



# SYMPHONY SOLO (78)1 Wall Mount Mini-Split Heat Pumps

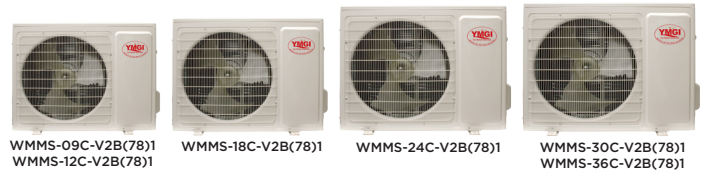
## Wall Mount Single Zone Mini Split System

- 18k, 24k, 30k, 36 and 48k BTU Cooling & Heating Capacities
- 17.6-23.3 SEER
- Washable and Reusable Particulate Air Filters
- Remote Control
- Optional Wi-Fi Control
- Environmentally Friendly R410A Refrigerant



### YMGI Wall Mounted Indoor Unit

The SOLO (78)1 Series uses a Wall Mounted evaporator unit that provides quiet and efficient heating and cooling. The (78)1 Series is designed to work for any single room application. It features a large LED display that shows the set temperature and operating mode. A motorized louver system helps distribute air evenly throughout the space, providing quiet and precise climate control for your living or work environment.



### YMGI DC Inverter Outdoor Unit

The SOLO (78)1 Outdoor Units have SEER ratings of 17.6 to 23.3 with heating and cooling capacities of 9k to 36k. The Outdoor Units are powered by 208-230 volt, 1 phase, 60Hz. The (78)1 Series is ideal for large open spaces that only require a single heating and cooling zone, such as studio apartments, garages, gyms, offices, etc. The (78)1 Outdoor Units are precharged with environmentally friendly R410A refrigerant. The compact design allows for ground installation, or mounting in a variety of discreet locations, including on a wall, under a deck or even on a balcony.

### Simple To Install

The (78) Series Heat Pump units the indoor unit uses an integrated mounting plate and requires a 3" hole for conduit. The conduit houses the condensate drain hose, refrigerant pipes and electrical wiring.



### Accessories

PVC Foot Risers

Wall Mount Brackets



The (78)1 Series offers an optional Wi-Fi control that's easy to install and let's you control your system using a smart phone app.



# Wall Mount DC Inverter Mini-Split Heat Pumps (78)1

Available in 18k, 24k, 30k, 36k, and 48k Models

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
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	208-230 / 60 / 1
Cooling Capacity Rating	Btu/h	9000	12000	18000	24000	30000	33,000
Cooling Capacity Ranges	Btu/h	3600-10000	4000-13500	6500-19500	8000-26500	11500-33500	12000-36500
Heating Capacity Rating	Btu/h	9500	13000	19000	24500	31000	33,500
Heating Capacity Ranges	Btu/h	3600-10500	4000-14000	6500-20000	8000-26500	11500-33500	12000-36500
Rated Input-Cooling	W	670	920	1385	2035	2900	3300
Rated Input-Heating	W	730	1130	1595	2080	2700	3100
SEER	Btu/h / W	21.5	20.5	23.3	20.5	18.8	17.6
HSPF	Btu/h / W	10.5	10.8	11.6	11.8	12.3	9.6
EER for Cooling	W/W	13.43	13.04	13.00	11.73	10	10
COP for Heating	Btu/h / W	13.01	11.50	11.90	11.78	8.5	10.81
Moisture Removal	pts/hr.	1.9	2.53	3.2	5.1	6.3	6.8
Air Circulation	CFM	341.37	364.91	647.43	706.29	1059.44	1059.44
R410A Refrigerant charge volume	Oz	33.5	40.9	54.7	66.3	73	79.4
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	50 / 45 / 40 / 38
Outdoor Sound pressure	dB (A)	53	53	55	58	60	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	1107 / 845 / 706 / 589
Airflow Outdoor Unit (H)	CFM	941.72	1177.15	1648.01	2354.31	2354.31	2354.31
Cooling Rated Current	Amp.	3.1	4.1	6.3	9.2	12.8	14.8
Heating Rated Current	Amp.	3.3	5.0	7.2	9.3	12	13.8
Cooling Current Ranges	Amp.	1.0 - 6.5	1.2 - 7.0	1.5 - 12	1.8 - 13	2.3 - 15	2.5 - 17
Heating Current Ranges	Amp.	1.0 - 6.5	1.2 - 7.0	1.5 - 12	1.8 - 13	2.3 - 15	2.5 - 17
Minimum Current Ampacity (MCA)	Amp.	10	10	15	20	25	25
MAX. Operating Pressure for the Discharge Side at Cooling	PSIG	551	551	551	551	560	560
MAX. Operating Pressure for the Suction Side at Cooling	PSIG	174	174	174	174	170	170
Maximum Fuse Size (MFS)	Amp.	15	15	20	30	40	40
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor MFG		Hitachi	GMCC	GMCC	GMCC	Hitachi	Hitachi
Expansion Device		capillary	capillary	capillary	capillary	capillary	EEV
Compressor model #		ASD088RKQA6JT6	ASN108D32UFZ	ATM150D43UFZ	ATF235D22UMT	ATL253UDPC9AUL	ATL253UDPC9AUL
Indoor DC motor		No	No	Yes	Yes	Yes	Yes
Indoor motor MFG		Weiling	Weiling	Weiling	Weiling	Broad-ocean	Broad-ocean
Indoor motor model #		DG13G1-21	DG13G1-21	K1B310497	K1B310497	DG13G3D-01	DG13G3D-01
Indoor motor power output	W	14	14	35	35	50	50
Indoor motor speed S/H/M/L	RPM	1250 / 1100 / 9500	1250 / 1100 / 9500	1200 / 1040 / 880	1200 / 1040 / 880	1150 / 1000 / 850	1150 / 1000 / 850
Outdoor DC motor		Yes	Yes	Yes	Yes	Yes	Yes
Outdoor motor MFG		Weiling	WOLONG	Broad-ocean	Weiling	Weiling	Weiling
Outdoor motor model #		ZWA138D08A	ZWA138D08A	DG13Z2D-04	K1B310499	K1B310499	K1B310499
Outdoor motor power input	W	30	30	60	70	70	70
Outdoor motor speed H/M/L	RPM	880 / 650 / 450	800 / 650 / 450	840 / 650 / 500	850 / 550 / 500	850 / 550 / 500	850 / 550 / 500
Evaporator material		Copper tube/Aluminum fin	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	2
Tube outside dia.and type	in.	Ø 9/32, innergroove tube	Ø 9/32, innergroove tube	Ø 9/32, innergroove tube	Ø 9/32, innergroove tube	Ø 9/32, innergroove tube	Ø 9/32, innergroove tube
Evaporator L x H x W	in.	24.44" x 11.56" x 1.13"	24.44" x 11.56" x 1.13"	33.16" x 14.88" x 1.13"	33.16" x 14.88" x 1.13"	38.78" x 16.53" x 1.09"	38.78" x 16.53" x 1.09"
Tube pitch(a)x row pitch(b)	in.	27/32 x 17/32	27/32 x 17/32	27/32 x 17/32	27/32 x 17/32	3/4 x 17/32	3/4 x 17/32
Fin spacing	in.	1/16	1/16	1/16	1/16	1/16	1/16
Condenser material		Copper tube/Aluminum fin	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	2.5
Tube outside dia.and type	in.	Ø 9/32	Ø 9/32	Ø 9/32	Ø 9/32	Ø 9/32	Ø 9/32
Tube type		inner groove tube	inner groove tube	inner groove tube	inner groove tube	inner groove tube	inner groove tube
Condensator L x H x W	in.	(26 15/16 + 25 25/32) x 18 3/16 x 1 7/16	33 5/32 x 21 1/2 x 3/4 + 32 1/64 x 21 1/2 x 3/4	35 1/4 x 24 13/16 x 3/4 34 9/64 x 24 13/16 x 3/4	33 5/32 x 1 5/64 x 14 7/8	(38 3/16 + 37 3/32) x 29 25/32 x 3/4	(38 3/16 + 37 3/32 + 21 21/32) x 29 25/32 x 3/4
Tube pitch (a) x row pitch (b)	in.	53/64 x 23/32	53/64 x 23/32	53/64 x 23/32	53/64 x 23/32	53/64 x 23/32	53/64 x 23/32
Fin spacing	in.	1/16	1/16	1/16	1/16	1/16	1/16
Liquid Pipe Diameter	in.	1/4	1/4	1/4	3/8	3/8	3/8
Gas Pipe Diameter	in.	3/8	3/8	1/2	5/8	5/8	5/8
ODU Cooling Working Temperature Range	°F	5° - 115°	5° - 115°	5° - 115°	5° - 115°	5° - 115°	5° - 115°
ODU Heating Working Temperature Range	°F	-4° - 75°	-4° - 75°	-4° - 75°	-4° - 75°	-4° - 75°	-4° - 75°
IDU Remote Cooling Temperature Range	°F	61° - 86°	61° - 86°	61° - 86°	61° - 86°	61° - 86°	61° - 86°
IDU Remote Heating Temperature Range	°F	61° - 86°	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	ARI 210-240
Certifications		ETL / AHRI	ETL / AHRI	ETL / AHRI	ETL / AHRI	ETL / AHRI	ETL / AHRI
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"	50.38" x 14.19" x 10.25"
Outdoor Unit Dimensions W x H x D	in.	28.13" x 19" x 9.44"	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"	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	39.68 / 47.4
Outdoor Unit Weight Net/Gross	lbs	59.52 / 66.14	72.75 / 79.37	99.2 / 108	123.5 / 141	127.86 / 138.89	132.27 / 143.3

All specifications subject to change without notice. Images are for reference only. See website full details on operation and requirements.

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