Air Flow Volume	CFM	2590	2590	2590	2590	2590
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Sound Pressure / Power Level	dB (A)	56/56	57 / 57	58 / 58	63 / 63	59 / 59
Cooling Operation Ambient Temp. Range	°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118
Heating Operation Ambient Temp. Range	°F	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75
R410A Refrigerant Factory Charge	ozs	49.6	78.4	84.8	123.2	140.8
Factory Charge for Pipe Length	ft.	25	25	25	25	25
Gas Additional Charge	oz/ft.	0.3	0.6	0.6	0.6	0.6
Outdoor Unit Dimensions	in.	37.6 x 27.5 x 14.1	38.625 x 31.125 x 15.5	38.625 x 31.125 x 15.5	43.625 x 43.25 x 15.75	37.75 x 53.125 x 14.75



Symphony Solo Recessed Fan Coil Single Zone M6 (58)4

Compatibility Table	Outdoor Unit Models	
		WMMS-09C-U2B(58)4 WMMS-12C-U2B(58)4 WMMS-18C-U2B(58)4 WMMS-24C-U2B(58)4 WMMS-30C-U2B(58)4 WMMS-36C-U2B(58)4 WMMS-48C-U2B(58)4

SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-18KF-U2B(58)4 ODU: WMMS-18C-U2B(58)4 IDU: WMMS-18EF-U2B(59)2		19800	17100	5400	23200	18800	4700	208-230/1/60	0°F	-4°F	16.0
WMMS-24KF-U2B(58)4 ODU: WMMS-24C-U2B(58)4 IDU: WMMS-24EF-U2B(59)2		29000	23800	7400	32400	27200	8200	208-230/1/60	0°F	-4°F	16.0
WMMS-30KF-U2B(58)4 ODU: WMMS-30C-U2B(58)4 IDU: WMMS-30EF-U2B(59)2		29600	28200	8200	33600	31200	8200	208-230/1/60	0°F	-4°F	16.0
WMMS-36KF-U2B(58)4 ODU: WMMS-36C-U2B(58)4 IDU: WMMS-36EF-U2B(59)2		39000	34000	10800	49500	41000	9800	208-230/1/60	0°F	-4°F	16.0
WMMS-48KF-U2B(58)4 ODU: WMMS-48C-U2B(58)4 IDU: WMMS-48EF-U2B(59)2		49500	48000	20400	58000	54500	17500	208-230/1/60	0°F	-4°F	16.0

System		WMMS-18KF-U2B(58)4	WMMS-24KF-U2B(58)4	WMMS-30KF-U2B(58)4	WMMS-36KF-U2B(58)4	WMMS-48KF-U2B(58)4
Power Supply	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Power Voltage Allowed Min./Max.	V	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253
Surge Protector In Incoming Power Supply		Recommended	Recommended	Recommended	Recommended	Recommended
Cooling Capacity	Btu/h	17100	23800	28200	34000	48000
Capacity Range	Btu/h	5400-19800	7400-29000	8200-29600	10800-39000	20400-49500
Cooling Power Input Max.	W	1750	2500	3700	4500	5600
Heating Capacity @ 47 °F	Btu/h	18800	27200	31200	41000	54500
Heating Power Input Min./Stand./Max.	Btu/h	4700-23200	8200-32400	8200-33600	9800-49500	17500-58000
Heating Power Input Max.	W	1900	2750	3500	4600	5500
Heating Capacity @ 17 °F	Btu/h	10900	16700	16700	24600	30600
SEER		16.0	16.0	16.0	16.0	16.0
EER		11.0	10.7	8.6	10.4	9.3
COP	W/W	3.3	3.4	3.0	3.2	3.1
HSPF		9.5	10.0	9.0	9.00	9.00
Gas Pipe Size	in.	1/2	5/8	5/8	5/8	5/8
Liquid Pipe Size	in.	1/4	3/8	3/8	3/8	3/8
Indoor Unit Model		WMMS-18EF-U2B(58)4	WMMS-24EF-U2B(58)4	WMMS-30EF-U2B(58)4	WMMS-36EF-U2B(58)4	WMMS-48EF-U2B(58)4
Air Flow Volume	CFM	362/585	570 / 820	587 / 820	950/1175	900 / 1470
Dehumidifying Volume	pt/hr	0.66	0.9	1.04	1.28	1.80
Fan Motor Power Output	HP	1/10	1/5	1/5	1/3	3/4
Fan Motor FLA	A	0.6	1.3	2.0	2.1	4.0
Set Temperature Range	°F	61-86	61-86	61-86	61-86	61-86
Sound Pressure Level	dB (A)	28 / 39	40 / 46	40 / 46	44 / 52	41 / 53
Max. Over Current Protection	A	15	15	15	15	15
Min. Current (MCA)	A	1.0	2.0	2.0	3.0	5.0
Indoor Unit Dimensions	in.	40.88 x 29.0 x 10.5	50.38 x 22.0 x 10.5	50.38 x 22.0 x 10.5	48.25 x 30.5 s 11.375	52.75 x 29.5 x 13.75
Outdoor Unit Model		WMMS-18C-U2B(58)4	WMMS-24C-U2B(58)4	WMMS-30C-U2B(58)4	WMMS-36C-U2B(58)4	WMMS-48C-U2B(58)4
Compressor Type		DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary
Compressor RLA	A	12.0	18.0	18.0	21.2	35.5
Fan Motor Power Output	HP	1/6	1/6	1/6	2/9	2 x 1/6
Fan Motor FLA	A	1.5	1.5	1.5	2.0	2 x 2.0
Max. Over Current Protection	A	25	40	40	45	70
Min. Current (MCA)	A	17.0	24.0	24.0	29.0	45.0
Outdoor Unit Air Flow Volume	CFM	2590	2590	2590	2590	2590
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Sound Pressure / Power Level	dB (A)	56 / 56	57 / 57	58 / 58	63 / 63	59 / 59
Cooling Operation Ambient Temp. Range	°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118
Heating Operation Ambient Temp. Range	°F	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75
R410A Refrigerant Factory Charge	ozs	49.6	78.4	84.8	123.2	140.8
Factory Charge for Pipe Length	ft.	25	25	25	25	25
Gas Additional Charge	oz/ft.	0.3	0.6	0.6	0.6	0.6
Outdoor Unit Dimensions (WHD)	in.	37.6 x 27.5 x 14.1	38.625 x 31.125 x 15.5	38.625 x 31.125 x 15.5	43.625 x 43.25 x 15.75	37.75 x 53.125 x 14.75



SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-18KU-U2B(58)4 ODU: WMMS-18C-U2B(58)4 IDU: WMMS-18EU-U2B(59)2		19800	17100	5400	23200	19100	4700	208-230/1/60	0°F	-4°F	17.0
WMMS-24KU-U2B(58)4 ODU: WMMS-24C-U2B(58)4 IDU: WMMS-24EU-U2B(59)2		27800	23800	8200	30600	27200	8200	208-230/1/60	0°F	-4°F	16.0
WMMS-30KU-U2B(58)4 ODU: WMMS-30C-U2B(58)4 IDU: WMMS-30EU-U2B(59)2		31400	28200	8800	33600	31200	8200	208-230/1/60	0°F	-4°F	17.0
WMMS-36KU-U2B(58)4 ODU: WMMS-36C-U2B(58)4 IDU: WMMS-36EU-U2B(59)2		39000	34000	10800	49500	41000	9800	208-230/1/60	0°F	-4°F	16.0
WMMS-48KU-U2B(58)4 ODU: WMMS-48C-U2B(58)4 IDU: WMMS-48EU-U2B(59)2		50500	48000	20400	61500	54500	17500	208-230/1/60	0°F	-4°F	16.0

Compatibility Table	Outdoor Unit Models	
		WMMS-09C-U2B(58)4
WMMS-12C-U2B(58)4		
WMMS-18C-U2B(58)4		WMMS-18EU-U2B(58)4 <input checked="" type="checkbox"/>
WMMS-24C-U2B(58)4		WMMS-24EU-U2B(58)4 <input checked="" type="checkbox"/>
WMMS-30C-U2B(58)4		WMMS-30EU-U2B(58)4 <input checked="" type="checkbox"/>
WMMS-36C-U2B(58)4		WMMS-36EU-U2B(58)4 <input checked="" type="checkbox"/>
WMMS-48C-U2B(58)4		WMMS-48EU-U2B(58)4 <input checked="" type="checkbox"/>

System		WMMS-18KU-U2B(58)4	WMMS-24KU-U2B(58)4	WMMS-30KU-U2B(58)4	WMMS-36KU-U2B(58)4	WMMS-48KU-U2B(58)4
Power Supply	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Power Voltage Allowed Min./Max.	V	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253
Surge Protector In Incoming Power Supply		Recommended	Recommended	Recommended	Recommended	Recommended
Cooling Capacity	Btu/h	17100	23800	28200	34000	48000
Capacity Range	Btu/h	5400-19800	8200-27800	8200-31400	10800-39000	20400-50500
Cooling Power Input Max.	W	1750	2500	3700	4600	5500
Heating Capacity @ 47 °F	Btu/h	19100	27200	31200	41000	54500
Heating Power Input Min./Stand./Max.	Btu/h	4700-23200	8200-30600	8200-33600	9800-49500	17500-61500
Heating Power Input Max.	W	1900	2750	3500	4800	5400
Heating Capacity @ 17 °F	Btu/h	10900	15700	18000	23400	28600
SEER		17.0	16.0	17.0	16.0	16.0
EER		11.0	10.7	10.4	10.4	8.7
COP	W/W	3.6	3.4	3.5	3.2	3.5
HSPF		9.5	10.0	9.0	9.0	9.0
Gas Pipe Size	in.	1/2	5/8	5/8	5/8	5/8
Liquid Pipe Size	in.	1/4	3/8	3/8	3/8	3/8
Indoor Unit Model		WMMS-18EU-U2B(58)4	WMMS-24EU-U2B(58)4	WMMS-30EU-U2B(58)4	WMMS-36EU-U2B(58)4	WMMS-48EU-U2B(58)4
Air Flow Volume	CFM	431 / 585	490 / 705	620 / 880	800 / 1115	935 / 1350
Dehumidifying Volume	pt/hr	0.76	0.99	1.23	1.51	1.99
Fan Motor Power Output	HP	1/5	1/5	1/5	1/5	1/3
Fan Motor FLA	A	0.6	0.6	1.4	1.4	2.1
Set Temperature Range	°F	61-86	61-86	61-86	61-86	61-86
Sound Pressure Level	dB (A)	32 / 42	40 / 48	38 / 46	46 / 53	46 / 55
Max. Over Current Protection	A	15	15	15	15	15
Min. Current (MCA)	A	1.0	1.0	2.0	2.0	3.0
Indoor Unit Dimensions	in.	48 x 27.5 x 8.875	48 x 27.5 x 8.875	55.875 x 27.5 x 9.625	55.875 x 27.5 x 9.625	66.875 x 27.5 x 9.625
Outdoor Unit Model		WMMS-18C-U2B(58)4	WMMS-24C-U2B(58)4	WMMS-30C-U2B(58)4	WMMS-36C-U2B(58)4	WMMS-48C-U2B(58)4
Compressor Type		DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary	DC Inverter Driven Rotary
Compressor RLA	A	12.0	18.0	18.0	21.2	35.5
Fan Motor Power Output	HP	1/6	1/6	1/6	2/9	2 x 1/6
Fan Motor FLA	A	1.5	1.5	1.5	2.0	2 x 2.0
Max. Over Current Protection	A	25	40	40	45	70
Min. Current (MCA)	A	17.0	24.0	24.0	29.0	45.0
Outdoor Unit Air Flow Volume	CFM	2590	2590	2590	2590	2590
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Sound Pressure / Power Level	dB (A)	56 / 56	57 / 57	58 / 58	63 / 63	59 / 59
Cooling Operation Ambient Temp. Range	°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118
Heating Operation Ambient Temp. Range	°F	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75	0 ~ 75
R410A Refrigerant Factory Charge	ozs	49.6	78.4	84.8	123.2	140.8
Factory Charge for Pipe Length	ft.	25	25	25	25	25
Gas Additional Charge	oz/ft.	0.3	0.6	0.6	0.6	0.6
Outdoor Unit Dimensions (WHD)	in.	37.6 x 27.5 x 14.1	38.625 x 31.125 x 15.5	38.625 x 31.125 x 15.5	43.625 x 43.25 x 15.75	37.75 x 53.125 x 14.75









Symphony Solo Ceiling Cassette Single Zone M7 (78)




SYSTEM MODELS	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			POWER	LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L		COOLING	HEATING	
WMMS-09K-V2B(78)1		10000	6800	3600	10500	7050	3600	208-230/1/60	5°F	-4°F	21.5
WMMS-12K-V2B(78)1		13500	8750	4000	14000	9000	4000	208-230/1/60	5°F	-4°F	20.5
WMMS-18K-V2B(78)1		19500	13000	6500	20000	13250	6500	208-230/1/60	5°F	-4°F	23.3
WMMS-24K-V2B(78)1		26500	17250	8000	26500	17250	8000	208-230/1/60	5°F	-4°F	20.5
WMMS-30K-V2B(78)1		26500	17250	8000	33500	22500	11500	208-230/1/60	5°F	-4°F	18.8
WMMS-36K-V2B(78)1		36500	24250	12000	36500	24250	12000	208-230/1/60	5°F	-4°F	17.6

System Model No.		WMMS-09K-V2B(78)1	WMMS-12K-V2B(78)1	WMMS-18K-V2B(78)1	WMMS-24K-V2B(78)1	WMMS-30K-V2B(78)1	WMMS-36K-V2B(78)1
ODU Model No.		WMMS-09C-V2B(78)1	WMMS-12C-V2B(78)1	WMMS-18C-V2B(78)1	WMMS-24C-V2B(78)1	WMMS-30C-V2B(78)1	WMMS-36C-V2B(78)1
IDU Model No.		WMMS-09E-V2B(78)1	WMMS-12E-V2B(78)1	WMMS-18E-V2B(78)1	WMMS-24E-V2B(78)1	WMMS-30E-V2B(78)1	WMMS-36E-V2B(78)1
Climate / Tech		T1 / INVERTER	T1 / INVERTER	T1 / INVERTER	T1 / INVERTER	T1 / INVERTER	T1 / INVERTER
Performance	Voltage, Frequency, Phase	V/Hz/Ph	208~230 / 60 / 1	208~230 / 60 / 1	208~230 / 60 / 1	208~230 / 60 / 1	208~230 / 60 / 1
	Cooling Capacity Rating	Btu/h	9000	12000	18000	24000	30000
	Cooling Capacity Ranges	Btu/h	3600-10000	4000-13500	6500-19500	8000-26500	11500-33500
	Heating Capacity Rating	Btu/h	9500	13000	19000	24500	31000
	Heating Capacity Ranges	Btu/h	3600-10500	4000-14000	6500-20000	8000-26500	11500-33500
	Rated Input-Cooling	W	670	920	1385	2035	2900
	Rated Input-Heating	W	730	1130	1595	2080	2700
	SEER	Btu/h / W	21.5	20.5	23.3	20.5	18.8
	HSPF	Btu/h / W	10.5	10.8	11.6	11.8	12.3
	EER for Cooling	W/W	13.43	13.04	13.00	11.73	10
	COP for Heating	Btu/h / W	13.01	11.50	11.90	11.78	8.5
	Moisture Removal	pts/hr.	1.9	2.53	3.2	5.1	6.3
	Air Circulation	CFM	341.37	364.91	647.43	706.29	1059.44
	R410A Refrigerant charge	Oz	33.5	40.9	54.7	66.3	73
	Indoor Sound Pressure (H/M/L/silence)	dB (A)	40 / 36 / 33 / 26	40 / 36 / 33 / 26	48 / 45 / 40 / 36	48 / 45 / 40 / 36	50 / 45 / 40 / 38
	Outdoor Sound pressure	dB (A)	53	53	55	58	60
	Airflow Indoor Unit (S/H/M/L)	CFM	412 / 380 / 351 / 276	412 / 380 / 351 / 276	635 / 577 / 482 / 383	635 / 577 / 482 / 383	1107 / 845 / 706 / 589
Airflow Outdoor Unit (H)	CFM	941.72	1177.15	1648.01	2354.31	2354.31	
Cooling Rated Current	Amp.	3.1	4.1	6.3	9.2	12.8	
Heating Rated Current	Amp.	3.3	5.0	7.2	9.3	12	
Cooling Current Ranges	Amp.	1.0 - 6.5	1.2 - 7.0	1.5 - 12	1.8 - 13	2.3 - 15	
Heating Current Ranges	Amp.	1.0 - 6.5	1.2 - 7.0	1.5 - 12	1.8 - 13	2.3 - 15	
Minimum Current Ampacity (MCA)	Amp.	10	10	15	20	25	
MAX. Operating Pressure for the Discharge Side at Cooling	PSIG	551	551	551	551	560	
MAX. Operating Pressure for the Suction Side at Cooling	PSIG	174	174	174	174	170	
Maximum Fuse Size (MFS)	Amp.	15	15	20	30	40	
Electrical	Compressor type	Rotary	Rotary	Rotary	Rotary	Rotary	
	Indoor motor speed S/H/M/L	RPM	1250 / 1100 / 9500	1250 / 1100 / 9500	1200 / 1040 / 880	1200 / 1040 / 880	1150 / 1000 / 850
	Outdoor DC motor	Yes	Yes	Yes	Yes	Yes	
	Outdoor motor power input	W	30	30	60	70	70
Outdoor motor speed H/M/L	RPM	880 / 650 / 450	800 / 650 / 450	840 / 650 / 500	850 / 550 / 500	850 / 550 / 500	
Condenser	Condenser material	Copper tube & Aluminum Fin	Copper tube & Aluminum Fin	Copper tube & Aluminum Fin	Copper tube & Aluminum Fin	Copper tube & Aluminum Fin	
	Number of rows	2	2	2	2	2	
	Tube outside dia. and type	in.	Ø 9/32	Ø 9/32	Ø 9/32	Ø 9/32	
	Fin spacing	in.	1/16	1/16	1/16	1/16	
	Liquid Pipe Diameter	in.	1/4	1/4	1/4	3/8	
Gas Pipe Diameter	in.	3/8	3/8	1/2	5/8		
ODU Cooling Working Temp. Range	°F	5° - 115°	5° - 115°	5° - 115°	5° - 115°	5° - 115°	
ODU Heating Working Temp. Range	°F	-4° - 75°	-4° - 75°	-4° - 75°	-4° - 75°	-4° - 75°	
IDU Remote Operation Temp. Range	°F	61° - 86°	61° - 86°	61° - 86°	61° - 86°	61° - 86°	
Performance Testing Standard		ARI 210-240	ARI 210-240	ARI 210-240	ARI 210-240	ARI 210-240	
Certifications		ETL / AHRI	ETL / AHRI	ETL / AHRI	ETL / AHRI	ETL / AHRI	
Dimensions	Indoor Unit Dimensions W x H x D	in.	32.88 x 11 x 8.69	32.88 x 11 x 8.69	43.31 x 12.81 x 9.63	43.31 x 12.81 x 9.63	50.38 x 14.19 x 10.25
	Outdoor Unit Dimensions W x H x D	in.	28.13 x 19 x 9.7/16	31.88 x 23 x 11	33.88 x 25.56 x 12.19	34.88 x 31.31 x 14.38	34.88 x 31.31 x 14.38
	Indoor Unit Weight Net/Gross	lbs	18.75 / 24.25	19.84 / 24.25	32 / 37.5	32 / 37.5	43 / 50.7
	Outdoor Unit Weight Net/Gross	lbs	59.52 / 66.14	72.75 / 79.37	99.2 / 108	123.5 / 141	127.86 / 138.89



Symphony Choir Multi Zone M6 (59)4 Outdoor Units

Compatibility Table	Outdoor Units					
		Wall Mount EW	Console EL	Recessed Fan Coil EF	Ceiling Cassette EW	Floor/Ceiling Mount EW
	WMMS-30K-V2B(59)4	EW 9k <input checked="" type="checkbox"/>	EC 9k <input checked="" type="checkbox"/>			
	WMMS-36K-V2B(59)4	EW 12k <input checked="" type="checkbox"/>	EC 12k <input checked="" type="checkbox"/>			
	WMMS-42K-V2B(59)4	EW 18k <input checked="" type="checkbox"/>	EC 18k <input checked="" type="checkbox"/>	EF 18k <input checked="" type="checkbox"/>	EC 18k <input checked="" type="checkbox"/>	EU 18k <input checked="" type="checkbox"/>
	WMMS-48K-V2B(59)4	EW 24k <input checked="" type="checkbox"/>		EF 24k <input checked="" type="checkbox"/>	EC 24k <input checked="" type="checkbox"/>	EU 24k <input checked="" type="checkbox"/>
	WMMS-60K-V2B(58)4	EW 30k <input checked="" type="checkbox"/>		EF 30k <input checked="" type="checkbox"/>	EC 30k <input checked="" type="checkbox"/>	EU 30k <input checked="" type="checkbox"/>
	WMMS-80K-V2B(58)4	EW 36k <input checked="" type="checkbox"/>		EF 36k <input checked="" type="checkbox"/>	EC 36k <input checked="" type="checkbox"/>	EU 36k <input checked="" type="checkbox"/>
	WMMS-90K-V2B(58)4			EF 48k <input checked="" type="checkbox"/>	EC 48k <input checked="" type="checkbox"/>	EU 48k <input checked="" type="checkbox"/>

MODELS 208-230/1/60	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L	COOLING	HEATING	
WMMS-30CH-V2B(59)4 1 - 2 zones		30000	18000	7200	32000	19000	6500	5°	-4°	22
WMMS-36CH-V2B(59)4 1 - 3 zones		36000	24000	10000	38000	29500	9000	5°	-4°	21
WMMS-42CH-V2B(59)4 1 - 4 zones		48000	28000	10000	50000	31000	9000	5°	-4°	21
WMMS-48CH-V2B(59)4 1 - 5 zones		57000	30000	10000	59000	33000	9000	5°	-4°	21
WMMS-60CH-V2B(59)4 1 - 5 zones		60000	42000	12000	64000	46000	10000	5°	-4°	21

Outdoor Unit Models		WMMS-30CH-V2B(59)4 (1 to 2)	WMMS-36CH-V2B(59)4 (2 to 3)	WMMS-42CH-V2B(59)4 (2 to 4)	WMMS-48CH-V2B(59)4 (2 to 5)	WMMS-60CH-V2B(59)4 (2 to 5)
Power Supply		208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Cooling Capacity* (Btu/h)	Max. IDU Cap. Total 2	30,000 (2 Thermal Zones)	36,000 (2 Thermal Zones)	42,000 (2 Thermal Zones)	48,000 (2 Thermal Zones)	60,000 (2 Thermal Zones)
	Rated 1	18,000	24,000	28,400	34,000	39,000
	Min.	7,000	7,500	8,200	8,900	8,870
Total Power Input in Cooling Mode* (W)	Max.	2300	3300	4500	4500	5100
	Rated	1550	2250	2600	2600	3950
	Min.	650	800	900	1000	1200
SEER		22.00	21.00	21.00	21.00	21.00
HSPF	Btu/h/ W	10.50	10.50	10.50	10.50	10.20
Heating Capacity* (Btu/h)	Max. IDU Cap. Total 2	32,000	38,000	50,000	59,000	64,000
	Rated 1	19,000	26,000	30,000	42,500	45,000
	Min.	7,000	7,500	8,200	8,900	8,870
Total Power Input in Heating Mode*	Max.	2400	3000	3500	3500	4800
	Rated	1750	2500	2920	2920	4400
	Min.	650	800	900	1000	1200
Liquid Valve Size	In	2 x 1/4"	3 x 1/4"	4 x 1/4"	5 x 1/4"	5 x 1/4"
Gas Valve Size	In	2 x 3/8"	3 x 3/8"	4 x 3/8"	5 x 3/8"	5 x 3/8"
L.R.A.	A	27	45	45	45	55
Compressor RLA	A	10.82	15.82	13.9	15.6	17.8
Compressor Power Input	W	1440	2550	4150	4150	4150
MCA	A	16	23	20-All IDUs EW / 30-All IDUs EC or EU	23-All IDUs EW / 40-All IDUs EC or EU	24
Fuse or Circuit Breaker (HVAC Type)	A	25	30	30-All IDUs EW / 40-All IDUs EC or EU	35-All IDUs EW / 45-All IDUs EC or EU	40-All IDUs EW / 50-All IDUs EC or EU
Throttling Method		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Recommended Working Ambient Temp Ranges	°F	AC: 0 ~ 118 HP:-4 ~ 75	AC: 0 ~ 118 HP:-4 ~ 75	AC: 0 ~ 118 HP:-4 ~ 75	AC: 0 ~ 118 HP:-4 ~ 75	AC: 0 ~ 118 HP:-4 ~ 75
Condenser		Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor RLA	A	0.62	0.59	0.68	0.82	0.82
Max. Operating Pressure at High Side	PSI	550	550	550	550	550
Max. Operating Pressure at Low Side	PSI	240	240	240	240	240
Sound Pressure Level dB (H/L)	A	56	59	59	61	61
Sound Power Level dB (H/L)	A	63	69	69	71	71
Outdoor Unit Dimensions (W x H x D)	In.	38 x 27.6 x 13.4	38.6 x 31.1 x 13.4	38.4 x 31.1 x 14.6	42.75 x 43.38 x 17.63	42.75 x 43.38 x 17.31
Package Dimensions (W x H x D)	In.	40.5 x 29.53 x 18.03	42.63 x 33.63 x 19.22	42.63 x 33.63 x 19.22	45.56 x 48.63 x 19.75	45.63 x 48.63 x 19.38
Net /Gross Weight	LBs	114.6 / 124.5	153 / 164	154 / 169.75	198.4 / 216	198.4 / 216
R410A Refrigerant Charge for 25'	LBs	3.53	4.85	6.17	8.05	8.05
Maximum drive IDU NO.		2	3	4	5	5




Symphony Choir Multi Zone M6 (59)2S Outdoor Units

MODELS 208-230/1/60	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			LOWEST AMB. TEMP.		SEER
		H	M	L	H	M	L	COOLING	HEATING	
WMMS-80CH-V2B(59)2 6 - 9 zones		80,000 Btu/h TOTAL OF ALL INDOOR UNITS BRANCH BOXES REQUIRED						5°F	-4°F	16
WMMS-90CH-V2B(59)2 6 - 9 zones		90,000 Btu/h TOTAL OF ALL INDOOR UNITS BRANCH BOXES REQUIRED						5°F	-4°F	16

Model		WMMS-80CH-V2B(59)2	WMMS-90CH-V2B(59)2
Allowed Capacity Rating Totals-All Indoor Units	Btu/h	80,000 (2 Thermal Zones)	90,000 (2 Thermal Zones)
Cooling Capacity-Rating	Btu/h	47,800	52,900
Min. Cooling Capacity	Btu/h	3,412	3412
Max. Cooling Capacity	Btu/h	54,592	61,416
Heating Capacity-Rating	Btu/h	54,600	61,400
Min. Heating Capacity	Btu/h	4094	4094
Max. Heating Capacity	Btu/h	59,369	63,122
EER	W/W	2.80	2.77
EER	Btu/h / W	9.56	9.45
COP	Btu/h / W	12.41	11.81
SEER	Btu/h / W	16	16
HSPF	Btu/h / W	8	8
Air Flow Volume	CFM	3766	4120
Sound Pressure Level Low-High	dB(A)	43 - 57	43 - 58
Rated Input Ele. Power Supply	V	208-230 / 1 / 60	208-230 / 1 / 60
Fuse Current	A	50	50
HVAC Type Circuit Breaker	A	50	50
Cooling Power Input	KW	5.00	5.60
Heating Power Input	KW	4.40	5.20
Rated Power Input	KW	5.60	6.50
Compressor Type1	-	Inverter Rotary	Inverter Rotary
Compressor Rated Load Amp (RLA)	A	23.00	23.00
Compressor Locked Rotor Amp (L.R.A)	A	-	-
Chassis Electrical Heater Power Input	W	140	140
Chassis Electrical Heater Current	A	0.6	0.6
Motor Full Load Amp(FLA)	A	1	2
Fan Motor Speed High to Low	RPM	784 / 680 / 576 / 480 / 384 / 280	864 / 760 / 608 / 464 / 352 / 280
Fan Motor Power Output	W	120W	120W
Fan Motor Power Input	W	150W	150W
Permissible Excessive Operating Pressure for the Discharge Side	PSI	580	580
Permissible Excessive Operating Pressure for the Suction Side	PSI	145	145
Cooling Operation Ambient Temperature Range	°F	5 ~ 118	5 ~ 118
Heating Operation Ambient Temperature Range	°F	-4 ~ 75	-4 ~ 75
Maximum IDU Qty.	Unit	8	9
R410A Refrigerant Charge	lbs	10.9	10.9
Dimension of Unit Net (WxDxH)	Inch	35.4 x 14.8 x 53.1	35.4 x 14.8 x 53.1
Net Weight	lbs	256	256
Ref. Valve Connection		Flare	Flare
Unit is Precharged for Maximum Pipe Length	Ft	null	null
Refrigerant Charging Port		YES	YES
Connection Pipe Liquid Pipe Outer Diameter	Inch	3/8"	3/8"
Connection Pipe Gas Pipe Outer Diameter	Inch	3/4"	3/4"
Maximum allowable lengths	Between outdoor unit and BU	≤ 180	≤ 180
	Between outdoor unit and indoor unit	≤ 260	≤ 300
	Between BU module and indoor unit	≤ 50	≤ 50
	Between indoor unit and the 1st branch	≤ 130	≤ 130
Maximum allowable Elevation difference	Between outdoor and indoor units	≤ 100	≤ 100
	Between outdoor units and BU	≤ 100	≤ 100
	Between BU module and indoor unit	≤ 50	≤ 50
	Between indoor unit and the 1st branch	≤ 50	≤ 50
Minimum allowable length	Between outdoor and indoor units	≤ 15	≤ 15
	Between outdoor units and BU	≤ 15	≤ 15



Symphony Choir Multi Zone M6 (59)2 and 4 Indoor Units

PRODUCT NAME	MODELS 208-230/1/60	IMAGE	COOLING (Btu/h)			HEATING (Btu/h)			STD. CONTROL	OPT. CONTROL	SEER
			H	M	L	H	M	L			
Symphony Choir Ceiling Cassette Multiple Zone M6 (59)2	WMMS-12EC-V2B(59)2		13900	12000	5200	13000	13600	9000	Remote	Wired Wall Controller or Bridge Controller & Thermostat	16-21
	WMMS-18EC-V2B(59)2		20800	16000	6200	18100	17000	13100			16-21
	WMMS-24EC-V2B(59)2		26500	22800	9600	27400	27300	20600			16-21
Symphony Choir Wall Mount Multiple Zone M6 (59)2	WMMS-09EW-V2B(59)2		12000	9000	4400	9500	8800	8000	Remote	Bridge Controller & Thermostat	16-21
	WMMS-12EW-V2B(59)2		14000	12000	4500	13000	11600	9100			16-21
	WMMS-18EW-V2B(59)2		21500	17000	6800	18700	16600	13800			16-21
	WMMS-24EW-V2B(59)2		26500	22800	9600	27400	23600	20600			16-21
Symphony Choir Wall Mount Multiple Zone M6 (59)4	WMMS-09EW-V2B(59)4		12000	9000	4400	12500	11000	8000	Remote	Bridge Controller & Thermostat	21-27
	WMMS-12EW-V2B(59)4		14000	12000	4500	14000	13000	9100			21-27
	WMMS-18EW-V2B(59)4		21500	18000	6800	20800	19600	13800			21-27
	WMMS-24EW-V2B(59)4		26500	22800	9600	28800	27800	20600			21-27
Symphony Choir Floor, Ceiling Mount Multiple Zone M6 (59)2	WMMS-09EU-V2B(59)2		10700	8500	4600	10500	9500	8000	Remote	Wired Wall Controller or Bridge Controller & Thermostat	16-21
	WMMS-12EU-V2B(59)2		14100	11900	5900	14600	13100	9100			16-21
	WMMS-18EU-V2B(59)2		19500	17000	6800	20100	18700	13800			16-21
	WMMS-24EU-V2B(59)2		26500	22800	9600	27400	27800	20600			16-21
Symphony Choir Recessed Fan Coil Multiple Zone M6 (59)2	WMMS-09EF-V2B(59)2		10700	8500	4600	10500	9550	8000	Wired Wall Controller	Remote or Bridge Controller & Thermostat	16-21
	WMMS-12EF-V2B(59)2		14100	11900	5900	13100	11600	9100			16-21
	WMMS-18EF-V2B(59)2		18800	15700	6800	20500	18700	13800			16-21
	WMMS-24EF-V2B(59)2		26500	23800	9600	28900	27400	20600			16-21
Symphony Choir Recessed Fan Coil Multiple Zone M6 (59)4	WMMS-09EF-M2B(59)4		10700	8500	4600	10500	9550	8000	Wired Wall Controller	Remote or Bridge Controller & Thermostat	
	WMMS-12EF-M2B(59)4		14100	11900	5900	13100	11600	9100			
	WMMS-18EF-M2B(59)4		18800	15700	6800	20500	18700	13800			
	WMMS-24EF-M2B(59)4		26500	23800	9600	28900	27400	20600			
Symphony Choir Console Wall/ Floor Mount Multiple Zone M6 (59)2	WMMS-09EL-V2B(59)2		10700	8800	4600	9500	9500	8000	Remote	Wired Wall Controller or Bridge Controller & Thermostat	16-21
	WMMS-12EL-V2B(59)2		14100	11900	5900	13100	12900	9100			16-21
	WMMS-18EL-V2B(59)2		21500	18000	6800	20700	19000	13800			16-21



YMGI Group Limited Warranty

Any YMGI Group distributor (hereinafter “Company”) warrants this product against failure due to defect in materials or workmanship under normal use and maintenance as follows. All warranty periods begin on the date of original installation. If the date cannot be verified, the warranty period begins one hundred twenty (120) days from date of manufacture. Damage resulting from failure to use, install or maintain the product in a manner consistent with our/manufacture’s recommendations shall render the warranty void. YMGI Group, at it’s option, may request a report from a qualified technician prior to honoring a warranty claim. If a part fails due to defect during the applicable warranty period, the YMGI Group Company will provide a new or re-manufactured part, at the Company’s option, to replace the failed defective part at no charge. This Limited Time Warranty is subject to all provisions, conditions, limitations and exclusions listed below.

- A warranty period of Seven (7) years on compressor to the original registered end-user.
- A warranty period of Two (2) years on all parts to the original registered end user.
- A warranty period of One (1) year on the remote control provided with the original unit.
- Limited warranty applies only to systems that are properly installed by a state certified or licensed HVAC contractor, under applicable local and state law in accordance with all applicable building codes and permits; YMGI Installation and operation instructions and good trade practices.
- Warranty applies only to products remaining in their original installation location.
- Defective parts must be returned to the distributor through a registered servicing dealer for credit.

LIMITATIONS OF WARRANTIES:

ALL IMPLIED WARRANTIES AND/OR CONDITIONS (INCLUDING IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE) ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. SOME STATES OR PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS, SO THE ABOVE MAY NOT APPLY TO YOU. THE EXPRESS WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

THIS WARRANTY DOES NOT COVER:

1. Labor of other costs incurred for diagnosing, repairing, removing, installing, shipping or handling of either defective parts, or replacement parts, or new units.
2. Product cleaning required prior to warranty service or repair.
3. Normal maintenance as outlined in the installation and servicing instructions or Owner’s Manual, including filter cleaning and/or replacement of lubrication.
4. Failure, damage or repairs due to faulty installation, misapplication, abuse, improper servicing.
5. Failure to start due to voltage conditions, blown fuses, open circuit breakers, or damages due to the inadequacy or interruption of electrical service.
6. Failure or damage due to floods, winds, fires, lightning, accidents, corrosive environments (rust, etc.) or other conditions that are beyond the control of the Company.
7. Failure or damage of coils or piping due to corrosion on installations within one (1) miles of sea coast or corrosive body.
8. Parts not supplied or designated by Company, or damages resulting from their use.
9. Product installed outside the continental USA and Canada.
10. Electricity or fuel costs, increases in electricity or fuel costs for any reason whatsoever, including additional or unusual use of supplemental electric heat.
11. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
12. Shipping damage or damage as a result of transporting the unit.
13. Accessories such as condensate pumps, line sets and so forth are not covered.
14. Any special, indirect or consequential property or commercial damage of any nature whatsoever. Some states or provinces do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

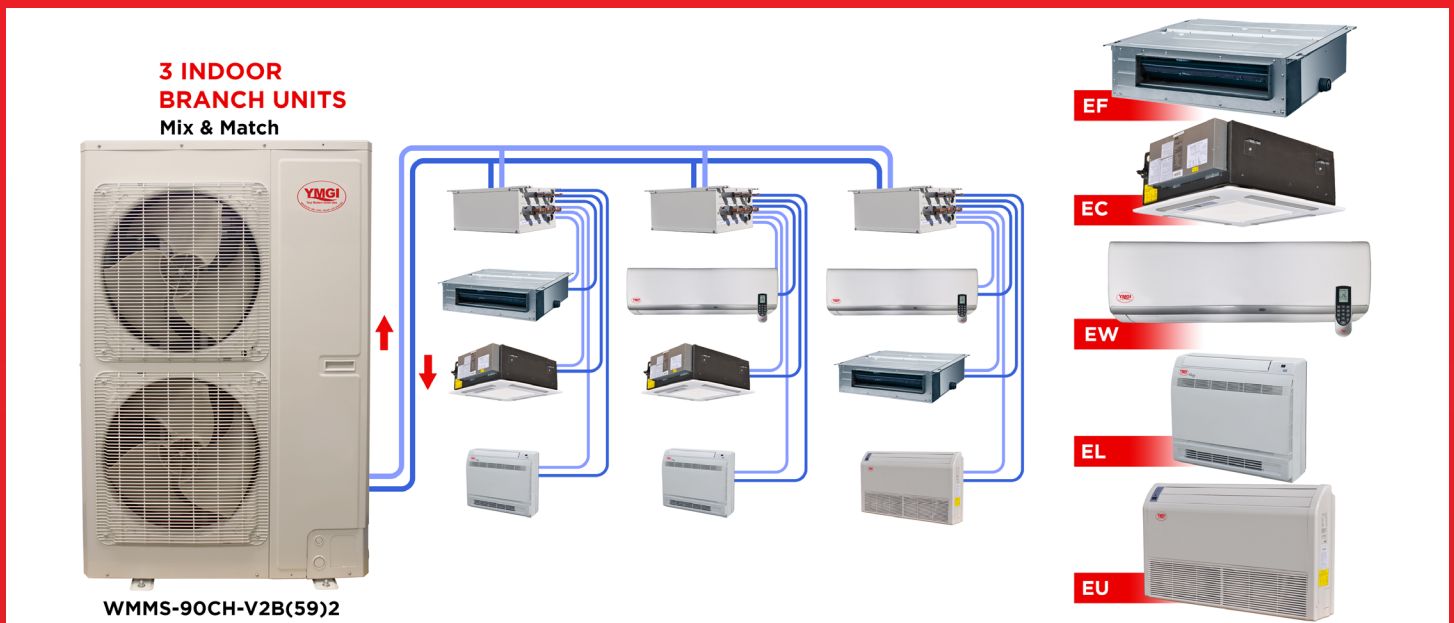
This warranty give you specific legal rights, and you may also have other rights which vary from state to state or province to province.

Warranty Procedure

- Unit must be installed by a licensed HVAC Technician to qualify for Limited Warranty
- Register the unit for Limited Warranty within 60 days of installation
- If unit is not registered within 60 days of installation, the Limited Warranty will be void.
- Warranty forms and instructions can be found in the Installation Manual, and www.YMGIGroup.com.
- For troubleshooting and Error Codes, please refer to online resources at www.YMGIGroup.com.
- If you are in need of Technical Support or warranty assistance, prepare the following information before calling YMGI Group support at (866)833-3138.
- Model/Serial Number
- Date of Unit Installation
- Place of Purchase
- If it is determined that the unit is covered under the Limited Warranty and requires replacement parts, the parts will be provided at no cost, although shipping and handling will need to be covered by the customer. If the unit is not yet registered, but still within the 60 day registration period, we will require proof of purchase and proof of installation in order to register and complete the parts replacement request.



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YMGI is dedicated to designing, manufacturing and distributing the highest quality, energy saving and environmentally friendly air conditioner and heat pump products, while providing the best service and support to all of our customers. Our mission is to help build a sustainable, efficient and green world.

- **Symphony SOLAR DC Inverter**
(56) Single PV, (79) Single PH 12-18K Btu/h
(86) Single Zone All DC 09-24K Btu/h
(55) Multi Zone Solar VRF 3, 4, 8, 16, and 24 Ton.
- **Symphony SOLO DC Inverter**
(57)2,3 Single Zone 16 SEER, 09-36K Btu/h
(58)4, (78)1-Single Zone 18-23 SEER, 09-36K Btu/h
- **Symphony CHOIR DC Inverter**
(46)2 DC Inverter Multiple Zone 15 SEER, 2x09K and 2x12K Btu/h
(59)2S-DC Inverter Multiple Zone 16 SEER 6x09K to 9x09K Btu/h
(59)4-DC Inverter Multiple Zone 21 SEER 2x09K to 5x12K Btu/h
- **Symphony VRF - DC Inverter HP, Heat Recovery, and Solar.**
Up to 64 zones.
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