



(56) SOLAR Series and (57), (58) and (78) Series

# SOLO SERIES

## DC Inverter Ductless Single Zone Mini Splits

FEATURES & SPECIFICATIONS

**YMGI Group**

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# WELCOME



## Introducing the Symphony SOLO Single Zone DC Inverter Mini Split Systems!

### Where Comfort and Performance Live in Perfect Harmony

Orchestras work in harmony to realize a perfect performance. YMGI's Symphony line of HVAC products offers high quality, affordable, energy efficient products and dedicated service to deliver performance that provides quiet and clean heating and cooling to our customers. YMGI let's you enjoy healthier air, energy savings, ease of use, and peace of mind.

### Efficient, Reliable, and Stylish

YMGI products quickly and quietly cool and heat in the most efficient way possible. Most importantly, our systems are engineered and built with quality components that deliver reliability and longevity. Indoor and outdoor units have a contemporary style, a sleek silhouette, and an attractive neutral color. YMGI stands behind our products to ensure our customers are completely satisfied with their YMGI ownership experience.

### Meet the Symphony Conductor

YMGI designs, manufactures and sells air conditioners and heat pumps for use in residential, institutional, hospitality, light commercial, and industrial applications. As an environmentally friendly HVAC technology manufacturer, YMGI aims to design products that create harmony between our customers and their environments. Our HVAC and refrigeration products offer the best value available and are friendly to the environment, contractors, and end users.

### A Talented Ensemble Working in Perfect Harmony

YMGI's R&D team consists of highly trained and experienced professionals, who seek to create new, and improve existing HVAC technologies. Our team designs and tests components for quality and longevity. Our Quality Assurance team rigidly controls all aspects of part manufacturing, assembly, unit inspection and shipment.

## Discover *Maximum Comfort.*

Smart, Clean, Efficient and  
Affordable Heating and  
Cooling Solutions for Any  
Job, Large or Small.

**YMGI is the BEST Value in  
State-of-the-Art HVAC Products.**



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### Meet the Symphony Performers

The YMGI Symphony Solo series includes five lines of single zone mini split systems.

Each SOLO system consists of one outdoor condensing unit and one indoor unit. These systems are designed to heat and cool single zone spaces like studio apartments, sunrooms, nurseries, condos, offices and mobile homes.

The YMGI Symphony SOLO and CHOIR systems utilize the latest inverter technology. They deliver just the right amount of cool or warm air, more efficiently than conventional central air systems. So, relax and enjoy the comfort and ease of use of YMGI's Symphony SOLO and CHOIR DC Inverter Series single zone and multiple zone systems.



# MINI SPLITS

## A Smarter Heating And Cooling Solution

YMGI mini split systems are a great solution for new construction and retrofit or remodeling jobs. Easy, ductless installation means they're less expensive to install than central systems. They're ideal for replacing heating and cooling systems in older homes that were built with non-ducted heating systems, like hot water heat, radiant heat or space heaters, with no need to add ducts. The Symphony mini split ductless systems heat and cool quickly, quietly and efficiently.

Mini splits are ideal for room additions and newly enclosed spaces such as sunrooms, garages, sheds and pool houses that cannot be connected to the main central air conditioning system, or where extending or installing ductwork would be time consuming, costly, or not possible.

## How Mini Split Systems Work:

### The Differences between Central Air and Mini split Systems

All air conditioning systems consist of an outdoor condensing unit and an indoor evaporator unit.

With a central system the evaporator unit is commonly installed in the basement or attic and uses metal or fiberglass ductwork to deliver warm or cool air to different rooms in your home. A central system requires space inside the walls, between the joists for the ductwork, and floor, wall, or ceiling space to install the registers. These systems are often noisy and the ductwork can be a haven for dust, germs, mold, bacteria, and insects.

A mini split system is totally ductless. The indoor unit is mounted in the room you want to heat or cool, so no ductwork is required. The outdoor and indoor units are connected with copper refrigerant pipes and wires that are tightly wrapped securely and connect the indoor and outdoor units through a 3" opening in the wall. Installation is faster, and easier than a conventional ducted system.



The system's compressor (found in the outdoor condensing unit) pumps refrigerant through the condensing coils and the metering device to the indoor unit where a fan blows across the coil to cool the room.

In heat pump mode, the same unit absorbs heat from the outside air and moves it indoors to heat the room. For most climates, this results in efficient, heating and cooling, keeping you comfortable all year long.



## Maximum Comfort, Minimum Cost

Conventional forced air cooling or heating systems use an “on and off” cycle. When a conventional system starts running, it runs at its top speed, consuming the maximum amount of energy in order to reach the desired temperature. The system then has to cycle between on and off to maintain the set temperature. The continual starting and stopping of the major components in a conventional air conditioning system reduces the life span of the compressor and other components.

YMG I’s mini splits use a DC Inverter to convert Alternating Current (AC) to Direct Current (DC), modulate pulse width, and then redirect the inverted current back to alternating current (AC) at the optimal frequency, for precise control of the operating speed of the electric motors and compressor. Our Symphony Series Mini Split DC Inverter system, allows your system to start slowly and smoothly, and then accelerate to higher speeds to quickly bring the room to your desired temperature. Once the set temperature is reached, the system slows and adjusts itself to counter the heat gain or loss of the building, so it can maintain a more consistent temperature. Delivering maximum comfort at minimum cost.

## Easy to USE and Easy To Live With

Each YMG I mini split indoor unit comes with a remote control that lets you select the operating thermal mode, desired temperature, fan speed, and oscillation of the air louvers, giving you total control of your environment. The remote also allows you to program the start and stop time. Different series remotes have additional functions and features. Please see the manual to find out what other functions your YMG I SOLO Remote has.



Most central system outdoor units are up-flow, which means the condenser fan blows upwards. Because of this, the outdoor units need more installation room. A mini split system’s outdoor unit is horizontal flow, which means the fan is pointed sideways. Because it requires less room, a mini split can be placed where installation of a central air system would not be possible. A mini split can be installed on a concrete pad, hung on a wall, a balcony or below a deck, making them ideal for metropolitan areas, where space between buildings can be very tight.

## Perfect for Any Decor

YMG I has indoor units that suit your heating and cooling needs and your taste. YMG I SOLO (56), (86), (57) and (78) Series systems come with a wall mounted indoor unit. The (58) Series is available with several different styles of indoor units to cool or heat your rooms. The (58) can be installed with YMG I’s EW wall mounted unit, flush mounted EC ceiling cassette unit that seamlessly blend into suspended ceilings, recessed ceiling mount EF, floor or wall mounted EL console indoor unit, and floor or ceiling mounted EU indoor units.

# BENEFITS

## Models & Features to Meet Any Need

YMGI offers a wide selection of Single Zone DC Inverter mini split systems.

- The (56) Series is a solar assisted single zone system, that let's you reduce power usage using solar panels that connect directly to the system. No metering device is needed. 9k to 36k Btu models available.
- The (86) Series is an all solar powered single zone system. Solar power is used to run the system, and excess generated power charges batteries that are used when it's overcast, or at night. Available in 9k to 24k Btu models.
- The (57) Series is our affordable 15 to 16 SEER, 9k to 36k Btu capacity line.
- The (78) Series has SEER ratings of 17.8 to 21.5 depending on capacity. Available in 9k to 36k Btu capacities.
- The (58) Series offers flexibility and energy efficiency with 5 different styles of indoor units and SEER ratings of up to 23, and capacities of up to 48k Btu.

## Reduce Your Carbon Footprint

Heating and cooling consume the greatest amount of energy in the average home, making up around 40% of your energy bill.

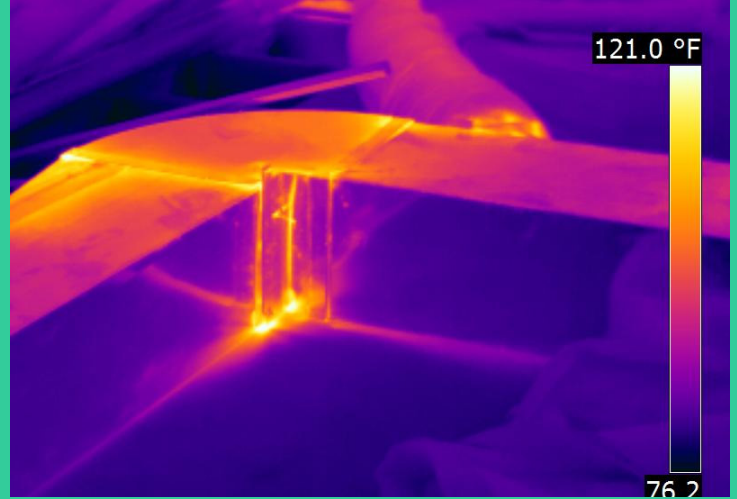
YMGI systems are some of the most energy efficient HVAC products in the industry. Every detail of the Solo Series systems, from the ductless design, zoning capabilities, DC Inverter technology, and even our remote controls, are designed to reduce energy consumption.

## Eco-friendly Refrigerant

YMGI's environmenatilly friendly mission doesn't end with energy consumption. Older systems use ozone depleting R-22 refrigerant. Every YMGI system uses R-410A refrigerant, which is non-ozone depleting.

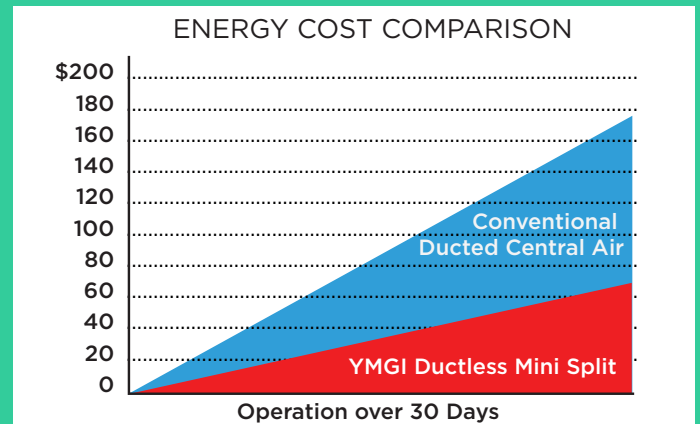
## Save Money

As much as 40% of the energy used in your home goes toward heating and cooling. In conventional central air systems, over 30% of the heat created escapes through the duct work before it ever enters a room. YMGI mini split systems have no ductwork, so no energy is wasted.



The bright yellow areas in this thermal image, demonstrate the heat loss common in conventional ducted HVAC systems.

More savings are realized with our zoned systems. Because each zone or room is controlled separately, you only need to cool or heat a room when it is in use. With energy efficiency rating up to 35 SEER, YMGI DC Inverter systems not only make your room more comfortable, they also make your electric bills more affordable.



Comparison of 3 YMGI 12,000 Btu/h 22 SEER mini split systems vs. a single 8 SEER, 3 ton central system.

\*Operation cost will vary, based on Kw/hr cost in your area.

## Indoor Air, and your Health

- Indoor Air is up to 70 times more polluted than outdoor air.
- The average household generates up to 40 lbs of dust annually.
- Sinus headaches and respiratory infections can be caused by poor indoor air quality.
- Allergies and asthma can be aggravated by poor indoor air quality.

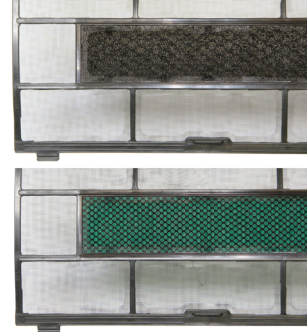


## Breath Healthier

Conventional ducted systems are notorious for poor air quality. Ductwork used in these systems create a breeding ground for dust mites, bacteria, and mold. When air passes through the ducting, dust, pollen and other allergens can be spread throughout a home, and adversely affect your health. Because YMGI mini split systems have no ducting, and filter the air in the room, your circulated air is cleaner and you can breathe healthier.

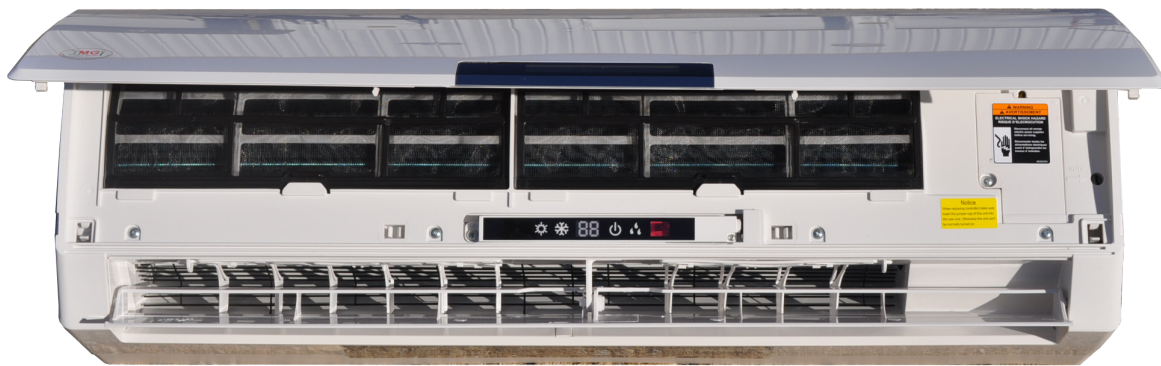
## Experience Maximum Air Filtration

Every YMGI indoor unit includes our washable and reusable particulate air filter. We also offer advanced filtration options, such as our active enzyme filter to eliminate bacteria, cold catalyst filter for removing pollen, dust, bacteria and harmful airborne chemicals from carpeting, flooring, paint, and household cleaners, and our static electric filter for more thorough dust removal. With our selection of specialized filtration options, you can customize your indoor units to your air quality needs.



## Sleep Better

YMGI DC Inverter SOLO mini split systems have Sleep Mode, a feature that can give you the most comfortable night's sleep you've ever experienced. In Sleep Mode, YMGI SOLO systems automatically and gently adjust a room's temperature so you remain comfortable all night long. When heating, it gently allows the temperature to fall in the middle of the night. When cooling it allows the temperature to rise slightly in the middle of the night. Sleep Mode helps conserve energy as well.



Remote Control Included



Optional:



Bridge Controller



Thermostats



By using a YMGI bridge controller, a conventional thermostat (Nest, Honeywell, Pro1, YMGI etc.) can be used for temperature control, locally or remotely, individually or in groups.

# UNIQUE FEATURES

both *Simple* & *Profound*

## High Efficiency

All YMGI DC Inverter systems have SEER ratings of up to 35, far exceeding the current world standards for energy efficiency. ETL listed in both the U.S. and Canada, and certified by AHRI and ENERGY STAR®.



## Intelligent Defrosting

YMGI defrosting is intelligently controlled by a YMGI microcomputer processor ensuring worry-free, heat pump performance in mild and cold weather. This unique ON-DEMAND defrosting design improves heating efficiency, thermal performance and keeps your room comfortable throughout the winter and the years.

## U-TOUCH Remote Control

YMGI's U-TOUCH remote lets you control every feature and function of your Indoor Unit, from anywhere in the room. While other mini split systems place their indoor air temperature sensor behind the grille of an indoor unit, YMGI's sensor is built into the remote. It measures the temperature where people are located, not the wall or ceiling unit. Accurate temperature control for personal comfort.





# YMGI Technology

## DC Inverter Technology - Continuously Adjusting for Profound Performance

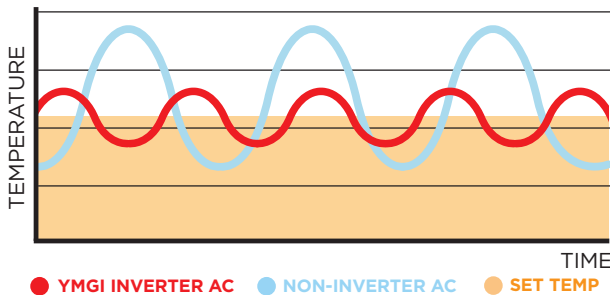
Unlike conventional systems that cycle between on and off repeatedly, YMGI Symphony SOLO DC Inverter systems monitor room temperature and continuously adjust compressor speed up or down to provide precise temperature and humidity control. DC Inverter systems do this by converting Alternating Current (AC) to Direct Current (DC), modulating the pulse width, and then reconvert the current back to AC at the calculated frequency to precisely generate the thermal output needed.

The incoming electrical power has a fixed frequency of 60 Hertz. By converter and inverter, the precise current frequencies and voltages are generated to supply the system, allowing the compressor to run at different speeds and delivering various thermal capacities with minimum energy consumption.

This allows the system to maintain the set room temperature within very narrow ranges and consume substantially less energy.

## Optimized System Design

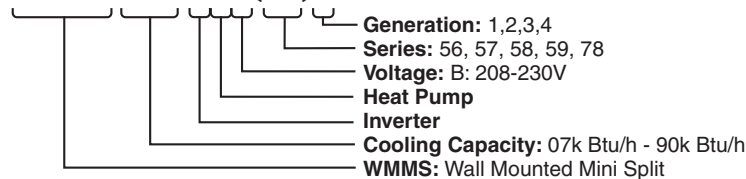
Components are both individually and systematically optimized to ensure SOLO systems work in a wide range of applications, and deliver the right amount of heating or cooling when you need it, and with maximum efficiency.



## Nomenclature

### Model Number:

WMMS-36K-V2B(58)4



## Low Ambient Temperature Heating & Cooling

When outdoor temperatures fall, heat pump capacity and efficiency drops. In low ambient temperatures, YMGI's DC Inverter technology operates better than many other systems available on the market. The powerful heating system keeps you warm, even in extreme cold weather. YMGI's DC Inverter technology and special control logic also make cooling in low ambient temperature ranges a reality.

## Compressor Crank Case Heater

This component helps preheat the compressor when the outdoor ambient temperature is low, so that the compressor has a smooth easy start, especially in extreme cold weather.

## Soft Start

The compressor starts at a lower voltage and frequency and then accelerates, for a smooth start. This reduces energy consumption of the outdoor unit by approximately 30% compared to conventional HVAC systems. This also reduces electrical circuit load when multiple electrical devices are used.

## De-Ice Base Pan Heater

This component prevents damage to your unit's fan blade, coil, compressor, and other components. Automatically activated when outdoor temperatures go below freezing, when ice could form in the base pan.

## Over-Current, Over-Heat & Over-Pressure Protection

Built-in protection for over-current, over-heat and over-pressure, ensuring safe operation and longevity of components and the unit.

## Adaptive Smart Control

The adaptive smart control fuzzy logic enables responsive and precise control over the compressor frequency, voltage, fan speed and valve opening size. This ensures rapid, precise and safe adjustments and makes sure the system delivers the exact amount of warm or cool air with minimum energy consumption.

# UNIQUE FEATURES

both **Smart** & **Safe**

## Comfort & Convenience

### Auto Mode

By continuously sensing and comparing the set temperature to the room temperature, this feature switches between heating and cooling modes, automatically delivering the exact amount of warm or cool air needed to keep your space comfortable with no worries about the weather outside.

### Turbo Heating and Cooling

The Turbo function boosts cooling or heating capacities at high compressor speed and fan speeds. Rooms reach set temperatures as rapidly as possible.

### Air Swing

Motorized louvers oscillate vertically and horizontally, to direct air throughout a room, maintaining an even temperature, and eliminating hot or cold spots. The louver motor can also be stopped so that you can direct air flow to a specific area. The remote control lets you adjust this setting quickly and easily.

### Hot Start-Up

When heating mode is selected, or when the system transitions from cooling to heating, the indoor fan motor pauses. This prevents cold air from being blown into an already cold room. When the indoor unit coil and pipes are preheated, the fan engages and circulates warm air.

### Sleep Mode

With the Sleep Mode on, the system will adjust the room target temperature to slowly rise when cooling or fall when heating. This will save energy and allow you to sleep comfortably while preventing sudden changes in the room's temperature.



### 24-Hour On/Off Timer

Set your indoor unit to heat, cool or shut down at any time of day.

### Memory and Auto Restart

If your unit should lose power, YMGI systems remember the operation mode, airflow, and temperature settings and continue normal operation once power is restored.

### Self-Diagnosing

Error codes are shown on the LED display of the indoor unit, or LED lights on the outdoor control boards. If your system has an issue, it can be diagnosed easily and accurately by an HVAC technician, and quickly resolve the problem.

### Digital Display On/Off

Our easy to read LCD display can be turned on or off with the remote control. This feature allows a room to remain dark at night, or you can turn the digital display on and use the display as a night-light.

## Safety Systems

- Low Pressure / Refrigerant Leaking Sensor
- Compressor Discharge Temperature Sensor
- Outdoor Coil Temperature Sensor
- Outdoor Ambient Temperature Sensor
- Indoor Coil Temperature Sensor
- Indoor Air Temperature Sensor
- Built-in Over-Current Fuse at Outdoor Unit
- Built-in Over-Current Fuse at Indoor Unit
- Optional De-Ice Heater in Outdoor Unit Pan

# Environmentally Friendly Inside & Out

## **R-410A Refrigerant**

All CHOIR systems use R-410A refrigerant, which is Hydro fluorocarbon (HFC) Free with zero ODP (Ozone Depletion Potential).

## **RoHS Approved Materials**

RoHS restricts the use of harmful substances commonly used in electronic equipment. YMGI only uses RoHS approved materials.

## **Nitrogen-Protected Brazing**

Reduced oxidation of joined metal parts, reliable performance and a longer unit life.

## **Volatile Liquid Coil Cleaning**

Component surfaces, joints, and corner welds are all thoroughly cleaned to insure safe and sanitary equipment.

## **Leakage Checked Refrigerant System**

All refrigerant pipes, joints and components are tested for leakage during each step of manufacturing.

## **Washable Particulate Filter and Advanced Filters**

All YMGI systems come with a standard washable particulate filter. YMGI also offers advanced filtration options, such as active enzyme filter to eliminate bacteria, cold catalyst filter for removing pollen, dust, bacteria and harmful airborne chemicals from carpeting, flooring, paint and household cleaners, and our static electric filter for more thorough dust removal. With our selection of specialized filtration options, you can customize our indoor units to your air quality needs.

## **Wide-Angle Air Spread and Long Air-Throw**

A quiet and powerful fan, and louvers all for horizontal and vertical airflow allow for an air throw of over 20 feet, making sure conditioned air reaches every corner of the room.

## **Independent Dehumidification**

YMGI units are designed to reduce humidity levels, making heating and cooling more efficient.

## **Random Pitch Cross-Flow Fan Wheel**

YMGI's random pitch cross-flow fan wheel limits and offsets high pitched and low frequency sound generated during fan wheel rotation to provide whisper quite operation.

## **Perfect Temperature in Every Room**

YMGI SOLO systems allow use your hand held remote control or wall mounted wired controller to adjust settings. Because each indoor unit operates independently, each room can be adjusted for the occupant's exact comfort preferences.

## **Quiet Operation**

YMGI SOLO systems reduce interior noise levels with the optimized design of the blower output and blower housing, and using anti-leak insulation materials, incorporating a multi-speed motor and random pitch cross-flow fan wheel. All these features add up to a quieter heating and cooling system.

SOLO outdoor units adjust fan rotation speed up or down depending on the actual cooling or heating loads. The fan motor accelerates to the highest speed to cool or heat the room at start-up, and then reduce speed to maintain the set room temperatures.

Vibration absorbing jackets are wrapped around the compressors. The copper pipes between the compressor, the 4-way reversing valves, stopping valves and other refrigeration components are designed to reduce tension and vibration. Weight-balancing rubber is used to lower piping vibration in extreme operating conditions.

All these features and more, result is a system that operates quietly, efficiently, safely, and dependably for years.

## **Silent Comfort**

- Computer designed and wind tunnel optimized components
- Mesh-net combed intake air pattern
- Cross-flow fan wheel
- Sound absorbing insulation
- Vibration absorbing rubber grommets
- Lubricated motor bearings and molded fan motor
- Reliable quiet compressors
- Precision assembled

# SYMPHONY SOLAR (56) SERIES



## YMG Symphony SOLAR 56 Series

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### DC INVERTER

### Solar Assisted Single-Zone Wall-Mounted Mini Split

#### Solar Assisted Heating & Cooling

When the sun is shining, that's when you need your air conditioner the most. The (56) can be installed where AC electrical power is available, but the customer wants to utilize solar energy during the day to lower cooling and heating costs, without worrying about unit usage when it's cloudy or dark. With cooling capacities of 9k, 12k, 18k, 24k, 30k, and 36k these single zone systems require 208-230 volt, 1 phase, 60Hz municipal power supply. Municipal power allows the system to run consistently when the weather is overcast, or during night time operation. Depending on your installation configuration, you can achieve a SEER rating of up to 35.

On sunny days the (56) Solar HP will draw power from up to five  $\geq 300W$  solar panels.

No power is exported by the system, so no net metering agreement or special meter is required. The system can seamlessly utilize both power sources, with a bias towards using all available DC (solar) power. 1198 models require solar panel voltages of 250-400 VDC. A transformer is available to allow usage of lower voltages.

#### YMG DC INVERTER SOLAR

##### Single Zone-Wall Mounted Indoor Unit

The SOLO SOLAR 56 Series single zone mini split quietly heats and cools solution with minimal environmental impact. The installation of the indoor unit uses an integrated mounting plate and only requires a 3" hole for conduit. The conduit houses all refrigerant pipes, electrical wiring and condensate drain hose. The wall unit has a motorized louver system that quietly distributes airflow evenly throughout the room.

#### YMG DC INVERTER SOLO

The compact design allows for ground installation, mounting on a wall, under a deck or even on a balcony.

# DC Inverter Mini System-Single Zone (56) up to 35 SEER

## SOLAR PV Assisted Wall Mount 9, 12, 18, 24, 30, & 36K

- Optimized unique management on municipal AC and PV panel DC power
- Powered with PV panel DC power, backed up by municipal power
- Advanced temperature comfort and safety control
- Can be integrated to work with existing solar panels, if parameters matched
- Minimized municipal power usage. As low as 30W.
- R-410A refrigerant and environment friendly materials, green products
- New solar panel installation eligible for Federal tax credit and/or State and/or utility company's rebate/incentive programs

AC Power Supply 208~240V,50/60HZ for Non-Stop Guaranteed Cooling/Heating								
Max. Solar Panel Qty.	W/V	3x250W/36V	4x250W/36V	4x250W/36V	4x300W/36V	4x300W/36V	4x300W/36V	
Model No.-System		WMMS-09KS-V2B(56)	WMMS-12KS-V2B(56)	WMMS-18KS-V2B(56)	WMMS-24KS-V2B(56)	WMMS-30KS-V2B(56)	WMMS-36KS-V2B(56)	
Model No.-Indoor Unit		WMMS-09ES-V2B(56)	WMMS-12ES-V2B(56)	WMMS-18ES-V2B(56)	WMMS-24ES-V2B(56)	WMMS-30ES-V2B(56)	WMMS-36ES-V2B(56)	
Model No.-Outdoor Unit		WMMS-09CS-V2B(56)	WMMS-12CS-V2B(56)	WMMS-18CS-V2B(56)	WMMS-24CS-V2B(56)	WMMS-30CS-V2B(56)	WMMS-36CS-V2B(56)	
Nomial Ton-Cooling	Ton	0.75	1	1.5	2	2.5	3	
Performance								
Capacity Rating	Cooling	Btu/h	9000	12000	18000	24000	30000	36000
		W	2600	3500	5200	7200	9000	10000
	Heating	Btu/h	10000	13000	20000	27000	34000	40000
		W	2800	3700	5400	7900	10000	11000
Noise	Indoor	dB(A)	≤40	≤42	≤44	≤46	≤47	≤48
	Outdoor	dB(A)	≤50	≤52	≤55	≤58	≤59	≤60
Air Circulation	m³/h	450	550	750	1050	1200	1250	
Suitable Area	m²	10~15	12~25	20~35	25~45	28~50	30~55	
EER	W/W	5.2	4.7	4.5	4.4	4.3	4.3	
SEER	Btu/h/w	35	34	34	33	33	32	
COP	W/W	5.8	5.2	4.9	4.8	4.7	4.7	
SCOP	Btu/h/w	39	37	37	36	36	36	
HSPF	Btu/h/w	12	12	13	14	14	14	
Operating Range	°C	16°C-31°C	16°C-31°C	16°C-31°C	16°C-31°C	16°C-31°C	16°C-31°C	
	°F	5°F-122°F	5°F-122°F	5°F-122°F	5°F-122°F	5°F-122°F	5°F-122°F	
Design pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	
Refrigerant Oil		VG74	VG74	VG74	VG74	VG74	VG74	
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	
Compressor		TOSHIBA (ROTARY)	TOSHIBA (ROTARY)	TOSHIBA (ROTARY)	TOSHIBA (ROTARY)	TOSHIBA (ROTARY)	TOSHIBA (ROTARY)	
Liquid side		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Gas side		3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	
DC Connection / Wire		MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12	
Power Consumption								
Rated Power Input	W	450	750	950	1250	1350	1450	
Rated Current	A	2.05	3.41	4.32	5.68	6.12	6.60	
Dimensions								
Indoor Unit	NET	in.	30 1/2" x 10 1/4" x 8 9/32"	30 1/2" x 10 1/4" x 8 9/32"	39" x 12 5/8" x 8 9/32"	39" x 12 5/8" x 8 9/32"	42 1/2" x 12 5/8" x 9 7/16"	42 1/2" x 12 5/8" x 9 7/16"
	Shipping	in.	33 1/16" x 12 13/16" x 10 7/16"	33 1/16" x 12 13/16" x 10 7/16"	42 1/8" x 15 9/16" x 11 7/32"	42 1/8" x 15 9/16" x 11 7/32"	45 9/32" x 16 1/2" x 12 5/8"	45 9/32" x 16 1/2" x 12 5/8"
Outdoor Unit	NET	in.	31 1/8" x 10 1/4" x 21 9/32"	31 1/8" x 10 1/4" x 21 9/32"	33 15/32" x 11 13/16" x 27 9/16"	33 15/32" x 11 13/16" x 27 9/16"	34 1/16" x 12 3/16" x 27 15/16"	34 1/16" x 12 3/16" x 27 15/16"
	Shipping	in.	35 13/16" x 14 9/16" x 24 1/32"	35 13/16" x 14 9/16" x 24 1/32"	37 7/16" x 15 3/4" x 29 9/16"	37 7/16" x 15 3/4" x 29 9/16"	40 3/8" x 15 9/16" x 31 1/8"	40 3/8" x 15 9/16" x 31 1/8"
Weight								
Indoor Unit	Net/Gross	lbs	24.25 / 28.66	28.66 / 33	37.5 / 41.88	41.88 / 48.5	48.5 / 50.7	48.5 / 50.7
Outdoor Unit	Net/Gross	lbs	83.8 / 88.2	99.2 / 105.8	105.8 / 121.25	123.5 / 136.7	125.7 / 149.9	127.9 / 143.3

### Important Notes:

1. Performance without solar panel being installed is rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F OD 47/43°F. Performance varies upon weather changes
2. Performance with solar panel being installed is rated at same ID conditions but OD STC conditions of 1000W/m² irradiance, 25°C (77°F) cell temperature. AM 1.5g spectrum according to EN 60904.3.
3. Watch unit operation during extreme weather conditions in summer and winter. After the unit is used for prolonged periods in extreme weather, unit may step into protection mode and stay idle.
4. Heating capacity and efficiency decrease as outdoor temperature drops. Cooling capacity and efficiency drop as outdoor temperatures rise.

# SYMPHONY SOLAR (86) SERIES



YMGI

## Symphony SOLAR 86 Series



### DC INVERTER DC Powered Single-Zone Wall-Mounted Mini Split

#### All DC Power

The all DC (86) Series is designed for use where AC electrical power isn't available, and solar is the only available power source. Solar power is used to run the system, and excess generated power charges batteries that are used when it's overcast, or at night. YMGI's (86) Series Solar HP compressor is run by DC current. The (86) Solar heat pump uses DC power generated by the solar panels or stored in the batteries. By using solar DC power instead of converting municipal AC power, YMGI's (86) Series Solar HP can reduce daytime energy costs for air conditioning or heating up to 100%.

YMGI's (86) Series Solar HP can get 100% of its power from three  $\geq 300W$  solar panels. Up to six panels can be connected to the system increasing efficiency, and allowing it to run on 100% solar power even when weather conditions are partly cloudy or overcast. No power is exported by the system, so no special meter or net metering agreement is required.

The (86) system can be installed for hybrid operation by using an AC to DC Converter and municipal power.

#### YMGI DC INVERTER SOLAR

##### Single Zone-Wall Mounted Indoor Unit

The installation of the indoor unit uses an integrated mounting plate and requires a 3" hole through the wall for conduit that houses all refrigerant pipes, electrical wiring and condensate drain hose. The wall unit has a motorized louver system that quietly distributes airflow evenly throughout the space.

#### YMGI DC INVERTER SOLO

##### Single Zone-Outdoor Unit

With heating and cooling capacities of 09k, 12k, 18k, and 24k, the SOLO outdoor condensing unit is wired to a charge controller that is connected to a solar panel array and batteries. Depending on your installation configuration, you can achieve a SEER rating of up to 38. The SOLAR SOLO's compact design allows for ground installation, or mounting in a variety of locations, including on a wall, under a deck or even on a balcony.

# DC Inverter Mini System-Single Zone (86) up to 38 SEER

## SOLAR PV Powered Wall Mount 09, 12, 18 & 24K

- Connects to 3 to 6 Panels (≥ Total 870W)
- Runs on Solar Power Only
- 9k, 12k, 18k and 24k BTU Cooling & Heating Capacities
- Solar Panels, Heat Pump, and Batteries Hook Directly to Charge Controller
- Can run up to 8 Hours on battery charge.

### Wall Mounted Type DC Solar Air-Conditioner and Heat Pump (8 hour battery)

Power Supply: 48VDC (42V to 60 V)

Models	Model No.-System		WMMS-09KS-V24(86)	WMMS-12KS-V48(86)	WMMS-18KS-V48(86)	WMMS-24KS-V48(86)
	Model No.-Indoor Unit		WMMS-09ES-V24(86)	WMMS-12ES-V48(86)	WMMS-18ES-V48(86)	WMMS-24ES-V48(86)
	Model No.-Outdoor Unit		WMMS-09CS-V24(86)	WMMS-12CS-V48(86)	WMMS-18CS-V48(86)	WMMS-24CS-V48(86)
Capacity	Cooling	Btu/h	9000	12000	18000	24000
		W	2600	3500	5200	7200
	Heating	Btu/h	10000	13000	20000	27000
		W	2800	3700	5400	7900
Noise	Indoor	dB(A)	≤40	≤42	≤44	≤46
	Outdoor	dB(A)	≤50	≤52	≤55	≤58
Air Circulation		m³/h	450	550	750	1050
Refrigerant			R134A	R134A	R134A	R134A
Compressor			Panasonic, DC 48V	Panasonic, DC 48V	Panasonic, DC 48V	Panasonic, DC 48V
Motor-ODU			DC Bushless	DC Bushless	DC Bushless	DC Bushless
Motor-IDU			DC Bushless	DC Bushless	DC Bushless	DC Bushless

### Solar Panel and Battery Configuration - Expected to Work 8 hours at Night, after battery is fully charged during Daytime Operation.

Batteries	Output x Qty.	12 VDC x 4	12 VDC x 4	12 VDC x 4	12 VDC x 4
Battery AH(each)	AH	60	100	150	200
Solar panel specifications		24V/600W	48V/1000W	48V/1200W	48V/1800W
Solar charge controller		Included in Indoor Unit Box			
EER	W/W	4.56	4.67	5.20	5.54
	(Btu/h)/w	15.79	16.00	18.00	18.46

### Solar Panel and Battery Configuration - Expected to Work 8 hours at Night, after battery is fully charged during Daytime Operation.

Batteries	Output x Qty.	12 VDC x 4	12 VDC x 4	12 VDC x 4	12 VDC x 8
Battery AH	AH	120 x 4	200 x 4	300 x 4	200 x 8
Solar panel specifications		48V/150W*8	48V/150W*12	48V/150W*16	48V/150W*24
Solar charge controller		Included in Indoor Unit Box			
EER	W/W	4.56	3.89	4.00	4.00
	(Btu/h)/w	15.79	13.33	13.85	13.33

Power Consumption	Power Input		W	500	750	1000	1300
	Rated Current		A	20	16	21	27
	Input Power		V	DC 24	DC 48	DC 48	DC 48

Dimensions	Indoor Unit (With Controller)	NET	in.	30.5" x 10.25" x 8.28"	30.5" x 10.25" x 8.28"	39" x 12.6" x 8.28"	45.28" x 12.6" x 8.28"
		Shipping	in.	33" x 12.8" x 10.4"	33" x 12.8" x 10.4"	42.13" x 15.55" x 11.22"	42.13" x 15.55" x 11.22"
	Outdoor Unit	NET	in.	31.1" x 10.24" x 21.26"	31.1" x 10.24" x 21.26"	33.46" x 11.81" x 27.56"	33.46" x 11.81" x 27.56"
		Shipping	in.	35.83" x 14.57" x 24"	35.83" x 14.57" x 24"	37.4" x 15.75" x 29.53"	37.4" x 15.75" x 29.53"
	Solar Panel	NET	in.	58.27" x 26.77" x 5.51"	58.27" x 26.77" x 5.51"	58.27" x 26.77" x 5.51"	58.27" x 26.77" x 5.51"
		Shipping	in.	59.45" x 27.95" x 9.45"	59.45" x 27.95" x 9.45"	59.45" x 27.95" x 9.45"	59.45" x 27.95" x 9.45"
Battery Cabinet	NET	in.	14.96" x 11" x 24.41"	19.7" x 16.54" x 24.4"	19.7" x 16.54" x 24.4"	24.41" x 23" x 24.41"	
	Shipping	in.	17.32" x 13.40" x 29.53"	22" x 18.9" x 29.53"	22" x 18.9" x 29.53"	26.77" x 25.4" x 29.53"	

Weight	Indoor Unit (w/ Controller)	Net/ Gross	lbs	24 / 29	28 / 33	37 / 42	42 / 46
		Outdoor Unit	Net/ Gross	lbs	84 / 88	99 / 106	106 / 121
	Solar Panel	Net/ Gross	lbs	66 / 84	88 / 123	110 / 128	132 / 165
	Battery	Net/ Gross	lbs	110 / 143	132 / 165	154 / 187	194 / 209

### Important Notes:

1. Performance with solar panel being installed is rated at same ID conditions but OD STC conditions of 1000W/m² irradiance, 25°C (77°F) cell temperature. AM 1.5g spectrum according to EN 60904.3.
2. Watch unit operation during extreme weather conditions in summer and winter. After the unit is used for prolonged periods in extreme weather, unit may step into protection mode and stay idle.
3. Heating capacity and efficiency decrease as outdoor temperature drops. Cooling capacity and efficiency drop as outdoor temperatures rise.

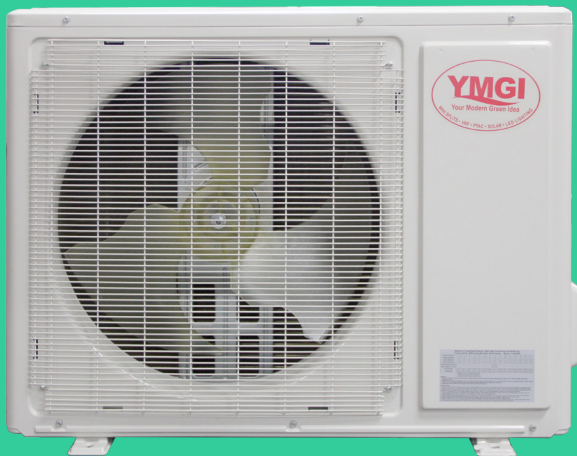
# SYMPHONY SOLO (57) SERIES

## INDOOR UNIT



WMMS-09E-V2A(57)2  
WMMS-12E-V2A(57)2  
WMMS-18E-V2B(57)3  
WMMS-24E-V2B(57)3

## OUTDOOR UNIT



WMMS-09C-V2A(57)2  
WMMS-12C-V2A(57)2  
WMMS-18C-V2B(57)3  
WMMS-24C-V2B(57)3

YMGI

Symphony SOLO 57 Series



DC INVERTER

Single-Zone Wall-Mounted Mini Split

### YMGI DC INVERTER SOLO Single Zone- Wall Mounted Indoor Unit

The SOLO (57)2 and 3 Series uses a Wall Mounted evaporator unit that provides quiet and efficient heating and cooling that is designed for single room applications.

The SOLO (57) features an easy to read LED display that shows the set temperature. A motorized louver system quietly distributes air throughout the space. The SOLO 57 provides precise and efficient temperature control to create a comfortable living or working environment



### YMGI DC INVERTER SOLO Single Zone-Outdoor Unit

The SOLO (57)2 and 3 Series outdoor condensing units have a 16 SEER rating. With heating and cooling capacities of 9k and 12k that run off of a 115 volt, 1 phase, 60Hz electrical supply, as well as 18k, 24k, 30k and 36k that are powered by 208-230 volt, 1 phase, 60Hz. The compact design allows for ground installation, or mounting on a wall, under a deck, roof top, or even on a balcony.

### Simple To Install

The (57) 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 and communication wiring.



# DC Inverter Mini System-Single Zone (57)2,3 16 SEER

## SOLO Wall Mount 09, 12, 18 & 24K

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	
Standard/ Min./Max. Cooling Capacities	Btu/h	9000 / 3,500 / 11,000	11800 / 3,300 / 12,500	18000 / 4,500 / 21,000	22000 / 6,400 / 24,000	
Standard/ Min. /Max. Heating Capacities	Btu/h	9800 / 2,500 / 11,000	13000 / 3,400 / 13,500	19200 / 4,000 / 23,000	26600 / 4,100 / 26,600	
Standard/ Min. /Max. Cooling Power Input	W	750 / 220 / 1,100	1260 / 260 / 1,340	1620 / 200 / 2,400	2,200 / 300 / 2,550	
Standard/ Min. /Max. Heating Power Input	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	
	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	
	Fan Wheel Diameter x Length (DxL)	Inch	ø3 39/64 x 23 3/8	ø3 39/64 x 23 3/8	ø3 7/8 x 25 39/64	ø 3 7/8 x 30 1/8
	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
	Fan Motor Capacitor	µF	4	4	1.5	2.5
	Ele. Heater	W	NA	NA	NA	NA
	Evaporator Type		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
	Evaporator Pipe Diameter	Inch	ø 5/16	ø 5/16	ø 5/16	ø 5/16
	Evaporator Row-fin Gap	Inch	2 @ 1/16	2 @ 1/16	2 @ 3/64	2 @ 3/64
	Evaporator Coil W x H x D	Inch	24 x 11 39/64 x 1	24 x 11 39/64 x 1	25 7/8 x 12 x 1	25 7/8 x 12 x 1
	Swing Motor Model		MP24BA	MP24BA	MP28VB	MP85XX
	Swing Motor Power Output	W	2	2	2	2
	Fuse Location-Size	Amp.	PCB 3.15 Transformer 0.2	PCB 3.15 Transformer 0.2	PCB 3.15 Transformer 0.2	PCB 3.15 Transformer 0.2
	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
	Dimension of Carton Box (W x H x D)	Inch	33.2 x 13.5 x 10.3	33.2 x 13.5 x 10.3	37.2 x 15.0 x 11.6	42.2 x 15.6 x 12.3
	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 Oil		-	FVC68D	FV50S	FV50S	
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
Compressor Overload Protector		-	1NT11L-6233	1NT11L-6233	1NT11L-6578	1NT11L-3979
Fan Type		-	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Fan Blade Diameter		Inch	ø 15 3/4	ø 15 3/4	ø 20 1/2	ø 20 1/2
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
FanMotor Capacitor		µF	NA (DC)	NA (DC)	3.5	3.5
Condenser Form		-	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
Condenser Pipe Diameter		Inch	ø 9/32	ø 9/32	ø 9/32	ø 9/32
Condenser Rows-FinGap		Inch	2 @ 1/16	2 @ 1/16	2 @ 3/64	2 @ 3/64
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 Temperature Ranges		°F	Gen. 2 64.4° - 113°	Gen. 2 64.4° - 113°	Gen. 3 19° - 113°	Gen. 3 19° - 113°
Heating Operation Outdoor Ambient Temperature Ranges		°F	5° - 75°	5° - 75°	5° - 75°	5° - 75°
Throttling Method		-	Electron Expansion Valve	Electron Expansion Valve	Capillary	Electron Expansion Valve
Defrosting Method		-	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Climate Type /Zone		-	T1 / Sub-Tropical Zone	T1 / Sub-Tropical Zone	T1 / Sub-Tropical Zone	T1 / Sub-Tropical Zone
Isolation /Moisture Protection		-	I / IP24	I / IP24	I / IP24	I / IP24
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
Dimensions of Carton Box (W x H x D)		Inch	34.6 x 14.2 x 22.9	34.6 x 14.2 x 22.9	40.4 x 17.9 x 28.9	40.4 x 17.9 x 28.9
Net /Gross Weight		lb	68.4 / 77.2	68.4 / 77.2	106 / 117	115 / 126
Refrigerant		-	R-410A	R-410A	R-410A	R-410A
Refrigerant Factory Charge		oz	35.30	35.3	45.86	54.7
Connection Pipes	Length without Adjusting Refrigerant	ft.	25	25	25	
	Additional Refrigerant Charge	oz/ft.	0.2	0.2	0.2	
	Outer Diameter of Liquid Pipe	Inch	1/4	1/4	1/4	
	Outer Diameter of Gas Pipe	Inch	3/8	3/8	1/2	
	Max. Allowed ID-OD Elevation Difference	ft.	32.8	32.8	33	
Max. Allowed ID-OD Distance/Length	ft.	65.6	65.6	82	82	

### Important Notes:

1. Performance rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F, OD 47/43°F. Unit performance varies with weather and ambient temperature changes.
2. Select equipment capacity sizes per space load calculation schedule and cooling & heating hours. Do not over size or under size equipment.
3. Watch unit operation during extreme weather conditions in summer and winter. A wind baffle can help system cooling & heating performance in low ambient temperature ranges.

# SYMPHONY SOLO (58)4 SERIES

## INDOOR UNIT

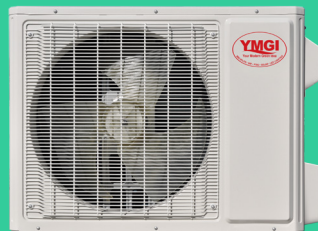


WMMS-09E-V2B(58)4  
WMMS-12E-V2B(58)4  
WMMS-18E-V2B(58)4  
WMMS-24E-V2B(58)4  
WMMS-30E-V2B(58)4  
WMMS-36E-V2B(58)4

## OUTDOOR UNIT



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

YMGI

Symphony SOLO 58 Series



DC INVERTER

Single-Zone Wall-Mounted Mini Split

### YMGI EW DC INVERTER SOLO

#### Single Zone-Wall Mounted Indoor Unit

The SOLO (58)4 Series Wall Mounted unit is the most popular evaporator style, and offers a quiet and efficient heating and cooling solution for any single room application. It features an LED display that shows the set temperature and operating mode. A motorized louver system quietly distributes air evenly throughout the space. It provides quiet and precise climate control for your living and work environment.

### YMGI DC INVERTER SOLO

#### Single Zone-Outdoor Unit

The SOLO (58)4 Outdoor Units have SEER ratings of 18 to 23. With heating and cooling capacities of 9k to 36k, they are powered by 208-230 volt, 1 phase, 60Hz electrical supply. The (58) 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 unit comes precharged with environmentally friendly R-410A refrigerant. Compact design allows for ground installation, or mounting in a variety of locations, including on a wall, under a deck or on a balcony.

### Simple To Install

The (58) Series Heat Pump systems have an indoor unit that uses an integrated mounting plate, and requires a 3" hole for conduit. The conduit houses the condensate drain hose, refrigerant pipes, electrical and communication wiring.

# DC Inverter Single Zone E (58)4 18-23 SEER

## SOLO Wall Mount 09, 12, 18, 24, 30 & 36K

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 Protector In Incoming Power Supply	Field-Install	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 Min./Rating/Max.	Btu/h	1900 / 11000 / 12000	2400 / 13000 / 14000	7300 / 19800 / 23500	6800 / 23000 / 30700	10000 / 28400 / 33000	15000 / 34600 / 36000
Cooling Power Input Min./Stand./Max.	W	160 / 630 / 1300	200 / 960 / 1350	450 / 1435 / 2150	450 / 1760 / 3000	600 / 2700 / 3900	450 / 4100 / 4300
Heating Power Input Min./Stand./Max.	W	160 / 1020 / 1350	400 / 1100 / 1400	580 / 1730 / 2600	450 / 2000 / 3000	650 / 2800 / 4000	560 / 3800 / 4300
EER	W/W	4.19	3.66	3.68	3.66	3.04	2.40
EER	(Btu/h)/w	14.29	12.50	12.50	12.50	10.37	8.20
COP	W/W	3.16	3.46	3.35	3.37	2.97	2.67
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
Cooling Current	A	2.80	4.50	6.37	8.05	11.5	17
Heating Current	A	3.50	5.50	7.68	8.35	12	16.5
Rated Input	W	1350	1400	3000	3000	4000	4300
Rated Current	A	5.8	6.0	10.39	14.49	17	20
Rated Heating Current	A	6.0	6.3	12.56	14.49	17.5	20
Max. Over Current Protection	A	20	20	30	30	40	40
Min. Current (MCA)	A	9	9	16	20	20	24
Starting Current	A	2	2	5	5	2	2
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
Fan Type		Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow
Fan Diameter Length (DxL)	inch	ø 3 55/64 x 25	ø 3 55/64 x 25	ø 4 3/16 x 27 51/64	ø 4 1/4x32 43/64	ø 4 1/4 x 20 37/64	ø 4 1/4 x 20 37/64
Cooling Speed	r/min	1350 / 1200 / 1050 / 750	1400 / 1200 / 1050 / 800	1400 / 1200 / 1050 / 800	1300 / 1100 / 900 / 850	1350 / 1150 / 950 / 850	1400 / 1250 / 1000 / 800
Heating Speed	r/min	1300 / 1150 / 1000 / 900	1400 / 1200 / 1000 / 900	1400 / 1200 / 1100 / 900	1300 / 1100 / 1000 / 900	1350 / 1200 / 1000 / 800	1400 / 1250 / 1050 / 850
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
Washable Filter		Yes	Yes	Yes	Yes	Yes	Yes
Fan Motor Power Output	W	20	20	60	60	70	70
Fan Motor RLA	A	0.09	0.09	0.24	0.38	0.4	0.4
Fuse on Control Board	A	3	3	3	3	3	3
Evaporator Form		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
Evaporator Pipe Diameter	inch	ø 9/32	ø 9/32	ø 9/32	ø 9/32	ø 9/32	ø 9/32
Evaporator Coil Length (LxDxW)	inch	25 x 7/8 x 12 1/16	25 x 7/8 x 12 1/16	28 9/64 x 1 x 12	33 1/4 x 1 x 13 1/2	42 9/32 x 1 x 15	42 9/32 x 1 x 15
Swing Motor Model		MP24BA	MP24BA	MP35CJ	MP35CJ	MP24BA	MP24BA
Swing Motor Power Output	W	1.5	1.5	2.5	2.5	1.5	1.5
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	/	/
Sound Power Level	dB (A)	53/49/45/39	55/49/45/39	57/53/50/49	58/54/50/46	/	/
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
Dimension of Package (LxWxH)	inch	36 9/32 x 11 1/16 x 14 29/32	36 9/32 x 11 1/16 x 14 29/32	40 31/32 x 15 5/64 x 12 19/32	45 13/64 x 16 1/4 x 13 3/32	56 3/4 x 16 19/32 x 14 3/32	56 3/4 x 16 19/32 x 14 3/32
Allowed Max. Parallel-Stack Layers		7	7	7	7	7	7
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 Trademark		GR	GR	GR	GR	GR	GR
Compressor Oil		DAPHNE FVC50K	DAPHNE FVC50K	RB68EP	RB68EP	PVE	FV50S
Compressor Type		Swing	Swing	Rotary	Rotary	Rotary	Rotary
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
Compressor Power Input	W	845	845	1440	2550	2450	3010
Compressor Overload Protector		KSD115°C or HPC115/95	KSD115°C or HPC115/95	1NT11L-6233 or KSD115°C or HPC115/95U1	1NT11L-6233/HPC 115/95 / KSD115°C	1NT11L-6233	CS01F272H01
Fan Type / Diameter	--/inch	Axial-flow / 15.748	Axial-flow / 15.748	Axial-flow / 21.654	Axial-flow / 21.654	Axial-flow / 21.654	Axial-flow / 21.654
Fan Motor Power Output	W	30	30	60	92	120	170
Fan Motor RLA	A	/	/	0.49	0.65	0.45	0.73
Outdoor Unit Air Flow Volume	CFM	1060	1180	1880	2350	2350	2590
Condenser Fin / Tube Structure		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Condenser Pipe Diameter	inch	ø 0.375	ø 0.375	ø 9/32	ø 9/32	ø 5/16	ø 3/8
Permissible Excessive Operating Pressure for the Discharge Side	PSIG	624	624	624	624	624	624
Maximum Allowable Pressure	PSIG	624	624	624	624	624	624
Throttling Method		Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve
Defrosting Method		Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
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	43.625 x 43.25 x 17.375
Dimension of Package (WxHxD)	inch	34.75 x 23.41 x 14.31	34.75 x 25.41 x 14.31	40.5 x 29.63 x 18	42.63 x 33.75 x 19.22	42.75 x 33.75 x 19.22	42.63 x 33.75 x 19.22
Allowed Max. Parallel-Stack Layers	--	5	4	3	3	3	3
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
R-410A 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
Standard Control		Remote	Remote	Remote	Remote	Remote	Remote
Wall Controller		No	No	No	No	Optional	Optional
Bridge Controller Compatible		Yes	Yes	Yes	Yes	Yes	Yes
Thermostat							

Nest, Honeywell, YMG, Pro1 are compatible with the Bridge Controller (Sold Separately)

### Important Notes:

- Performance rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F, OD 47/43°F. Unit performance varies with weather and ambient temperature changes.
- Select equipment capacity sizes per space load calculation schedule and cooling & heating hours. Do not over size or under size equipment.
- Watch unit operation during extreme weather conditions in summer and winter. A wind baffle can help system cooling & heating performance in low ambient temperature ranges.

# SYMPHONY SOLO (58)4 EC SERIES

## INDOOR UNIT



- WMMS-18EC-V2B(58)4
- WMMS-24EC-V2B(58)4
- WMMS-30EC-V2B(58)4
- WMMS-36EC-V2B(58)4
- WMMS-48EC-V2B(58)4



YMGI

Symphony SOLO 58 Series



DC INVERTER

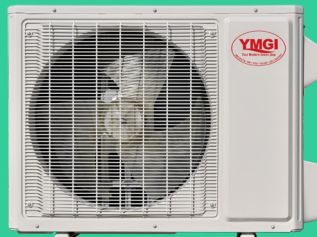
Single-Zone Wall-Mounted Mini Split

### YMGI EC DC INVERTER SOLO

#### Single Zone-Ceiling Cassette Indoor Unit

The SOLO single 58 series ceiling cassette indoor unit is the perfect solution for large open rooms that are more than 25' long or wide. 18K Btu units are 23.5" square, allow easy installation in a 24" joist space, and mount flush to the ceiling. 24K and 30k units are 32.75" square, while 36k and 48k are 37.975" square. Each unit has a digital readout that displays unit settings and technician information. Remote control and wall mounted controls are included.

## OUTDOOR UNIT



WMMS-18C-V2B(58)4



WMMS-24C-V2B(58)4  
WMMS-30C-V2B(58)4



WMMS-36C-V2B(58)4



WMMS-48C-V2B(58)4

### YMGI DC INVERTER SOLO

#### Single Zone-Outdoor Unit

The SOLO (58)4 Outdoor Units have SEER ratings of 18 to 23. With heating and cooling capacities of 18k to 48k, they are powered by 208-230 volt, 1 phase, 60Hz electrical supply. The (58) 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 unit comes precharged with environmentally friendly R-410A refrigerant. The compact design allows for ground installation, or mounting in a variety of discreet locations, including on a wall, under a deck or on a balcony.

#### Simple To Install

The (58) Series Heat Pump systems have an indoor unit that uses an integrated mounting plate, and requires a 3" hole for conduit. The conduit houses the condensate drain hose, refrigerant pipes, electrical and communication wiring.

# DC Inverter Single Zone EC (58)4 18-23 SEER

## SOLO Ceiling Cassette 18, 24, 30, 36 & 48K

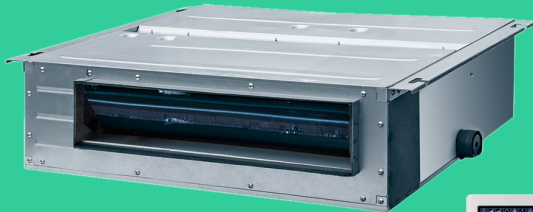
System		WMMS-18KC-U2B(58)4	WMMS-24KC-U2B(58)4	WMMS-30KC-U2B(58)4	WMMS-36KC-U2B(58)4	WMMS-48KC-U2B(58)4
Power Supply	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Power Voltage Allowed Min./Max.	V	187 / 253	187 / 253	187 / 253	187 / 253	187 / 253
Surge Protector In Incoming Power Supply	Field-Install	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
<b>Indoor Unit Model</b>		<b>WMMS-18EC-U2B(58)4</b>	<b>WMMS-24EC-U2B(58)4</b>	<b>WMMS-30EC-U2B(58)4</b>	<b>WMMS-36EC-U2B(58)4</b>	<b>WMMS-48EC-U2B(58)4</b>
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
Evaporator Form		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
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
Sound Power 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
<b>Outdoor Unit Model</b>		<b>WMMS-18C-U2B(58)4</b>	<b>WMMS-24C-U2B(58)4</b>	<b>WMMS-30C-U2B(58)4</b>	<b>WMMS-36C-U2B(58)4</b>	<b>WMMS-48C-U2B(58)4</b>
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
Condenser Fin / Tube Structure		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Throttling Method		Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve
Defrosting Method		Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
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
R-410A 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

### Important Notes:

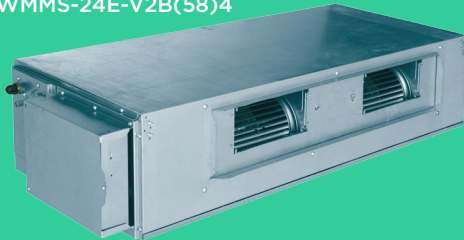
1. Performance rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F, OD 47/43°F. Unit performance varies with weather and ambient temperature changes.
2. Select equipment capacity sizes per space load calculation schedule and cooling & heating hours. Do not over size or under size equipment.
3. Watch unit operation during extreme weather conditions in summer and winter. A wind baffle can help system cooling & heating performance in low ambient temperature ranges.

# SYMPHONY SOLO (58)4 EF SERIES

## INDOOR UNIT



WMMS-18E-V2B(58)4  
WMMS-24E-V2B(58)4



WMMS-30E-V2B(58)4  
WMMS-36E-V2B(58)4  
WMMS-48E-V2B(58)4



## YMGI

## Symphony SOLO 58 Series



## DC INVERTER

## Single-Zone Wall-Mounted Mini Split

### YMGI EF DC INVERTER SOLO

#### Recessed Fan Coil Indoor Unit

The SOLO single 58 EF series Recessed Fan Coil unit is an ideal solution for rooms where surface mounting is not an option. Available in 18K, 24K, 30K, 36K and 48K capacities. EF units can be installed above ceilings or below floors, or in confined spaces like walk-in closets, foyers, or hallways. With a short section of ducting, they can be attached to a standard floor or wall register, making them suitable for in locations where you don't want the HVAC equipment exposed, or lack available floor, ceiling, or wall space.

### YMGI DC INVERTER SOLO

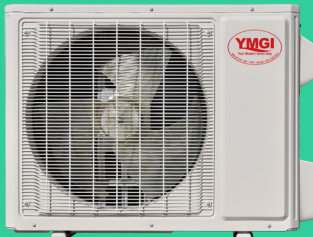
#### Single Zone-Outdoor Unit

The SOLO (58)4 Outdoor Units have SEER ratings of 18 to 23. With heating and cooling capacities of 18k to 48k, they are powered by 208-230 volt, 1 phase, 60Hz electrical supply. The (58) 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 unit comes precharged with environmentally friendly R-410A refrigerant. The compact design allows for ground installation, or mounting in a variety of discreet locations, including on a wall, under a deck or on a balcony.

### Simple To Install

The (58) Series Heat Pump systems have an indoor unit that uses an integrated mounting plate, and requires a 3" hole for conduit. The conduit houses the condensate drain hose, refrigerant pipes, electrical and communication wiring.

## OUTDOOR UNIT



WMMS-18C-V2B(58)4



WMMS-24C-V2B(58)4  
WMMS-30C-V2B(58)4



WMMS-36C-V2B(58)4



WMMS-48C-V2B(58)4

# DC Inverter Single Zone EF (58)4 18-23 SEER

## SOLO Recessed Fan Coil 18, 24, 30, 36 & 48K

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	Field-Install	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
Evaporator Form		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
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
Sound Power 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.	40.88x 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 x29.5 x 13.75
Outdoor Unit Model		WMMS-18C-U.2B(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
Condenser Fin / Tube Structure		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Throttling Method		Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve
Defrosting Method		Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
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
R-410A 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

### Important Notes:

1. Performance rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F, OD 47/43°F. Unit performance varies with weather and ambient temperature changes.
2. Select equipment capacity sizes per space load calculation schedule and cooling & heating hours. Do not over size or under size equipment.
3. Watch unit operation during extreme weather conditions in summer and winter. A wind baffle can help system cooling & heating performance in low ambient temperature ranges.

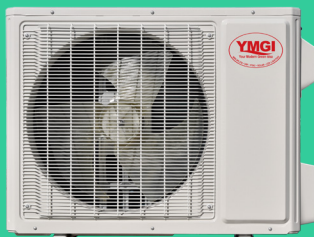
# SYMPHONY SOLO (58)4 EU SERIES

## INDOOR UNIT



- WMMS-18E-V2B(58)4
- WMMS-24E-V2B(58)4
- WMMS-30E-V2B(58)4
- WMMS-36E-V2B(58)4
- WMMS-48E-V2B(58)4

## OUTDOOR UNIT



WMMS-18C-V2B(58)4



WMMS-24C-V2B(58)4  
WMMS-30C-V2B(58)4



WMMS-36C-V2B(58)4



WMMS-48C-V2B(58)4

YMG

Symphony SOLO 58 Series



DC INVERTER

Single-Zone Wall-Mounted Mini Split

### YMG EU DC INVERTER SOLO

#### EU Floor/Ceiling Mounted Indoor Unit

The SOLO (58)4 Series Floor/Ceiling Mounted EU indoor units offer a low profile and flexible solution that can be installed on a ceiling, floor, or wall. Quietly and efficiently heat and cool large open spaces, the EU is available in 18K, 24K, 30K, 36K and 48K capacities. The EU has a digital display that shows set temperature, operation mode, and provides technical information, and comes with a remote and wall controller for easy mode and temperature control.

### YMG DC INVERTER SOLO

#### Single Zone-Outdoor Unit

The SOLO (58)4 Outdoor Units have SEER ratings of 18 to 23. With heating and cooling capacities of 18k to 48k, they are powered by 208-230 volt, 1 phase, 60Hz electrical supply. The (58) 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 unit comes precharged with environmentally friendly R 410A refrigerant. The compact design allows for ground installation, or mounting in a variety of discreet locations, including on a wall, under a deck or on a balcony.

### Simple To Install

The (58) Series Heat Pump systems have an indoor unit that uses an integrated mounting plate, and requires a 3" hole for conduit. The conduit houses the condensate drain hose, refrigerant pipes, electrical and communication wiring.



# DC Inverter Single Zone EU (58)4 18-23 SEER

## SOLO Floor/Ceiling Mount 18, 24, 30, 36 & 48K

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	Field-Install	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
<b>Indoor Unit Model</b>		<b>WMMS-18EU-U2B(58)4</b>	<b>WMMS-24EU-U2B(58)4</b>	<b>WMMS-30EU-U2B(58)4</b>	<b>WMMS-36EU-U2B(58)4</b>	<b>WMMS-48EU-U2B(58)4</b>
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
Evaporator Form		Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
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
Sound Power 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
<b>Outdoor Unit Model</b>		<b>WMMS-18C-U.2B(58)4</b>	<b>WMMS-24C-U2B(58)4</b>	<b>WMMS-30C-U2B(58)4</b>	<b>WMMS-36C-U2B(58)4</b>	<b>WMMS-48C-U2B(58)4</b>
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
Condenser Fin / Tube Structure		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Maximum Allowable Pressure	PSIG	624	624	624	624	624
Throttling Method		Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve
Defrosting Method		Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
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
R-410A 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

### Important Notes:

1. Performance rated for matched system at standard conditions-cooling ID 80/67°F, OD 95°F; heating ID 70/60°F, OD 47/43°F. Unit performance varies with weather and ambient temperature changes.
2. Select equipment capacity sizes per space load calculation schedule and cooling & heating hours. Do not over size or under size equipment.
3. Watch unit operation during extreme weather conditions in summer and winter. A wind baffle can help system cooling & heating performance in low ambient temperature ranges.

# SYMPHONY SOLO (78)1 SERIES



WMMS-09E-V2B(78)1 WMMS-24E-V2B(78)1  
WMMS-12E-V2B(78)1 WMMS-30E-V2B(78)1  
WMMS-18E-V2B(78)1 WMMS-36E-V2B(78)1



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

YMGI

Symphony SOLO 78 Series



DC INVERTER

Single-Zone Wall-Mounted Mini Split

## YMGI DC INVERTER SOLO

### Single Zone-Wall Mounted Indoor Unit

The SOLO (78) Series uses a Wall Mounted evaporator unit that provides quiet and efficient heating and cooling. The (78) 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 SOLO

### Single Zone-Outdoor Unit

The SOLO (78) Outdoor Units are high efficiency systems with SEER ratings of 17.6 to 23.3 and heating and cooling capacities of 9k to 36k. The Outdoor Units are powered by 208-230 volt, 1 phase, 60Hz. The (78) Series is ideal for large open spaces that only require a single heating and cooling zone. The (78) Outdoor Units are precharged with environmentally friendly R-410A refrigerant. The compact design allows for ground installation, or mounting in a variety of locations, including on a wall, under a deck or on a balcony.

## Simple To Install

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

# DC Inverter Mini System-Single Zone (78)1 18-23 SEER

## SOLO Wall Mount 09, 12, 18, 24, 30 & 36K

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	
Performance	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
	R-410A 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	
Electrical System	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 #	ASD088RKA6JT6	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	
Evaporator	Outdoor motor MFG	Weiling	WOLONG	Broad-ocean	Weiling	Weiling	Weiling	
	Outdoor motor model #	ZWA138D08A	ZWA138D08A	DG1322D-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 7/16 x 11 9/16 x 1 1/8	24 7/16 x 11 9/16 x 1 1/8	33 5/32 x 14 7/8 x 1 1/8	33 5/32 x 14 7/8 x 1 1/8	38 25/32 x 16 17/32 x 1 3/32	38 25/32 x 16 17/32 x 1 3/32	
	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	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	
Packaging	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 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	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	
	Indoor Unit Packing Dimensions W x H x D (With pipe)	in. 34.25 x 13.19 x 10.44	34.25 x 13.19 x 10.44	46.06 x 15.38 x 12.44	46.06 x 15.38 x 12.44	54.5 x 17.13 x 12.81	54.5 x 17.13 x 12.81	
	Outdoor Unit Packing Dimensions WxHxD (With pipe)	in. 32.69 x 20.88 x 13.38	37 x 25.19 x 15.19	39.19 x 28.75 x 17.5	41.34 x 35.81 x 19.63	41.34 x 35.81 x 19.63	41.34 x 35.81 x 19.63	

# THE YMGI ADVANTAGE

## Ease of Installation

The hook-up between the mini split outdoor and indoor units normally only requires a three-inch hole for the conduit that contains the drain hose, wiring, and refrigeration pipes.

Mini split outdoor units can be located up to 150 feet from the indoor units, making it possible to place the outdoor condensing unit where it can't be seen.

The mini split outdoor condensing units are designed to be installed anywhere a central air conditioner or heat pump can, with the added flexibility of being able to be installed on a wall, placed on a balcony, below a deck, inside a garage, and many more places where a conventional air conditioner would be impossible to fit.

Professionally trained YMGI certified technicians can properly install your mini split, ensuring your system provides you with a lifetime of worry-free comfort.



## Technical Support

YMGI offers full technical support for all of our heating and cooling systems. If you have any questions about the operation of your unit, please consult your owner's manual. It will help you understand unit operation, various functions, and proper operation and maintenance of your system.

If your HVAC technician has any questions about installation or service, we provide technical assistance at **866-833-3138 ext. 703**.



## Customer Service

When you or your technician calls YMGI hotlines, you will always talk to a live person. Customer service and our commitment to quality are the most important parts of our business. We value each and every customer, and our goal is to exceed your expectations.

**YMGI Group**  
601 Arrow Ln  
O'Fallon, Missouri 63366  
Phone: 1-866-833-3138  
Fax: 1-866-377-3355

**Sales:**  
[sales@ymgigroup.com](mailto:sales@ymgigroup.com)

**Technical Support:**  
[techsp@ymgigroup.com](mailto:techsp@ymgigroup.com)

**Service & Warranty:**  
[customerservice@ymgigroup.com](mailto:customerservice@ymgigroup.com)



## Warranty Overview

If you aren't satisfied, neither are we. Proper installation matters greatly to the performance and lifespan of your system. Having your system installed by a qualified HVAC installer is the first step.

If for any reason you do not receive a prompt response, you can call our 24 hour 7 days a week toll free number at 1-866-833-3138 ext.704 or email us at [customerservice@ymgigroup.com](mailto:customerservice@ymgigroup.com).

To expedite service, please include a copy of your purchase invoice number, contractor installation invoice, unit model number and serial number, a full description of your problem, along with any photos or information that will help us resolve your issue as quickly as possible.

## Credentials & Certification

All YMGI systems are ETL listed in both the U.S. and Canada. They are also certified by the AHRI and ENERGY STAR® to exceed current energy efficiency world standards.

## Tax Credits

When purchasing your YMGI Solo Series DC Inverter high efficiency system, don't forget to take advantage of the many available federal tax credits. Many states and utility companies also offer tax incentives and rebates. Check your electric company's website, or go to [ymgigroup.com](http://ymgigroup.com) to see what incentives are available in your area.

## ACCESSORIES

- REMOTE CONTROL
- THERMOSTAT
- BRACKETS (FOR OUTDOOR UNIT)
- FOOT RISERS (FOR OUTDOOR UNIT)
- COPPER/WIRE/ACC.SET (ACC. KIT)
- LINESET COVERS
- WINTER WIND BAFFLE
- BRIDGE CONTROLLER
- ADVANCED FILTER OPTIONS
  - HEPA/Enzyme/
  - Cold Catalyst Filter
  - Anion Generator

## Quality & More

### Thoroughly Tested

Each YMGI system is factory tested and are packaged and shipped only after all safety, operational functions, features and cosmetic details have passed inspection. Our strict quality control tests follow some the highest standards in the industry.

### Reliable Quality

YMGI products are designed using the latest technology and always keep the end user in mind. Using the highest quality parts, each YMGI unit is built to last. Best of all, every YMGI system is backed by our professional technical support.

## ENERGY STAR®

The Energy Star® label guarantees a product meets or exceeds the guidelines of the ENERGY STAR® program.

ENERGY STAR® is the trusted, symbol for energy efficiency.

The ENERGY STAR label was

established to encourage consumers to identify and select energy-efficient products that offer savings on energy bills without sacrificing performance, features, or comfort.

Our DC INVERTER systems, along with many other YMGI products, are ENERGY STAR® qualified.





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 possible, to all of our customers. Our mission is to help build a sustainable, efficient and green world.

### **YMGI Symphony-Ductless & Ducted Heat Pump & Heat Recovery:**

- **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.**
- **Symphony HARMONY-Packaged Self-Contained 42"x16"**  
PTAC/PTHP Electric Heater or Hot Water Coil, and VPAK
- **Symphony CONDUCTOR-Split Type Condensing Units Side Discharge VRUO & VRFO**

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