

No. YMGI Specifications: DC Inverter Mini Split Heat Pump-Multiple Zone-(59)4 Outdoor Units 21SEER							
	Model	Units	WMMS-30CH-V2B(59)4	WMMS-36CH-V2B(59)4	WMMS-42CH-V2B(59)4	WMMS-48CH-V2B(59)4	WMMS-60CH-V2B(59)4
1	Cooling Capacity Rating-Standard Comp. Speed	Btu/h	18000	24000	28400	34000	39000
2	Min./Max. Cooling Capacity	Btu/h	6998 / 21000	7500 / 33000	8189 / 33438	8871 / 35826	8871 / 40944
3	Heating Capacity Rating-Standard Comp. Speed	Btu/h	19000	26000	30000	42500	45000
4	Min./Max. Heating Capacity	Btu/h	7000 / 22600	7500 / 27978	8189 / 32414	8871 / 44356	8871 / 46062
5	Max. Allowed IDU Qty./Capacity Total	# / Btu/h	2 / 30,000	3 / 36,000	4 / 42,000	5 / 48,000	5 / 60,000
6	EER W/W, (Btu/h)/W	W/W	3.66 / 12.50	3.66 / 12.5	3.66 / 12.5	3.66 / 12.5	3.06 / 10.4
7	COP W/W, (Btu/h)/W	W/W	3.66 / 12.50	3.72 / 12.70	3.74 / 12.76	3.70 / 12.62	3.61 / 12.33
8	SEER / HSPF	—	22.00 / 10.50	21.00 / 10.50	21.00 / 10.50	21.00 / 10.50	21.00 / 10.20
9	Air Flow Volume	CFM	1883	2354	2354	4531	4531
10	Sound Pressure / Power Level	dB(A)	56 / 63	59 / 69	59 / 69	61 / 71	61 / 71
11	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
12	Power Cable Conductor Minimum Size	AWG	AWG 14, Following NEC	AWG12, Following NEC	AWG12, Following NEC	AWG10, Following NEC	AWG10, Following NEC
13	Recommended HVAC Type Circuit Breaker Size	Amp.	20	30	30	40	40
14	Power Input Cooling / Heating / Rated	KW	1.44 / 1.52 / 2.80	1.92 / 2.05 / 3.60	2.27 / 2.35 / 3.80	2.72 / 3.37 / 3.80	3.65 / 3.74 / 4.00
15	Current Input Cooling / Heating / Rated	A	6.26 / 6.61 / 12.42	8.35 / 8.90 / 15.97	9.87 / 10.22 / 16.86	11.84 / 14.64 / 16.86	16.50 / 16.00 / -
16	Compressor Type, Model	—	Inverter Rotary, LD QXA-B141zF030A	Inverter Rotary, LD QXAS-D32zX090B	Inverter Rotary, LD QXAS-D32zX090A	Inverter Rotary, LD QXAS-D32zX090A	Inverter Rotary, LD QXAS-D32zX090A
17	Compressor Capacity / Input	W	4320 / 1440	7250 / 2550	12300 / 4150	12300 / 4150	12300 / 4150
18	Compressor RLA / LRA	A	10.82 / -	15.82 / -	13.9 / -	15.6 / -	17.8 / -
19	Compressor Thermal Protector	—	Exterior 1NT11L—6233	Exterior 1NT11L—6233	Exterior 1NT11L—6233	Exterior 1NT11L—6233	Exterior 1NT11L—6233
20	Compressor Crankcase Heater	W	25	40	40	40	40
21	Compressor Oil Type, Charge	-, OZs	RB68EP, 13.7	RB68EP, 33.4	FV50S, 35.2	FV50S, 35.2	FV50S, 35.2
22	De-Ice/Snow Heater Power Input	W	96	96	96	96	96
23	De-Ice/Snow Heater Current	A	0.4	0.4	0.4	0.4	0.4
24	Fan Type / Qty. / Diameter-Height	—	Axial-flow / 1 / D550-H65mm	Axial-flow / 1 / D550-H66mm	Axial-flow / 1 / D550-H120mm	Axial-flow / 1 / D570-H152mm	Axial-flow / 1 / D570-H152mm
25	Motor Model / Type	—	LW60M-ZL, DC	LW92K-ZL, DC	SWZ150A, DC	SWZ150B, DC	SWZ150B, DC
26	Motor Insulation Class, Safe Class	—	E, IPX4	B or E, IPX4	E, IPX4	E, IPX4	E, IPX4
27	Fan Motor Drive Type, Speed	—	Director Drive, 630	Director Drive, 800	Director Drive, 850	Director Drive, 880	Director Drive, 880
28	Fan Motor Power Output / Input	W	60 / -	90 / -	100 / 150	170 / 240	170 / 240
29	Motor Full Load Amp (FLA)	A	-	-	0.68	0.82	0.82
30	Condenser Materials	—	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
31	Permissible Operating Pressure for the Discharge/Suction Sides	PSI	600 / 360	600 / 360	600 / 360	600 / 360	600 / 360
32	High/Low Pressure Overload Protector	PSI	580 / -	580 / -	580 / -	580 / -	580 / -
33	Cooling Operation Ambient Temperature Range	F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118
34	Heating Operation Ambient Temperature Range	F	-4 ~ 75	-4 ~ 75	-4 ~ 75	-4 ~ 75	-4 ~ 75
35	Defrosting Method of Heat Pump in Low Temperature Ambient	--	Automatic Reversing, Fan Cycling	Automatic Reversing, Fan Cycling	Automatic Reversing, Fan Cycling	Automatic Reversing, Fan Cycling	Automatic Reversing, Fan Cycling
36	Pressure Maintenance Method in Low Temperature Cooling	--	Automatic Fan Speed Control, Cycling	Automatic Fan Speed Control, Cycling	Automatic Fan Speed Control, Cycling	Automatic Fan Speed Control, Cycling	Automatic Fan Speed Control, Cycling
37	Overload Protector	—	Current+Temperature	Current+Temperature	Current+Temperature	Current+Temperature	Current+Temperature
38	Designed for Climate Type, Moisture Protection	—	T1, IPX4	T1, IPX4	T1, IPX4	T1, IPX4	T1, IPX4
39	Refrigerant, Charge	LBs	R410A, 3.5	R410A, 4.8	R410A, 6.2	R410A, 8.0	R410A, 8.0
40	Metering Device	—	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
41	Flare/Nut Valve Size-Liquid	Inch	1/4, 1/4	1/4, 1/4, 1/4	1/4, 1/4, 1/4, 1/4	1/4, 1/4, 1/4, 1/4, 1/4	1/4, 1/4, 1/4, 1/4, 1/4
42	Flare/Nut Valve Size-Gas	Inch	3/8, 3/8	3/8, 3/8, 3/8	3/8, 3/8, 3/8, 3/8	3/8, 3/8, 3/8, 3/8, 3/8	3/8, 3/8, 3/8, 3/8, 3/8
43	Min. Allowed Copper Line Length/Unit	Ft.	15	15	15	15	15
44	Max. Allowed Copper Line Length-outdoor to last indoor unit	Ft.	65	65	80	80	80
45	Max. Elevation Difference Allowed-outdoor unit is below all indoor units	Ft.	35, Oil Trap is Not Needed	35, Oil Trap is Not Needed	50, Oil Trap is Not Needed	50, Oil Trap is Not Needed	50, Oil Trap is Not Needed
46	Max. Elevation Difference Allowed-outdoor unit is above indoor units	Ft.	35, Oil Trap is Suggested Every 18'	35, Oil Trap is Suggested Every 18'	50, Oil Trap is Suggested Every 25'	50, Oil Trap is Suggested Every 25'	50, Oil Trap is Suggested Every 25'
47	Max. Copper Line Length (all together)	Ft.	130	195	220	246	246
48	No Additional Refrigerant Needs to be Added, If Copper Line Length Total is Less Than	Ft.	60	100	120	150	150
49	Refrigerant Charge Rate, If Needed, by Weight/Ft. of Extra Liquid Line Length	Ozs/Ft.	2.32	2.32	2.32	2.32	2.32
50	Dimension of Unit Outline (WxDxH)	Inch	37.6x15.6x27.6	38.6x16.8x31.1	38.6x16.8x31.1	42.8x17.3x43.4	42.8x17.3x43.4
51	Dimension of Package (WxDxH)	Inch	40.5x18.0x29.5	42.6x19.2x33.7	40.6x19.2x33.7	45.6x19.4x48.6	45.6x19.4x48.6
52	Weight-Net / Gross	LBs	115 / 124	153 / 164	154 / 170	198 / 216	198 / 216
53	Loading Quantity (20'/40GP/40HQ)	Units	81 / 171 / 171	44 / 96 / 144	44 / 96 / 144	22 / 48 / 86	22 / 48 / 86