

M-SERIES CONTRACTOR GUIDE



INTRODUCING MXZ-C H2i®

M
SERIES



MITSUBISHI ELECTRIC IS A WORLD LEADER IN PRODUCTS THAT HELP PEOPLE MAKE COMFORT PERSONAL

When it comes to providing personalized comfort in every room of every building, we are here to help. No other company is as committed to creating environmentally friendly and affordable technology that's ideal for today's home and work environments no matter the size or shape. With over 30 years of industry leadership, we are proud to be America's #1 selling brand of ductless technology.

QUALITY

Mitsubishi Electric is consistently recognized by HVAC contractors as the #1 preferred brand with the highest quality rating among manufacturers. Our products provide extraordinary service life extending years beyond the norm.

PERFORMANCE

We deliver a complete range of compact and powerful cooling and heating products that are also intelligent, energy-efficient and quiet.

TRAINING

We provide comprehensive product and applications instruction through our regional training centers across the United States.

SUPPORT

We offer national TV and digital campaigns, co-op and advertising assistance, social media exposure and training, meSync apps for iPhone and iPad and the most experienced sales, engineering and service professionals.

GROWTH

With nearly 20 years of consistent double-digit percentage growth, we continue to lead the market's growth acceleration. Our products and services provide opportunities for distributors and contractors to enhance and grow their businesses.

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PRODUCT OVERVIEW



Features

Benefits

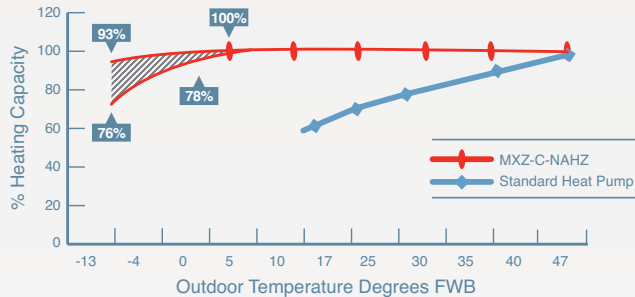
INVERTER-DRIVEN COMPRESSORS	Maximizes energy savings by using only the energy needed to perfectly cool or heat an area
EASY INSTALLATION	Installs quickly and easily, without the need for major construction and remodeling
COMPLETE ZONE CONTROL	Realizes maximum control and energy efficiency by cooling and heating only those spaces in use
PERSONAL COMFORT CONTROL	Complete comfort control of temperature, fan speed, and air direction in each room or zone
CLEANER AIR WITH WASHABLE, ANTI-ALLERGEN FILTERS	Improves air quality and saves money
HYPER-HEATING INVERTER® (H2I®) HEAT PUMPS	Provides instant warmth even in extreme climates (down to -13° F)
ULTIMATE ENERGY EFFICIENCY	With higher SEER and HSPF ratings

HEAT AND LOTS OF IT



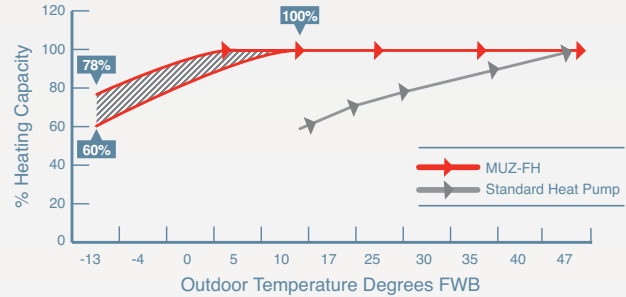
Mitsubishi Electric Hyper-Heating INVERTER® systems feature the most advanced heat pump technology for delivering exceptional heating performance. Single zone and multi-zone systems give you year-round comfort control of one room to every room of the home.

H2i MXZ HEATING CAPACITY AT LOW TEMPERATURES*



* Includes correction for defrost.
NOTE: Low ambient temperature conditions may require base pan heater (MSZ-GE and MSZ-FE 1:1 systems)

MUZ-FH H2i HEATING CAPACITY AT LOW TEMPERATURES*



* Includes correction for defrost.
NOTE: Low ambient temperature conditions may require base pan heater (MSZ-GE and MSZ-FE 1:1 systems)

HEATING

Even when it's -13° F outdoor ambient, producing up to 100% heating capacity at 5° F.

YEAR-ROUND COMFORT

in extreme climates without the need for energy-consuming indoor supplemental heating devices.

HOT-START TECHNOLOGY

provides warmth from the start, reducing drafts.

MINIMAL MAINTENANCE

thanks to easily accessible filters, little or no ductwork to clean, and simple wiring between the indoor and outdoor units.



QUIETER THAN A HUMAN WHISPER

Do you hear that? No? Mitsubishi Electric systems operate at low sound levels. Our indoor units produce decibels barely at a whisper level. Compare to other common sounds:

Ambulance siren	120 decibels
Circular saw	110 decibels
Vacuum cleaner	80 decibels
Normal conversation	60 decibels
Whisper	30 decibels
Our indoor units	19-34 decibels*

Did you hear that? We hope you did.

Source: National Institute for Occupational Safety and Health
 *Smallest to largest capacity indoor unit at low speed



ENERGY EFFICIENT AND ENVIRONMENTALLY FRIENDLY

M-Series systems utilize green technologies, and are much more efficient. Homeowners never have to sacrifice comfort over worries about high-energy costs.

- ▶ INVERTER-driven compressor technology results in substantial energy and utility savings for homeowners.
- ▶ Zone control for improved comfort and decreased energy usage.
- ▶ Many ENERGY STAR® certified systems.
- ▶ SEER ratings as high as 33.1 – dramatically better than conventional systems.
- ▶ Local and state utility rebates and incentive opportunities.
- ▶ Environmentally friendly R410A refrigerant with zero Ozone Depletion Potential (ODP).
- ▶ 83% of system components are recyclable.
- ▶ Washable filters made from natural materials.

Visit dsireusa.org for information on available local rebate opportunities from state or utility companies.

Savings Opportunities

Mitsubishi Electric split-zoning, cooling-only and heat pump systems are so energy efficient that a majority of our INVERTER-driven systems have received ENERGY STAR® certification. This can mean big savings. Add in the federal tax credit and local government and utility rebates, and you have an opportunity to enjoy comfort at substantial savings.

For details on qualifying systems, go to www.mitsubishicomfort.com/taxcredit, or visit www.dsireusa.org for information on available local rebate opportunities from state governments or utility companies.



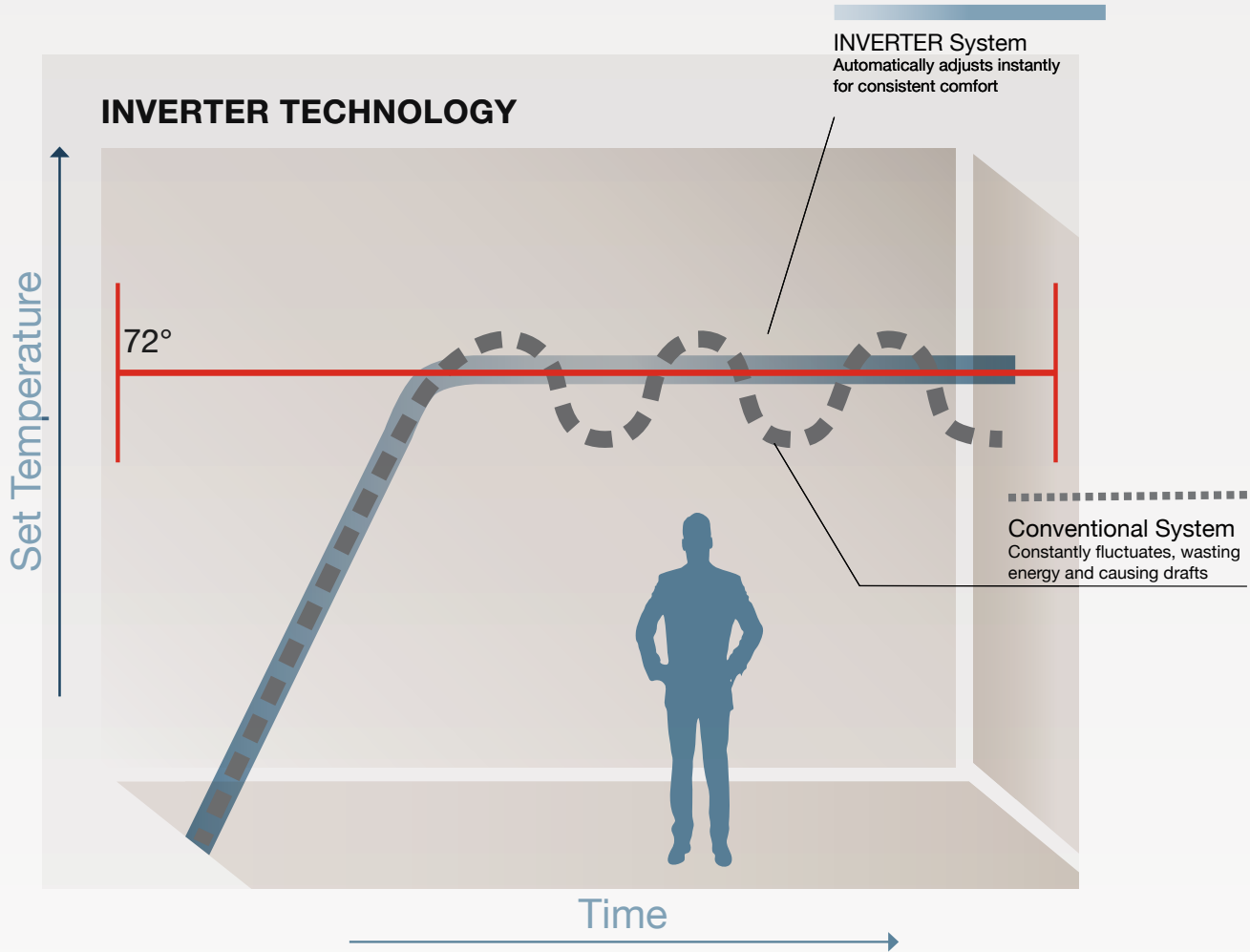
ENERGY STAR® CERTIFIED SYSTEMS

RESIDENTIAL AIR CONDITIONER					
AHRI Reference #	Outdoor	Indoor	EER 95 F	SEER	HSPF
8715778	MUY-GL09NA-U1	MSY-GL09NA-U1	15.40	24.60	N/A
8715779	MUY-GL12NA-U1	MSY-GL12NA-U1	13.00	23.10	N/A
8715780	MUY-GL15NA-U1	MSY-GL15NA-U1	13.00	21.60	N/A
8715781	MUY-GL18NA-U1	MSY-GL18NA-U1	13.40	20.50	N/A
8715782	MUY-GL24NA-U1	MSY-GL24NA-U1	12.50	20.50	N/A
RESIDENTIAL HEAT PUMP					
AHRI Reference #	Outdoor	Indoor	EER 95 F	SEER	HSPF
8797130	MUZ-FH06NA	MSZ-FH06NA	19.00	33.10	13.50
7002062	MUZ-FH09NA	MSZ-FH09NA	16.10	30.50	13.50
7002063	MUZ-FH12NA	MSZ-FH12NA	13.80	26.10	12.50
7002444	MUZ-FH15NA	MSZ-FH15NA	12.50	22.00	12.00
8797133	MUZ-FH18NA2	MSZ-FH18NA2	12.50	21.00	12.00
8856678	MUZ-GL09NA-U8	MSZ-GL09NA-U1	15.40	24.60	12.80
8715783	MUZ-GL12NA-U1	MSZ-GL12NA-U1	13.00	23.10	12.50
8715784	MUZ-GL15NA-U1	MSZ-GL15NA-U1	13.00	21.60	11.70
8715785	MUZ-GL18NA-U1	MSZ-GL18NA-U1	13.40	20.50	11.20
8715786	MUZ-GL24NA-U1	MSZ-GL24NA-U1	12.50	20.50	10.00
3837470	SUZ-KA18NA	SEZ-KD18NA	12.50	17.50	10.00
3837467	SUZ-KA12NA	SEZ-KD12NA	12.50	16.00	10.00
3837469	SUZ-KA15NA	SEZ-KD15NA	12.00	15.50	10.00
4415252	SUZ-KA12NA	SLZ-KA12NA	12.00	15.40	9.60
3837466	SUZ-KA09NA	SEZ-KD09NA	12.00	15.00	10.00
4415024	SUZ-KA09NA	SLZ-KA09NA	12.00	15.00	9.60
7505787	MXZ-3C24NA	Non-Ducted Indoor Units	13.60	20.00	9.80
7434482	MXZ-4C36NAHZ	Non-Ducted Indoor Units	14.00	19.10	11.30
7434477	MXZ-5C42NAHZ	Non-Ducted Indoor Units	13.40	19.00	11.00
7451969	MXZ-3C24NAHZ	Non-Ducted Indoor Units	13.50	19.00	10.00
7432927	MXZ-8C48NA	Non-Ducted Indoor Units	12.00	18.90	11.40
7432944	MXZ-8C48NAHZ	Non-Ducted Indoor Units	12.00	18.90	11.00
7451794	MXZ-3C30NAHZ	Non-Ducted Indoor Units	12.50	18.00	11.00
8063926	MXZ-3C24NA	Mixed Ducted and Non-ducted Indoor Units	12.40	18.00	9.50
3577580	MXZ-2B20NA	Non-Ducted Indoor Units	12.00	18.00	8.90
3589025	MXZ-2B20NA	Specific	12.50	18.00	8.90
3885922	MXZ-3B24NA	Non-Ducted Indoor Units	12.00	17.50	9.30
3896180	MXZ-3B24NA	Specific	12.50	17.50	9.30
3949963	MXZ-3B24NA	Specific	12.50	17.50	9.30
7434486	MXZ-4C36NAHZ	Mixed Ducted and Non-ducted Indoor Units	12.65	17.45	10.70
7434481	MXZ-5C42NAHZ	Mixed Ducted and Non-ducted Indoor Units	12.10	17.00	10.55
7451974	MXZ-2C20NAHZ	Non-Ducted Indoor Units	13.50	17.00	9.80
8111731	MXZ-2C20NAHZ	Mixed Ducted and Non-ducted Indoor Units	12.25	16.00	9.65
8111731	MXZ-2C20NAHZ	Mixed Ducted and Non-ducted Indoor Units	12.25	16.00	9.65

Note: List is current as of this printing.



PUT COMFORT ON CRUISE CONTROL



INVERTER

Sophisticated, electronic control systems detect any change in zone temperature and—like a car’s cruise control—automatically adjust the speed of the outdoor unit’s INVERTER-driven compressor for precise capacity and temperature control. Electronic LEVs exactly control refrigerant flow to regulate coil temperature.

MULTIPLE FILTERS FOR CLEANER, HEALTHIER AIR

Our indoor units use a sophisticated multi-part filtration system to reduce contaminants such as allergens, viruses and bacteria from the air. This combination of filters provides a healthier, breathing environment for the home.

1 NANO PLATINUM FILTER:

- Ceramic and platinum nanoparticles are incorporated into the filter material to provide antibacterial and deodorizing characteristics to improve air quality.

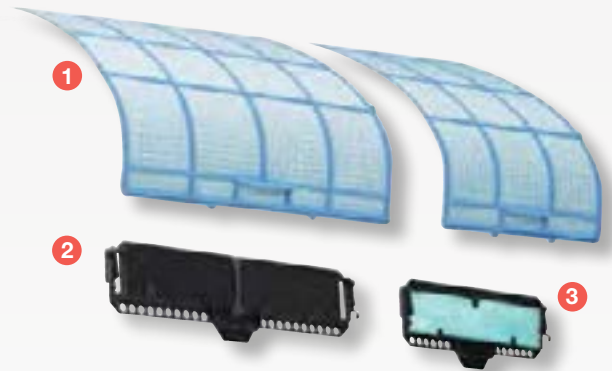


2 DEODORIZING FILTER:

AVAILABLE ON MSZ-FH

Features a ceramic surface absorption element and uses nanotechnology for high-power odor absorption.

- Periodic cleaning, following the recommended procedures, will maintain filter effectiveness.



3 ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER:

AVAILABLE ON MSZ-FH09/12/15NA AND MSY/Z-GE06/09/12/15/18

- Reduces germs, bacteria and viruses.
- Helps trap dust, pollens, mites and other particles.
- Utilizes an enzyme catalyst to help break down the sulfur atom bonds in allergen proteins, transforming them into non-allergen proteins, and, effectively cleaning the air (filter should be cleaned regularly to maintain effectiveness).

HAND-HELD COMFORT CONTROL

Mitsubishi Electric hand-held controllers can adjust temperature, fan speed, and more.



CONTROLLER FEATURES INCLUDE:

- ▶ MODE: HEAT, COOL, AUTO, and DRY.
- ▶ FAN: Adjusts fan speed.
- ▶ STOP/START: A 12-hour ON/OFF timer .
- ▶ ECONO COOL: Energy efficient cooling option.
- ▶ VANE: Sets horizontal vane position.
- ▶ TIME: Power off timer and clock adjustment.
- ▶ SMART SET: Programs multiple settings into one quick-press feature. Programs heating set back.

Included with M-Series wall-mounted and floor-mounted systems.

Optional wall-mounted wireless full functional (MHK1) and wall-mounted wired controllers are available (PAR-32MAA & PAC-YT53CRAU requires MAC-333IF-E interface for MSZ/Y and MFZ indoor units).

Additional features available on certain models:

- "Powerful Mode" function permits system to temporarily run at a lower/higher temperature with an increased fan speed, which quickly brings the room to the optimum comfort level
- Wide Vane setting provides a wider Whorizontal air distribution on select models with wider cabinets

Features are determined by the indoor unit selected. Not all features are on all controllers or indoor units.

KUMO CLOUD™

kumo cloud is a cloud service hosted by Mitsubishi Electric Cooling & Heating to remotely or locally control your Mitsubishi Electric indoor units. This is achievable by installing the wireless Interface (PAC-WHS01WF-E) in each indoor unit. The interface requires a wireless router that has WPS (Wireless Protected Setup) feature as well as Internet access. kumo cloud app can monitor, control, and schedule multiple indoor units in multiple locations across Apple, Android, and Amazon Fire devices.



Specifications and requirements

- Allows Mitsubishi Electric indoor unit to be controlled remotely or locally with the kumo cloud™ app and web service.
- Available in:
 - Apple App Store iOS® 8.0 and newer.
 - Google Play Android™ 4.0 and newer.
 - Amazon Apps 4.1 and newer.
- Web access at kumocloud.com.
- Availability to group units together.
- Organize groups into sites.
- Batch command units.
- Program in events to schedule the units.
- Available in Fahrenheit or Celcius.
- Error and Filter popup.
- Manual setup to add units.
- Must have a wireless router with WPS capability.
- Internet access is required for initial setup and scheduling.
- A Mitsubishi Electric Wireless Interface (PAC-WHS01WF-E) installed by a professional contractor.
- Smart Phone with kumo cloud (app required).

Wireless Interface

Enable remote access and control over your MitsubishiElectric M- & P-Series systems with the Wi-Fi Interface and kumo cloud app. The Wireless Interface is an integral part of the kumo cloud solution, allowing a Mitsubishi Electric indoor unit to communicate with the web-based app and web service. Through a wireless connection over the local network, the Wireless Interface establishes a remote connection with the cloud and provides remote control and management of your system.



MHK1 WIRELESS REMOTE CONTROLLER KIT

Includes Wireless Wall-mounted Remote Controller, Wireless Receiver and Cable. Portable Central Controller and Outside Air Sensor are optional accessories.



Wireless Wall-mounted Remote Controller and Wireless Receiver

- Installs anywhere with simple wall-mounted design.
- Large, backlit, easy-to-read display.
- Dual set-point control with system changeover.
- Both controller and receiver enabled with RedLINK™ reliability.

The basic MHK1 Wireless Remote Controller Kit includes a Wireless Wall-mounted Remote Controller and a Wireless Receiver located with the indoor wall- or ceiling-mounted unit. You may choose to enhance your control convenience and flexibility with an optional Portable Central Controller, Outside Air Sensor and the new RedLINK™ Internet Gateway.

MHK1 FEATURES

FUNCTION	DESCRIPTION
ON/OFF	On/Off operation for a single indoor unit
Operation Mode	Cool / Drying / Auto / Heat / Fan operation modes dependent on connected system
Temperature Setting	Set temperature from 40° F - 99° F depending on operation mode and connected system
System Changeover Deadband Value	2° F - 8° F
Schedule Operation	5-2, 5-1-1
Optimal Start	Eliminates the guesswork when setting your schedule. Allows the remote controller to “learn” how long your split-zoning system takes to reach programmed temperature setting, so the temperature is reached at the time you set
Fan Speed Setting	Hi/Mid-2/Mid-1/Low/Auto Available fan speed settings dependent on connected system
Airflow Direction Setting	Airflow angles: 100° - 80° - 60° - 40° and oscillate available airflow direction settings dependent on connected system
Permit/Prohibit Function	Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature and Operation Mode)
Space Temperature	Displays the measured space temperature
Error Indication	Displays error code
Display Outside Temperature and Humidity	Requires optional MOS1 Outside Air Sensor
Dimensions - (W x D x H)	Remote Controller: 5-3/16" x 1-1/2" x 3-9/16" Receiver: 3-1/4" x 1-5/16" x 6-7/16"
Operating Ambient Temperature	Remote Controller: 32° F – 120° F Receiver: -40° F – 165° F
Operating Ambient Humidity	Remote Controller: 5% - 90% RH (non-condensing) Receiver: 5% - 90% RH (non-condensing)
Power Supply	2 AA batteries (included)

Note: MHK1 Compatible with current INVERTER-driven M-Series as noted in data charts.

Optional MCCH1 Portable Central Controller

- Control up to 16 RedLINK™ devices.
- Requires MHK1 per indoor unit.
- Monitor and control On/Off, Mode and Set Temperature.
- Schedule override capability.
- Does not interfere with other wireless devices.
- Displays outside air temperature and humidity when used with MOS1 Outside Air Sensor.



Optional MOS1 Outside Air Sensor

- Monitors outside air temperature and humidity.
- Displays on MHK1 Remote Controller and MCCH1 Portable Central Controller.



OPTIONAL PAC-US444CN-1 THERMOSTAT INTERFACE



Our Thermostat Interface allows HVAC thermostats or input/output controllers to control Mitsubishi Electric Cooling & Heating indoor units through our CN105 connector. Any indoor unit that can be controlled by an MHK1 can now be controlled by a third party HVAC thermostat or input/output controller.

This allows Mitsubishi Electric systems to take advantage of the capabilities of third party thermostats including but not limited to: geo fencing, automatic scheduling, humidity control, weather forecasting and more.

Our patent-pending algorithm allows the outdoor unit's INVERTER-driven compressor to vary its capacity for greater energy savings. The preferred system setup is to use a conventional system control with two stages of cooling and heating (W1, W2, Y1, and Y2) to provide personal comfort and energy savings. The interface can also be setup to accept only one stage of cooling and heating (W1 and Y1).

The Mitsubishi Electric Thermostat Interface also allows for fan speed control. Third party thermostats or input/output controllers can control the indoor unit's fan speed to three different levels: high, medium, and low.

Specifications

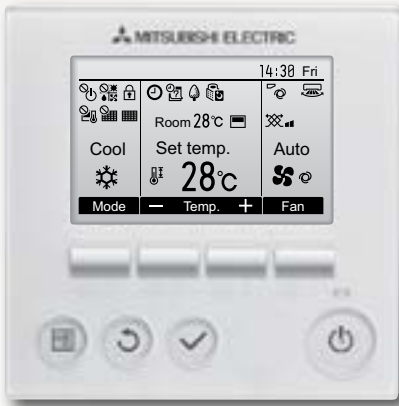
- Allows an HVAC Thermostat or I/O Controller to control a Mitsubishi Electric Cooling & Heating [M-Series or P-Series] indoor unit.
- One Thermostat Interface required per indoor unit.
- Indoor unit modes available: Cool, Heat, Fan, and Off.
- Provides 3 input terminals to control fan speed control: High, Medium, and Low.
- No addressing required.
- Connection: CN105 – Active IT Terminal.
- Dimensions: (H x W x D) 3.96 in x 3.17 in x 0.93 in.
- Thermostats Tested:
 - Nest®
 - Honeywell® Lyric™
 - INNCOM® by Honeywell® with High and Low fan speed control.
- Terminal Block: 20-30 VAC Rated.
- Required: Active CN105 on Mitsubishi Electric indoor unit control board.
- Required: HVAC Thermostat or I/O Controller (field supplied).
- Required: 24VAC transformer needed (field supplied).

Advanced Features

- Delayed off adjustable setting.
- Static pressure adjustable setting.
- CN24 operation during defrost.
- Fan speed during thermal off heating mode.
- Two-stage heat and cool thermostat operation.
- Conventional 2H/2C system operation (preferred).
- Conventional 1H/1C system operation.
- Auto recovery after power failure.
- Thermostat detects room temperature.
- Transformer (VPL24-210).



PAR-32MAA BACKLIT MA REMOTE CONTROLLER



- Room Temperature: Displays room temperature sensed either at the indoor unit (default) or at the remote controller.
- Set Temperature Range Limit: From the Backlit MA Controller, the allowable set temperature range can be reduced for cool and heat modes.
- Function Lock Out: Prohibits all functions or all functions except On/Off from the backlit MA controller.
- Wiring: connects using two-wire, stranded, non-polar control wire to indoor unit connection terminal or control adapter (MAC-333IF for M-Series) requires crossover wiring for indoor unit grouping.
- Dimensions: 4-3/4 x 3/4 x 4-3/4" (120 x 19 x 120 mm).
- Requires MAC-333IF-E to use with M-Series.
- Setting screen for 3D i-see sensor, draft reduction mode.



PAC-YT53CRAU SIMPLE MA CONTROLLER



Controls group operation for up to 16 indoor units in a single group

- Set temperature range limit: Simple MA allowable set temperature range can be reduced for cool and heat modes.
- Room temperature can be sensed either at the indoor unit (default) or at the remote controller.
- Grouping: Same group use only with other PAC-YT53CRAU Simple MA Controllers, PAR-32MAA Backlit MA Remote Controller, and PAR-FL/A32MA Wireless MA Remote Controllers with up to two remote controllers per group.
- Wiring: Uses two-wire, stranded, non-polar control wire for connecting TB15 connection terminal on the indoor unit. Requires crossover wiring for grouping across indoor units.
- Dimensions: 2-3/4 x 9/16 x 4-3/4" (70 x 14.5 x 120mm).
- Requires MAC-333IF-E to use with M-Series.

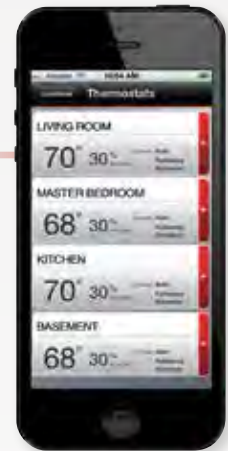
MAC-333IF-E SYSTEM CONTROL INTERFACE



- Allows M-Series indoor units to communicate with the CITY MULTI Controls Network via M-Net.
- Provides an input to allow remote On/Off control of indoor unit (3-Wire plug adapter included).
- Allows the M-Series indoor units to connect to MHK1 Wall-Mounted Wireless Remote Controller when using other MAC-333IF-E functions. (Note: External 12VDC power supply is required when adding the MHK1 to the MAC-333IF-E).
- Allows the M-Series indoor units to connect to a MA remote controller.
- Power: 12V DC (supplied from indoor unit).
- Indoor unit connecting cable: Dedicated 5-wire cable included.

OPTIONAL REDLINK INTERNET GATEWAY (AVAILABLE THROUGH SELECT DISTRIBUTORS)

- Connects any RedLINK Comfort System to the Internet to provide remote access from PC, smartphone or tablet.
- No monthly fee, free app download.
- Remotely monitor and control your cooling and heating system, at any time, from any place.
- View/change system settings and access multiple systems/zones.
- Provides over 90° temperature/comfort alerts through a dedicated website.
- Upgrades automatically as new features become available.



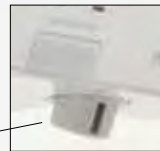
▼ DETECT AND CONTROL TEMPERATURE FLUCTUATIONS

All M-Series systems detect room temperature fluctuations and automatically adjust performance for ultimate comfort in any room.

- ▶ All indoor models feature a return air sensor that constantly monitors and maintains room temperature.
- ▶ Continuous fan operation ensures temperature consistency.
- ▶ Systems with and i-see Sensor™ 3D scan the room looking for humans with a particular heat signature. The i-see feature senses floor temperature and delivers conditioned air to those areas by double-vane airflow. (MSZ-FH09/12/15NA models).
- ▶ Auto changeover feature automatically switches between cooling and heating modes as needed to maintain a consistent temperature—just set it and forget it (MUZ and SUZ outdoor units).
- ▶ Seven horizontal airflow directions provide 150° of lateral airflow for greater conditioned air circulation (wide vane or swing mode, available on the MSZ-FH09/12/15, MSZ/Y-GE24 and MSZ/Y-D30/36NA).



**i-see Sensor™
3D**



Detects human locations and temperature variations and controls the airflow for ultimate comfort

This amazing technology constantly monitors and adjusts temperatures for maximum comfort and efficiency.

- Measures infrared radiation generated from surrounding walls and surface angles
- Efficiently adjusts temperatures to ideal comfort levels for occupants

INSTALLATION BEST PRACTICES

Look for opportunities to use Mitsubishi Electric systems on every job!

Single and Multi-zone systems for Hot and Cold Spots, Living Rooms, Bedrooms, Kitchens, Allergy Problems, Renovations, Energy Savings Opportunities, Media Rooms, Basements, Combination with Traditional System, Whole Floor, Whole Home, New Homes...and more!

Properly installed systems heat and cool homes for a fraction of the cost of traditional systems. By following installation best practices and providing homeowner education, you will help to insure customer satisfaction, and increase referrals and sales. Visit a Mitsubishi Electric 2-day training course for more information. Ask your Mitsubishi Electric distributor for details.

Outdoor Unit (Compressor)

- Set the unit on a stable, level surface.
- Use adjustment risers to prevent debris and snow build-up and allow better drainage.
- Secure outdoor units to the pad, risers and/or surface using bolts and/or adhesives.

Line Set Insulation and Protection

- Insulation must cover entire line set length to avoid condensation and decreased efficiency.
- Once insulated, protect the outdoor portion of the line set with Line Hide to avoid premature insulation damage.
- Add UV tape as needed on areas without Line Hide to ensure entire length is protected.

Refrigerant Charge

- Adjust refrigerant charge ONLY IF NECESSARY; most installations do not require adjustments.
- Gauges are not needed to verify refrigerant levels. Only if adjustments are necessary, be sure to use a scale when adding/removing refrigerant.

Condensate Drain

- Must slope downhill and can be routed with line set and run to a suitable termination point, away from crawl spaces and walkways.

Cold Climate Recommendations

- Use a pan heater to avoid defrost discharge freezing inside the compressor.
- Increase clearance under the outdoor unit to promote easy drainage and reduce snow and ice buildup.
- Consider wall-mount brackets to maximize outdoor unit clearance.

Tools

- Ratchet Flaring Tool
- Programmable Refrigerant Charging Scale
- Torque Wrench
- R410A Gauge and Hose Set

Installation Tips for Maximum Efficiency—Indoors

- For homes with electric furnaces, consider shutting off the furnace at the breaker or set back the furnace thermostat so that it does not compete with the Mitsubishi Electric system.
- For homes with zonal electric heat, consider shutting off the heaters at the breaker or set back the zonal heater thermostats so they do not compete with the Mitsubishi Electric system.
- For temperature set back, set programmable thermostat to HEAT with the fan in ON position for air distribution and setting the temperature 4° F below the Mitsubishi Electric system.



Homeowner Education

Educate homeowners about their Mitsubishi Electric system to reduce callbacks and generate referrals:

- Use the Mitsubishi Electric system as the primary heating and cooling system to maximize benefits, maintain comfort and ensure that the unit performs most efficiently.
- Secondary heating and cooling systems should remain off until your comfort is compromised. If your comfort is compromised, supplement with your secondary system until your comfort requirements are met.
- In extremely cold weather, you can temporarily:
 - » Increase the temperature setting of the Mitsubishi Electric system.
 - » Increase the fan speed.
 - » Close doors to unoccupied portions of the house; and/or
 - » Increase the thermostat setting on secondary heating systems as needed.
- Cleaning the filters several times a year optimizes the performance of the Mitsubishi Electric system. Monthly cleaning is ideal for systems that are used regularly.

For technical information including submittals, parts, installation, service and more please visit www.mylinkdrive.com



MULTI-ZONE PRODUCTS



M-SERIES MULTI-ZONE PRODUCTS AND FEATURES

Total zone control: individually controlled rooms (up to 8) with a single outdoor system.

With the MXZ-C multi-zone standard and H2i® systems your customers can enjoy ideal levels of comfort in the rooms you use most while reducing their energy costs. Each zone operates independently. People in different rooms –like the kitchen, master bedroom or living room – can set temperatures for personalized comfort.

MXZ-2C20
MXZ-3C24
MXZ-3C30
MXZ-4C36
MXZ-5C42
MXZ-8C48



THE MULTI-ZONE SYSTEM FEATURES INCLUDE:

- Mix and match flexibility of indoor unit styles and combinations.
- A wide range of indoor unit capacities that match the room size and requirements.
- Flexible options to tackle the most challenging multi-room installations.
- High efficiency, multiple ENERGY STAR® combinations.
- Hyper-Heating INVERTER® models available for colder climate applications.
- Simple, quick, and cost-effective installation.
- Four-ton outdoor unit can support up to eight indoor units using branch boxes.
- Advanced microprocessor control.
- Auto restart following a power outage.
- Self-check function offering integrated diagnostics.
- Wired and wireless control options.

WALL-MOUNTED INDOOR UNITS FOR MULTI-ZONE SYSTEMS

Cooling and Heating

Slim, wall-mounted units provide enhanced, industry-leading performance for the single-zone ductless product category.



MSZ-GL Heat Pumps | 06, 09, 12, 15, 18, 24

- Washable long life filters.
- Auto restart and auto cooling/heating changeover.
- Vertical air swing on all units.
 - Horizontal swing on GL18 and GL24 only
 - Wide airflow on GL24 only.
- Wireless hand-held controller.
- 24 hour timer.
- Multiple fan speeds: 5 speeds (GL06 - GL18) and 4 speeds (GL24 only).
- All models ENERGY STAR® qualified.
- Compatible with kumo cloud™ control app and Thermostat Interface.

WALL-MOUNTED INDOOR UNITS FOR MULTI-ZONE SYSTEMS (CONT'D)



MSZ-FH High Efficiency Heat Pumps | 06, 09, 12, 15, 18

- Industry-leading efficiency of 33.1 SEER (MSZ-FH06NA) and 30.5 SEER (MSZ-FH09NA).
- Hyper-heating performance down to -13° F outdoor ambient. (use the degree symbol)
- 100% heating capacity at 5° F outdoor ambient. (use degree symbol)
- Triple-action filtration including anti-allergen enzyme filter.
- Double-vane air delivery for enhanced circulation.
- i-see Sensor™ (superscript the TM) 3D senses human heat signatures.
- NEW multi-function wireless controller.
- Optional Thermostat Interface (PAC-US444CN-1) to allow for operation with third-party thermostats.
- Compatible with Mitsubishi Electric kumo cloud™ programmable thermostat app (PAC-WHS01WF-E).

FLOOR-MOUNTED INDOOR UNITS FOR MULTI-ZONE SYSTEMS

Floor-mounted indoor unit mounts on the floor or up to 5" above floor and has front panel access to the filter for ease of cleaning. It is perfect for difficult areas that may be smaller or don't have usable space on the walls.

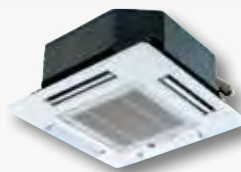


MFZ Heat Pumps | 09, 12, 18

- Top and bottom discharge vanes.
- Hot-start technology.
- Quiet operation.
- Wireless remote control with smart set feature.

CEILING-RECESSED INDOOR UNITS FOR MULTI-ZONE SYSTEMS

SLZ 2'x2' ceiling-recessed cassette units offer a wide airflow pattern for better air distribution in a less obtrusive style. Install SLZ in a hard ceiling (with an access panel for servicing) or in 2'x2' drop ceiling.



SLZ Heat Pumps | 09, 12, 15

- Ventilation air knockouts.
- Built-in condensate lift mechanism (up to 20").
- Multiple airflow settings.

HORIZONTAL-DUCTED HEAT PUMPS FOR MULTI-ZONE SYSTEMS

SEZ ducted units provide comfort and efficiency while staying hidden either in the ceiling or beneath the floor.



SEZ Heat Pumps | 09, 12, 15, 18

- Built-in condensate lift mechanism (up to 21-11-16").
- Static capability up to 0.20" WG.
- Optional filter box with MERV-8 filters.

Note: Select PLA, PCA, PEAD models are also compatible with select multi-zone MXZ-C systems. For full MXZ-C combinations list, visit www.mitsubishipro.com/multizone

MULTI-ZONE SYSTEM POSSIBILITIES

For a complete list of the MXZ-C Series approved combinations, visit www.mitsubishipro.com/multizone

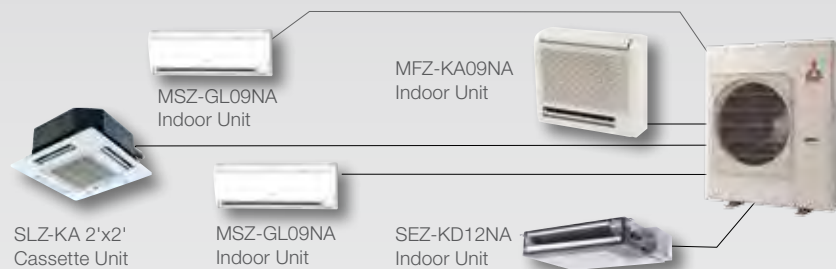


MVZ-A12AA4
MVZ-A18AA4
MVZ-A24AA4
MVZ-A30AA4
MVZ-A36AA4

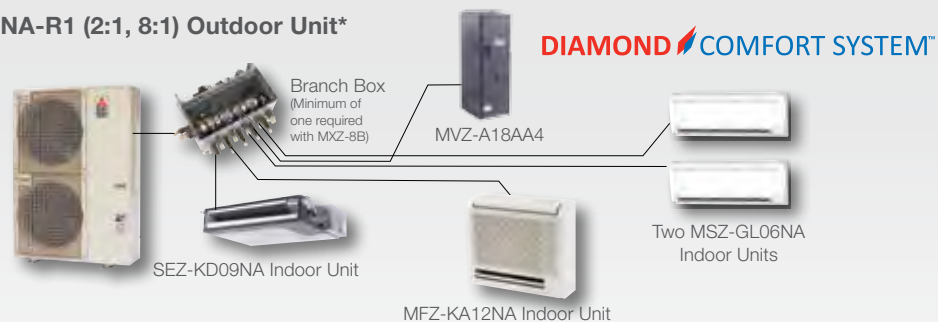
MULTI-POSITION DUCTED UNIT FOR MULTI-ZONE SYSTEMS

- Performance: One inch foam R4.2, fiberglass free insulation reduces condensation and boosts efficiency.
- Quality: durable, powder coated cabinet.
- Serviceability: easily removable fan provides access for coil cleaning.
- Flexibility: true multi-position, requiring no additional kits for downflow configuration.
- Installation: quality construction with disassembly in mind to make fitting through tight access points simple.
- Comfort: DC motor ensures quiet and efficient operation year round.
- Low Impact: Fully RoHS compliant to reduce carbon footprint.
- Air Quality: Positively pressurized cabinet and tested air leakage less than 1%.

MXZ-5C42NA (2:1, 3:1, 4:1, 5:1) Outdoor Unit*



MXZ-8C48NA-R1 (2:1, 8:1) Outdoor Unit*



*Illustration purposes only.

Minimum of two Indoor Units must be connected to all MXZ-C Outdoor Units. Minimum installed capacity cannot be less than 12,000 Btu/h.

MULTI-ZONE SYSTEM POSSIBILITIES



For a complete list of the MXZ-C Series approved combinations, visit www.mitsubishipro.com/multizone

MXZ AND INDOOR UNIT COMPATIBILITY CHART

	MULTI-ZONE OUTDOOR UNIT	BRANCH BOX	INDOOR UNIT								
			MVZ	MSZ-GL	MFZ-KA	MSZ-FH	SEZ-KD	SLZ	PCA	PLA	PEAD
HYPER-HEATING EQUIPMENT	MXZ-2C20NAHZ	—	12 ✓	6,9,12,15 ✓ 18, 24 ✗	9,12 ✓ 18 ✗	6,9,12,15 ✓ 18 ✗	9,12,15 ✓ 18 ✗	9,12 ✓ 15 ✗	✗	✗	✗
			12,18 ✓ 24,30,36 ✗	6,9,12,15,18 ✓ 24	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✗	18 ✓ 12,24,30,36,42 ✗	✗
	MXZ-3C24NAHZ	—	12,18,24 ✓ 30,36 ✗	6,9,12,15,18 ✓ 24 ✗	✓ ✓	✓ ✓	✓ ✓	✓ ✓	24 ✓ 30,36,42 ✗	18,24 ✓ 12,30,36 ✗	24 ✓
			✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
	MXZ-5C42NAHZ	✓	✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
	MXZ-8C48NAHZ	✓	✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
STANDARD EQUIPMENT	MXZ-2B20NA-1	—	✗	6,9,12,15 ✓ 18, 24 ✗	9,12 ✓ 18 ✗	✗	9,12,15 ✓ 18 ✗	9,12 ✓ 15 ✗	✗	✗	✗
			12,18 ✓ 24,30,36 ✗	6,9,12,15,18 ✓ 24 ✗	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✗	18 ✓ 12,24,30,36,42 ✗	✗
	MXZ-3C24NA	—	12,18,24 ✓ 30,36 ✗	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	24 ✓ 30,36,42 ✗	18,24 ✓ 12,30,36,42 ✗	24 ✓ 30,36,42 ✗
			✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
	MXZ-5C42NA	✓	✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
	MXZ-8C48NA	✓	✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗
			✓	✓	✓	✓	✓	✓	✗	12,18,24,30,36 ✓ 42 ✗	24,30,36 ✓ 42 ✗

Information is current as of this printing. Minimum installed capacity cannot be less than 12,000 Btu/h. PLA-A12BA can NOT be connected with MXZ-C models only. MVZ is compatible with MXZ-C models only and only 1 MVZ maybe used on any system. When an MVZ is connected, total connected capacity must be 100% or less, and no P-Series indoor units can be used (PCA, PLA, or PEAD).

SINGLE-ZONE PRODUCTS

M-SERIES SINGLE-ZONE PRODUCTS AND FEATURES

Total control for total comfort: single rooms can now have ultimate comfort with the power of precise control over hot and cold spots.



SINGLE-ZONE, WALL-MOUNTED HEAT PUMPS *Cooling and Heating*

Slim, wall-mounted indoor units provide zone comfort control. INVERTER-driven compressors and electronic LEVs provide higher efficiency with controlled power usage. The indoor unit is powered by the outdoor unit and should a power outage occur, the system is automatically restored when power returns.

MSZ/MUZ-GL/D Heat Pumps | 1,500 - 33,200 Btu/h Capacity Range

- 100% heating at 5°F.
- 14.5 - 24.6 SEER, 8.2 - 12.8 HSPF, INVERTER-driven compressor.
- Auto restart and auto cooling/heating changeover.
- Vertical air swing on all units
- Compatible with kumo cloud™ control app and Thermostat Interface.
- All models ENERGY STAR® qualified.

MSZ/MUZ-FH High Efficiency Heat Pumps | 1,700 - 21,000 Btu/h Capacity Range

- Industry-leading efficiency of 33.1 SEER (MSZ-FH06NA and 30.5 SEER (MSZ-FH09NA).
 - i-see sensing floor temperature to deliver conditioned air to those areas by double-vane airflow.
- Hyper-heating performance down to -13° F outdoor ambient.
- NEW multi-function wireless controller.
- Triple-action filtration.
 - Nano-platinum filter.
 - Electrostatic anti-allergen enzyme filter.
 - Deodorizing filter.
- Optional controllers.
 - Connects with Thermostat Interface (PAC-US444CN-1) to allow for operation with third-party thermostats.
 - Compatible with Mitsubishi Electric kumo cloud™ programmable thermostat app (PAC-WHS01WF-E).
 - MHK1 wireless wall-mounted controller (compatible with Honeywell Remote Internet Gateway for iPhone, Android, smart device control via the internet).
 - Wired wall-mounted controller (PAR-31MAA requires MAC-333IF).
 - Simple MA remote controller (PAC-YT53CRAU requires MAC-333IF).
- Double-vane air delivery for enhanced circulation.
 - Option to set each vane separately.
 - Indirect or direct setting option.
 - Natural flow setting that creates air movement like a natural breeze.
- i-see Sensor™ 3D.
 - Infrared human sensing technologies to measure location of human heat signatures.

Cooling Only

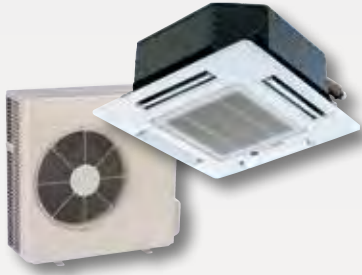


MSY/MUY Air Conditioners | 1,500-34,600 Btu/h Capacity Range

- 15.1 – 24.6 SEER, INVERTER compressor.
- Offers a wide vane for a wider angle of airflow, 150° from left to right.
- Motorized vertical vanes on GL24/D30/D36 models.
- All GL models ENERGY STAR® qualified.

M-Series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

SINGLE-ZONE PRODUCTS (CONTINUED)

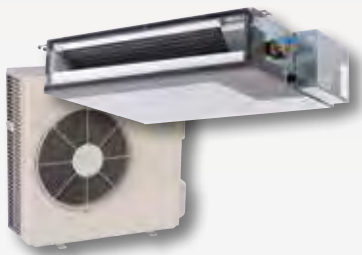


SINGLE-ZONE, CEILING-RECESSED, CASSETTE HEAT PUMPS *Cooling and Heating*

SLZ 2'x2' ceiling-recessed cassette units offer a wide airflow pattern for better air distribution in a less obtrusive style. Install SLZ in a hard ceiling (with an access panel for servicing) or in 2'x2' drop ceiling.

SLZ/SUZ Heat Pumps | 3,100–17,700 Btu/h Capacity Range

- 15–16 SEER, 9.6 HSPF, INVERTER-driven compressor.
- Provides cooling and heating in a wide range of capacities.
- SLZ/SUZ-KA09/12 1:1 systems are ENERGY STAR® rated.
- Ventilation air knockouts.
- Built-in condensate lift mechanism (up to 20").
- Multiple airflow adjustments.



SINGLE-ZONE, HORIZONTAL-DUCTED HEAT PUMPS *Cooling and Heating*

SEZ ducted units provide comfort and efficiency while staying hidden either in the ceiling or beneath the floor. All 1:1 systems are ENERGY STAR® certified.

SEZ/SUZ Heat Pumps | 3,800–19,000 Btu/h Capacity Range

- 15–17.5 SEER, 10 HSPF, INVERTER-driven compressor.
- Provides cooling and heating in a wide range of capacities.
- Built-in condensate lift mechanism (up to 21-11/16").
- Static capability up to 0.20" WG.
- Optional filter box with MERV-8 filters.

M-SERIES ACCESSORIES

CN-24RELAY-KIT-CM3 RELAY KIT



The CN-24RELAY-KIT-CM3 connects to the CN24 connector on the P-Series, SEZ and SLZ indoor unit control board to enable external supplemental heating equipment. The CN-24RELAY-KIT-CM3 also connects to the MAC-333IF-E System Control Interface to provide the same function for M-Series indoor units.

- Coil Voltage: 12V DC.
- Power Consumption: 0.9 W or less.
- Maximum Distance from indoor unit to relay: 32' (10m).
- Wire Size: 18 to 22 AWG.

BASE PAN HEATERS

Base Pan Heaters limit ice build-up by preventing freezing before water drains from the base pan. The heater installs in the bottom of the Base Pan and connects to the Indoor Control Board on FE and GE models.

- For installations where outdoor ambient temperatures are expected to be below freezing for periods longer than 72 hours straight.
- Heater is energized when unit is in defrost.
- E12913527 for A models requires change of power board—included—to operator heater.



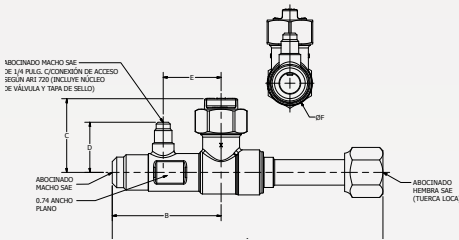
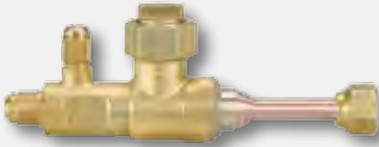
DPLS2 DIAMONDBACK™ DRAIN PAN LEVEL SENSOR/CONTROL



A condensate sensor designed to fit the Mitsubishi Electric M-Series, P-Series and almost all of CITY MULTI® indoor unit drain pans. DPLS2 shuts down the indoor unit when high condensate levels are detected in the drain pan.

- Meets the intent of International Mechanical Code “allowed exception to the secondary drain pan requirement”.
- All solid state—no floats or other moving parts—draws power from indoor unit.
- Compact size with no additional energy consumption.
- Includes harnesses for M-Series, P-Series and CITY MULTI indoor units.
- Does not disrupt communications between the outdoor unit, compressor, and indoor unit.

BALL VALVES



DIAMONDBACK™ BV-SERIES BALL VALVES

Diamondback BV-Series ball valves include the following features:

- Engineered for mini-split and multi-split HVAC units.
- Full port design with flare connections.
- 700 PSIG rated.
- Flare or brazed connections.

Other important information:

- Size available: 1/4", 3/8", 1/2", 5/8".
- Fully factory assembled.
- Furnace brazed and pressure tested.
- Each ball valve is equipped with Schrader® Valve for refrigerant service.
- Temperature range: -40° F to +325° F (-40° C to +149° C).
- Forged brass body and seal cap.
- Polytetrafluoroethylene (PTFE) seals and gaskets (no synthetic O-rings).
- Seal cap design permits valve operation without removal of seal cap.
- One-year limited materials and workmanship warranty on ball valves.

Part Number	SAE Flare	A	B	C	D	E	F
BV14FFSI2	1/4"	6.26	2.67	1.81	1.23	1.42	1.10
BV38FFSI2	3/8"	6.30	2.67	1.81	1.23	1.42	1.10
BV12FFSI2	1/2"	6.51	2.67	1.81	1.23	1.42	1.10
BV58FFSI2	5/8"	6.64	2.67	1.81	1.23	1.42	1.10

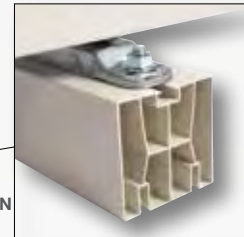
* Ball valves come with an insulation piece.

PLATFORM STANDS

DIAMONDBACK PLATFORM STANDS

Lift the outdoor unit to new heights.

- Easy to install.
- Available for all sizes of mini-split or multi-split systems.
- Color matched to the outdoor units.
- One-year warranty.



Model DSD-400N

L: 15 3/4"

W: 3 1/4"

H: 3 1/4"

FILTER BOXES

FILTER BOXES

FB Series filter boxes are available in compatible sizes for all M-Series horizontal ducted indoor units. FBL1 filter boxes include 1" thick pleated MERV 8 filter(s) installed. Filters are tested in accordance with ANSI/ASHRAE Standard 52.2 and Rated Class 2 under U.L. Standard 900.

The cabinet is constructed of non-insulated 20 gauge, G-60 galvanized steel with a foam gasket and provides an air-tight connection to the indoor unit and access door. Gasket material complies with UL 723 requirements. In addition, a screw-through cabinet design for secure attachment to indoor unit and return connection in rear is easily converted to bottom return.



Part Number	Part Description
FBL1-1	FB Series Filter Box for SEZ-KD09NA4
FBL1-2	FB Series Filter Box for SEZ-KD12/15NA4
FBL1-3	FB Series Filter Box for SEZ-KD18NA4

LINESETS

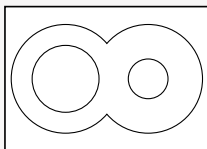


Caps On

DIAMONDBACK LINESETS

Diamondback linesets include the following features:

- Quick, efficient, and economical field installation using factory applied Twin Lube insulation and flare connections with flare nuts mounted.
- Correct lengths for reducing waste and time.
- Quality, consistency, and economy.
- All Diamondback lineset tubing is tested in accordance with ASTM E243.
- One year warranty.



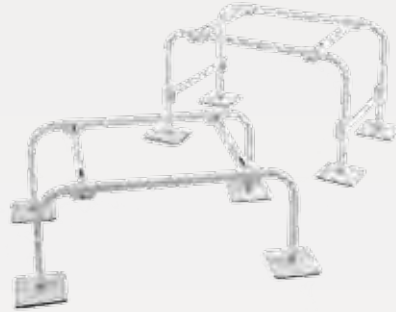
“TWIN-TUBE” LINESET INSULATION DESIGN

- Balanced outside diameter for uniform coil/uncoil position stability.
- Minimum 1/2" insulation thickness on both tubes.
- Meets UL94 and ASTM E84 Standard.

Lineset Part Number	Applied Models	Tube Size (IN.)	Length (FT.)	Insul.
MLS143812T-15	MSZ-GL06 MSZ/Y-GL09/12, MSZ-FH09/12, SEZ-KD09/12, MFZ-KA09/12	1/4 x 3/8	15	1/2"
MLS143812T-30	MSZ-GL06, MSZ/Y-GL09/12, MSZ-FH09/12, SEZ-KD09/12, MFZ-KA09/13	1/4 x 3/8	30	1/2"
MLS143812T-50	MSZ-GL06, MSZ/Y-GL09/12, MSZ-FH09/12, SEZ-KD09/12, MFZ-KA09/14	1/4 x 3/8	50	1/2"
MLS143812T-65	MSZ-GL06, MSZ/Y-GL09/12, MSZ-FH09/12, SEZ-KD09/12, MFZ-KA09/15	1/4 x 3/8	65	1/2"
MLS141212T-15	MSZ/Y-GL15/18, MFZ-KA18, SEZ-KD15/18, SLZ-KA15	1/4 x 1/2	15	1/2"
MLS141212T-30	MSZ/Y-GL15/18, MFZ-KA18, SEZ-KD15/18, SLZ-KA15	1/4 x 1/2	30	1/2"
MLS141212T-50	MSZ/Y-GL15/18, MFZ-KA18, SEZ-KD15/18, SLZ-KA15	1/4 x 1/2	50	1/2"
MLS141212T-65	MSZ/Y-GL15/18, MFZ-KA18, SEZ-KD15/18, SLZ-KA15	1/4 x 1/2	65	1/2"
MLS141212T-100	MSZ/Y-GL15/18, MFZ-KA18, SEZ-KD15/18, SLZ-KA15	1/4 x 1/2	100	1/2"
MPLS385812T-10	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	10	1/2"
MPLS385812T-15	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	15	1/2"
MPLS385812T-30	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	30	1/2"
MPLS385812T-50	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	50	1/2"
MPLS385812T-65	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	65	1/2"
MPLS385812T-100	MSZ-FH18, MSZ/Y-GL24, MSZ/Y-D30/36	3/8 x 5/8	100	1/2"

QUICKSLING STANDS

Strong and reliable, Mini-split Stands are the mount of choice for all M-Series outdoor units. Quick and easy to assemble, Mini-split Stands are manufactured with heavy gauge, high-grade steel featuring a color-matched thermally fused polyester powder coat finish that meets ASTM D3451-06 standards. Each Mini-split Stand is provided with galvanized mounting hardware and meets all ASCE 7 overturning safety requirements, leading to a long service life. Designed and manufactured in the United States, Mini-split Stands set the standard for pre-engineered M-Series outdoor unit mounting systems.



M-Series Mini-split Stands						
P-Series Outdoor Units	QSMS1201M	QSMS1202M	QSMS1801M	QSMS1802M	QSMS2401M	QSMS2402M
MUY/Z-D30NA-1	X		X		X	
MUY/Z-D36NA-1	X		X		X	
MUZ-FH06NA						
MUZ-FH09NA-1	X		X		X	
MUZ-FH12NA-1	X		X		X	
MUZ-FH15NA	X		X		X	
MUZ-FH18NA2	X		X		X	
MUY/Z-GL06NA-U1	X		X		X	
MUY/Z-GL09NA-U8	X		X		X	
MUY/Z-GL12NA-U1	X		X		X	
MUY/Z-GL15NA-U1	X		X		X	
MUY/Z-GL18NA-U1	X		X		X	
MUY/Z-GL24NA-U1	X		X		X	
SUZ-KA09NA	X		X		X	
SUZ-KA12NA	X		X		X	
SUZ-KA15NA	X		X		X	
SUZ-KA18NA	X		X		X	
MXZ-3C24NA	X		X		X	
MXZ-3C30NA	X		X		X	
MXZ-4C36NA	X		X		X	
MXZ-5C42NA	X		X		X	
MXZ-8C48NA		X		X		X
MXZ-2C20NAHZ	X		X		X	
MXZ-3C24NAHZ	X		X		X	
MXZ-3C30NAHZ	X		X		X	
MXZ-4C36NAHZ		X		X		X
MXZ-5C42NAHZ		X		X		X
MXZ-8C48NAHZ		X		X		X

M-SERIES ACCESSORIES

PART NUMBER	DESCRIPTION	FOR USE WITH
AIR OUTLET GUIDE		
MAC-856SG-E	Outdoor air outlet guide for directing discharge air away from other outdoor unit	SUZ-KA18 outdoor units
MAC-886SG-E	Outdoor air outlet guide for directing discharge air away from other outdoor unit	MUZ/Y-FH15/18, MUZ/Y-GL18/24/, SUZ-KA18 outdoor units
MAC-889SG	Outdoor air outlet guide for directing discharge air away from other outdoor unit	MUZ/Y-GL09/12/15, MUZ-FH06/09/12, SUZ-KA09/12/15 outdoor units
MAC-891DS	Outdoor air outlet guide for directing discharge air away from other outdoor unit	MXZ-2B20 outdoor units
PAC-SH95AG-E	Air Protection Guide	All MXZ-8C and MXZ H2i 4C,5C outdoor units
PAC-SH96SG-E	Outdoor air outlet guide for directing discharge air away from other outdoor unit	All MXZ outdoor models
BALL VALVES		
BV12FFSI2	Refrigeration Ball Valve-Flare/Schrader/Insulated - 1/2" size	All MXZ outdoor models and branch boxes
BV14FFSI2	Refrigeration Ball Valve-Flare/Schrader/Insulated - 1/4" size	All MXZ outdoor models and branch boxes
BV38FFSI2	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" size	All MXZ outdoor models and branch boxes
BV58FFSI2	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" size	All MXZ outdoor models and branch boxes
BOTTOM RETURN PLATE		
BRP-1	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	SEZ-KD09 indoor unit
BRP-2	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	SEZ-KD12/15 indoor units
BRP-3	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)	SEZ-KD18 indoor unit
Branch Box		
PAC-MKA30BC	Three Port Branch Box	MXZ Systems with two Branch Boxes
PAC-MKA50BC	Five Port Branch Box	MXZ Systems with two Branch Boxes
MSDD-50BR-E	Brazed Connections for connecting two branch boxes	MXZ-8C outdoor units
MSDD-50AR-E	Flared Connections for connecting two branch boxes	MXZ-8C outdoor units
CONDENSATE		
C13-103	Blue Diamond Sensor Extension Cable - 15 FT.	MaxiBlue and Mega Blue Blue Diamond Pumps
C13-192	Blue Diamond Alarm Sxtension Cable - 6.5 FT.	MaxiBlue and Mega Blue Blue Diamond Pumps
C21-014	Blue Diamond MultiTank - collection tank for use with multiple pumps	All Blue Diamond Pumps
F10-010	Blue Diamond Rubber Foot Pads	MaxiBlue and Mega Blue Blue Diamond Pumps
DPLS2	Drain Pan Level Sensor/Control for indoor unit shut off to prevent Drain Pan Overflow	All M-Series indoor units
SI30-115	Mini-Condensation pump - 115 volt application	All MSZ/Y, MFZ indoor units
SI30-230	Mini-Condensation pump - 230 volt application	All MSZ/Y, MFZ indoor units
X87-721	Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor - 208/230 volt application	All M-Series Indoor Units up to 30,000 BTU
X87-711	Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor - 110 volt application	All M-Series Indoor Units up to 30,000 BTU
X87-831	Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor - 110 volt application	All M-Series Indoor Units up to 30,000 BTU
X87-835	Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor - 208/230 volt application	All M-Series Indoor Units up to 30,000 BTU
CONTROL		
ETC-211000MIT	Electric Heat Lockout Control	All MVZ Multi-position AHU
MCCH1	Portable Central Controller (PCC) - controls up to 16 RedLINK Zones - requires an MHK1 on each indoor unit	All M-Series indoor units equipped with MHK1 Controller
MHK1	Wireless wall-mounted remote controller (MRCH1) with a signal receiver (MIFH1) and cable (MRC1) all in one kit	All M-Series indoor units
MOS1	Outdoor Air Sensor - reads both outside temperature and humidity displayed on MRCH1 and MCCH1 if installed	All M-Series indoor units equipped with MHK1 Controller
PAC-IF01MNT-E	System Control Interface	MXZ-2C,3C,4C,5C outdoor units
PAC-YT53CRAU	Simple MA Remote Controller (requires MAC-333IF-E interface for MSY/Z and MFZ indoor units)	All MSZ/Y, MFZ, SEZ, SLZ indoor units
PAC-YU25HT-G	External Fan / Heater control relay adapter	Use CN24RELAY-KIT-CM3
PAC-735	Adaptor - Fan Speed Indicator	All MVZ Multi-position AHU
PAC-740	Adaptor - ERV Control	All MVZ Multi-position AHU
MAC-333IF-E	System Control Interface - MA, Contact terminal, and M-NET Control Adapter, Supplemental heat and humidifier adaptor	All MSZ, MSY, MFZ, SEZ, and SLZ
AIR OUTLET GUIDE		
TAZ-MS303	3-Pole Disconnect Switch 30 Amps 600 volts rated for interrupting power supply at/near indoor unit - fits 2 X 4 utility box	All M-Series Indoor Units
CN24RELAY-KIT-CM3	Relay Kit for external heater adapter connects to CN24 on indoor control board	All SEZ indoor units, MVZ Multi-position AHU
PAC-715AD	Wire for Remote on/off with CN32 connector	All SEZ, SLZ indoor units
PAC-725AD	Connector and wire for Operation status/error, booster fan control for fresh air using CN51	All SEZ, SLZ indoor units
PAC-SE41TS-E	Remote temperature sensor for indoor units	All SEZ, SLZ indoor units
PAC-SF40RM-E	Remote Operation Adapter with wire terminals for remote on/off and operation status/error	All SEZ, SLZ indoor units
PAR-FA32MA	Wireless Signal Receiver used with PAR-FL32MA	All SEZ, SLZ indoor units
PAR-FL32MA	Wireless Remote Controller used with PAR-FA32MA	All SEZ, SLZ indoor units

RCMKP1CB	Lockdown Bracket for wireless, hand-held, remote controllers	All M-Series indoor units
DRAIN PAN		
PAC-SH97DP-E	External drain pan used for stacking Outdoor Units. Prevents drain water from dripping on the lower units	All MXZ-8C and MXZ H2i 4C,5C outdoor units
DRAIN PAN HEATER		
MAC-640BH-U	Outdoor Unit Drain Pan Heater used during defrost cycle	MUZ-GL09/12/15, MUZ-FH06/09/12, SUZ-KA09/12/15 outdoor units
MAC-641BH-U	Outdoor Unit Drain Pan Heater used during defrost cycle	SUZ-KA18 outdoor units
MAC-642BH-U	Outdoor Unit Drain Pan Heater used during defrost cycle	MUZ-GL18/24, MUZ-FH12/18 outdoor units
MAC-645BH-E	Outdoor Unit Drain Pan Heater used during defrost cycle	MXZ-2C,3C,4C,5C outdoor units
DRAIN SOCKET		
MAC-811DS	Outdoor drain pan socket - Provides pipe connection to route condensate out of drain pan	All MUZ/Y-D outdoor units
MAC-851DS	Outdoor drain pan socket - Provides pipe connection to route condensate out of drain pan	MUZ-GL18/24, MUZ-FH15/18 outdoor units
MAC-860DS	Outdoor drain pan socket - Provides pipe connection to route condensate out of drain pan	MUZ-FH06/09/12, MUZ/MUZ-GL-24/SUZ-KA09/12/15, MXZ-2C,3C,4C,5C outdoor units
PAC-SG60DS-E	Outdoor drain pan socket - Provides pipe connection to route condensate out of drain pan	MXZ-2C,3C,4C,5C outdoor units
PAC-SG61DS-E	Outdoor drain pan socket - Provides pipe connection to route condensate out of drain pan	MXZ-8C48NA outdoor units
ELECTRIC KIT HEATS		
EH05-MPA-S	Electric Heat Kit for Multi-position AHU	Use with MVZ-A12/18/24 Multi-position AHU
EH03-MPA-S	Electric Heat Kit for Multi-position AHU	Use with MVZ-A12/18/24 Multi-position AHU
EH08-MPA-S	Electric Heat Kit for Multi-position AHU	Use with MVZ-A12/18/24 Multi-position AHU
EH08-MPA-M	Electric Heat Kit for Multi-position AHU	Use with MVZ-A18/24 Multi-position AHU
EH10-MPA-M	Electric Heat Kit for Multi-position AHU	Use with MVZ-A30/36 Multi-position AHU
FILTER BOX		
FBL 1-1	FB SERIES Filter Box with MERV 8 Filters	SEZ-KD09 indoor units
FBL 1-2	FB SERIES Filter Box with MERV 8 Filters	SEZ-KD12/15 indoor units
FBL 1-3	FB SERIES Filter Box with MERV 8 Filters	SEZ-KD18 indoor units
FILTERS		
MAC-1415FT-E	Anti-Allergy Enzyme Filter (qty of 2)	All MSZ/Y-D indoor units
MAC-2310FT-E	Anti-Allergy Enzyme Filter (qty of 2)	MSZ/Y-GL24 indoor units
MAC-3000FT-E	Deodorizing Filter	All MSZ-FH indoor units
MAC-408FT-E	Anti-Allergy Enzyme Filter (qty of 2)	MSZ/Y-GL06/09/12/15/18 indoor units
MAC-415FT-E	Anti-Allergy Enzyme Filter	All MFZ-KA indoor units
OUTDOOR UNIT MOUNTING PAD		
DSD-400P	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	All M-Series outdoor units
ULTRILITE1	Condensing Unit Mounting Pad 16" x 36" x 3"	All MU,MUY/Z outdoor units, All SUZ outdoor units, and MXZ-2C,3C,4C,5C outdoor units
ULTRILITE2	Condensing Unit Mounting Pad 24" x 42" x 3"	MXZ-8C and All MXZ H2i 4C,5C,8C outdoor units
OUTDOOR UNIT STAND		
QSMS1201M	Outdoor Unit Stand - 12" High	Single Fan M-Series Outdoor Units
QSMS1801M	Outdoor Unit Stand - 18" High	Single Fan M-Series Outdoor Units
QSMS2401M	Outdoor Unit Stand - 24" High	Single Fan M-Series Outdoor Units
QSMS1202M	Outdoor Unit Stand - 12" High	Two Fan M-Series Outdoor Units
QSMS1802M	Outdoor Unit Stand - 18" High	Two Fan M-Series Outdoor Units
QSMS2402M	Outdoor Unit Stand - 24"High	Two Fan M-Series Outdoor Units
PORT ADAPTOR		
MAC-A454JP-E	Port Adapter size: 3/8" X 1/2"	All MXZ outdoor models and branch boxes
MAC-A455JP-E	Port Adapter size: 1/2" X 3/8"	All MXZ outdoor models and branch boxes
MAC-A456JP-E	Port Adapter size: 1/2" X 5/8"	All MXZ outdoor models and branch boxes
PAC-493PI	Port Adapter size: 1/4" x 3/8"	All MXZ outdoor models and branch boxes
PAC-SG76RJ-E	Port Adapter size: 3/8" x 5/8"	All MXZ outdoor models and branch boxes
WALL BRACKET		
QSMS2000M-1	Heavy Duty Wall Mounting Bracket for Outdoor Units - Coated Steel	All M-Series outdoor units
QSMS2000SS	Heavy Duty Wall Mounting Bracket for Outdoor Units - 316 Series Stainless Steel	All M-Series outdoor units

M-SERIES PRODUCT SPECIFICATIONS

SINGLE-ZONE | MSY System Cooling Only



Model Name	Indoor Unit		MSY-GL09NA-U1	MSY-GL12NA-U1	MSY-GL15NA-U1	MSY-GL18NA-U1	MSY-GL24NA-U1	
	Outdoor Unit		MUY-GL09NA-U1	MUY-GL12NA-U1	MUY-GL15NA-U1	MUY-GL18NA-U1	MUY-GL24NA-U1	
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	18,000	22,500	
	Capacity Range	Btu/h	3,800 - 12,200	3,800 - 13,600	1,500 - 13,600	5,800-22,000	8,200-31,400	
	Rated Total Input	W	585	920	1,080	1,340	1800	
	Energy Efficiency	SEER	24.6	23.1	21.6	20.5	20.5	
	Moisture Removal	Pints/h	1.5	2.5	2.7	2.1	5.1	
	Sensible Heat Factor		0.820	0.740	0.800	0.870	0.750	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *2					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ±24V					
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)					
Indoor Unit	MCA	A	1.0					
	Blower Motor (ECM)	F.L.A.	0.76			0.67	0.76	
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	DRY (CFM)	145-170-237-321-399		205-272-335-420-533	259-333-416-523-646	388-469-544-628-738	
		WET (CFM)	109-134-201-286-364		170-237-300-385-498	233-300-375-470-581	347-420-487-562-661	
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-45-49-53	
	External Finish Color		Munsell 1.0Y 9.2 / 0.2					
	Dimension Unit	W: In.	31-7/16			36-5/16	43-5/16	
		D: In.	9-1/8			9-13/16	9-3/8	
		H: In.	11-5/8			12	12-13/16	
	Weight Unit	Lbs.	22			28	37	
Field Drainpipe Size O.D.	In.	5/8						
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers						
Outdoor Unit	MCA	A	7		9	14	17.1	
	MOCAP	A	15				20	
	Fan Motor (ECM)	F.L.A.	0.50			0.93		
	Compressor	Model (Type)	DC INVERTER-driven			DC INVERTER-driven Twin Rotary		
		R.L.A.	4.9		6.8	10.0	12.9	
		L.R.A.	6.1		8.5	12.5	16.1	
	Airflow (Cooling)	CFM	1,229/1,172		1,243/1,229	1,691/1,691	1,769/1,701	
	Refrigerant Control		Linear Expansion Valve					
	Sound Pressure Level at Cooling *1	dB(A)	48	49		54	55	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-1/2			33-1/16		
		D: In.	11-1/4			13		
		H: In.	21-5/8			34-5/8		
Weight	Lbs.	81			121	119		
Refrigerant	Type	R410A						
	Charge	Lbs., Oz.	2, 9			3, 7	4, 3	
	Oil	Type (fl. oz.)	FV50S (0.27)	FV50S (0.35)		FV50S (0.40)		
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2		5/8	
	Liquid Side O.D.	In.	1/4			3/8		
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50		
	Length (Max.)	Ft.	65			100		
Connection Method	Indoor/Outdoor	Flared/Flared						

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling) - Indoor D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SINGLE-ZONE | MSY System

Cooling Only



Model Name	Indoor Unit		MSY-D30NA-8	MSY-D36NA-8	
	Outdoor Unit		MUY-D30NA-1	MUY-D36NA-1	
Cooling *1	Rated Capacity	Btu/h	30,700	34,600	
	Capacity Range	Btu/h	9,800-30,700	9,800-34,600	
	Total Input	W	3,380 (620-3,380)	4,240 (620-4,240)	
	Energy Efficiency	SEER	16	15.1	
	Moisture Removal	Pints/h	9.9	11.9	
	Sensible Heat Factor		0.64	0.62	
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2		
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V		
	Indoor - Outdoor S2 - S3		DC ±24V		
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)		
Indoor Unit	MCA	A	1.0		
	Blower Motor (ECM)	F.L.A.	0.76		
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful)*1	DRY (CFM)	389-639-848-887		
		WET (CFM)	350-576-763-798		
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful) *1	dB(A)	32-42-49-51		
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2		
	Dimension Unit	W: In.	46-1/16		
		D: In.	11-5/8		
		H: In.	14-3/8		
	Weight Unit	Lbs.	40		
Field Drainpipe Size O.D.	In.	5/8			
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers		
Outdoor Unit	MCA	A	21		
	MOCP	A	25		
	Fan Motor (ECM)	F.L.A.	0.93		
	Compressor	Model (Type)		DC INVERTER-driven Twin Rotary	
		R.L.A.	16		
		L.R.A.	20		
	Airflow (Cooling)	CFM	1,941		
	Refrigerant Control		Linear Expansion Valve		
	Sound Pressure Level at Cooling *1	dB(A)	55	56	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1		
	Dimensions	W: In.	33-1/16		
D: In.		13			
H: In.		33-7/16			
Weight	Lbs.	126			
Refrigerant	Type		R410A		
	Charge	Lbs., Oz.	4		
	Oil	Type (fl. oz.)	NE022 (29.4)		
Refrigerant Pipe	Gas Side O.D.	In.	5/8		
	Liquid Side O.D.	In.	3/8		
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	50		
	Length (Max.)	Ft.	100		
Connection Method	Indoor/Outdoor		Flared/Flared		

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling) - Indoor D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SINGLE-ZONE | MSZ Indoor Unit | Heat Pump



Model Name	Indoor Unit		MSZ-FH06NA	MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA2
	Outdoor Unit		MUZ-FH06NA	MUZ-FH09NA-1	MUZ-FH12NA-1	MUZ-FH15NA	MUZ-FH18NA2
Cooling *1	Rated Capacity	Btu/h	6,000	9,000	12,000	15,000	17,200
	Capacity Range	Btu/h	1,700 - 9,000	1,700-12,000	2,500-13,600	6,450 -19,000	6,450-21,000
	Rated Total Input	W	315	560	870	1,200	1,375
	Energy Efficiency	SEER	33.1	30.5	26.1	22.0	21.0
	Moisture Removal	Pints/h	0.2	0.6	1.9	4.0	4.8
	Sensible Heat Factor		0.960	0.920	0.830	0.700	0.690
Heating at 47° F *2	Rated Capacity	Btu/h	8,700	10,900	13,600	18,000	20,300
	Capacity Range	Btu/h	1,600 - 14,000	1,600-18,000	3,700-21,000	5,150 - 24,000	5,150-30,000
	Rated Total Input	W	545	710	950	1,300	1,720
	HSPF (IV)	Btu/h/W	13.5	13.5	12.5	12.0	12.0
	Maximum Capacity	Btu/h	10,700	12,200	13,600	18,000	20,300
Heating at 17° F *3	Rated Capacity	Btu/h	5,900	6,700	8,000	11,000	13,700
	Rated Total Input	W	500	600	720	1,020	1,320
	Maximum Capacity	Btu/h	10,700	12,200	13,600	18,000	20,300
Heating at 5° F	Maximum Capacity	Btu/h	8,700	10,900	13,600	18,000	20,300
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ±24V				
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)				
Indoor Unit	MCA	A	1.0				
	Blower Motor (ECM)	F.L.A.	0.67				
	Airflow at Cooling (Quiet-Low-Med.-High-Super Hi) *1	DRY (CFM)	137-167-221-304-381	137-167-221-304-381	137-167-221-304-398	225-262-304-355-411	225-262-304-355-459
		WET (CFM)	117-143-190-261-328	117-143-190-261-328	117-143-190-261-342	194-225-261-305-354	194-225-261-305-395
	Airflow at Heating (Quiet-Low-Med.-High-Super Hi) *2	DRY (CFM)	140-167-225-325-437	140-167-225-325-437	140-167-225-325-454	201-254-317-394-497	201-254-317-394-514
	Sound Pressure Level at Cooling (Quiet-Low-Med.-High-Super Hi) *1	dB(A)	20-23-29-36-40	20-23-29-36-40	21-24-29-36-41	27-31-35-39-47	20-23-29-36-40
	Sound Pressure Level at Heating (Quiet-Low-Med.-High-Super Hi) *2	dB(A)	20-24-29-36-42	20-24-29-36-42	21-24-29-36-42	25-29-34-39-46	20-24-29-36-42
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				
	Dimension Unit	W: In.	36-7/16				
		D: In.	9-3/16				
		H: In.	12(+11/16)				
Weight Unit	Lbs.	29					
Field Drainpipe Size O.D.	In.	5/8					
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers				
Outdoor Unit	MCA	A	11			16	15
	MOCP	A	15			20	
	Fan Motor (ECM)	F.L.A.	0.50			0.93	
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	8.2			12.0	10.0
		L.R.A.	10.3			15.0	12.5
	Airflow (Cooling/Heating)	CFM	1,150/1,280	1,074/1,202		1,190/1,320	1,692/1,634
	Refrigerant Control	Linear Expansion Valve					
	Defrost Method	Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	47	48	49	51	52
	Sound Pressure Level at Heating *2	dB(A)	48	49	51	55	55
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-1/2			33-1/16	
		D: In.	11-1/4			13	
H: In.		21-5/8			34-5/8		
Weight	Lbs.	81			124		
Refrigerant	Type	R410A					
	Charge	Lbs., Oz.	2, 9			3, 7	
	Oil	Type (cc)	FV50S (350)			FV50S (400)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8			1/2	
	Liquid Side O.D.	In.	1/4				
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50	
	Length (Max.)	Ft.	65			100	
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring. Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SINGLE-ZONE | MSZ System | Heat Pump



Model Name	Indoor Unit		MSZ-GL09NA-U1	MSZ-GL12NA-U1	MSZ-GL15NA-U1	MSZ-GL18NA-U1	MSZ-GL24NA-U1	
	Outdoor Unit		MUZ-GL09NA-U8	MUZ-GL12NA-U1	MUZ-GL15NA-U1	MUZ-GL18NA-U1	MUZ-GL24NA-U1	
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	18,000	22,400	
	Capacity Range	Btu/h	3,600 - 12,200	1,500 - 13,600	3,100 - 18,200	5,800 - 22,000	8,200 - 31,400	
	Rated Total Input	W	585	920	1,080	1,340	1,800	
	Energy Efficiency	SEER	24.6	23.1	21.6	20.5	20.5	
	Moisture Removal	Pints/h	1.5	2.5	2.7	2.1	5.1	
	Sensible Heat Factor		0.820	0.740	0.800	0.870	0.750	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	14,400	18,000	21,600	27,600	
	Capacity Range	Btu/h	4,500 - 14,100	5,500 - 18,100	4,800 - 20,900	5,400 - 25,000	7,500 - 36,900	
	Rated Total Input	W	720	1,100	1,600	1,680	2,340	
	HSPF (IV)	Btu/h/W	12.8	12.5	11.7	11.2	10.0	
Heating at 17° F *3	Rated Capacity	Btu/h	7,000	12,000	16,400	18,200	24,600	
	Rated Total Input	W	620	9,200	12,200	13,800	16,000	
	Maximum Capacity	Btu/h	9,400	1,240	1,850	2,150	3,290	
Heating at 5° F	Maximum Capacity	Btu/h	7,600	9,700	13,700	14,500	21,160	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ±24V					
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)					
Indoor Unit	MCA	A	1.0					
	Blower Motor (ECM)	F.L.A.	0.76		0.67		0.76	
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	DRY (CFM)	145-170-237-321-399		205-272-335-420-533		259-333-416-523-646	388-469-544-628-738
		WET (CFM)	109-134-201-286-364		170-237-300-385-498		233-300-375-470-581	347-420-487-562-661
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	145-170-237-321-406		205-247-304-367-463		296-384-469-563-646	388-469-544-628-738
	External Static Pressure	In. WG						
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-45-49-53	
	Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	dB(A)	19-22-30-37-43	19-22-30-37-43	26-30-35-40-46	28-33-38-43-48	32-41-45-49-52	
	External Finish Color	Munsell 1.0Y 9.2 / 0.2						
	Dimension Unit	W: In.	31-7/16			36-5/16		43-5/16
		D: In.	9-1/8			9-13/16		9-3/8
		H: In.	11-5/8			12		12-13/16
Weight Unit	Lbs.	22		28		37		
Field Drainpipe Size O.D.	In.	5/8						
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers						
Outdoor Unit	MCA	A	9		10		14	17.1
	MOCP	A	15					20
	Fan Motor (ECM)	F.L.A.	0.5		0.93			
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary					
		R.L.A.	6.2	6.6	7.4	10.0	12.9	
		L.R.A.	7.7	8.2	9.3	12.5	16.1	
	Airflow (Cooling/Heating)	CFM	1,229/1,172	1,229 / 1,172	1,243 / 1,229	1,691 / 1,691	1,769 / 1,701	
	Refrigerant Control	Linear Expansion Valve						
	Defrost Method	Reverse Cycle						
	Sound Pressure Level at Cooling *1	dB(A)	48	49	54	55		
	Sound Pressure Level at Heating *2	dB(A)	50	51	55			
	External Finish Color	Munsell No. 3Y 7.8 / 1.1						
Dimensions	W: In.	31-1/2			33-1/16			
	D: In.	11-1/4			13			
	H: In.	21-5/8			34-5/8			
Weight	Lbs.	81		121		119		
Refrigerant	Type	R410A						
	Charge	Lbs., Oz.	2, 9		3, 7		4, 3	
	Oil	Type (fl. oz.)	FV50S (0.35)			FV50S (0.40)		
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2		5/8	
	Liquid Side O.D.	In.	1/4		3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50		
	Length (Max.)	Ft.	65			100		
Connection Method	Indoor/Outdoor	Flared/Flared						

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);

Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring. Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SINGLE-ZONE | MSZ System | Heat Pump



Model Name	Indoor Unit		MSZ-D30NA-8	MSZ-D36NA-8	
	Outdoor Unit		MUZ-D30NA-1	MUZ-D36NA-1	
Cooling *1	Rated Capacity	Btu/h	30,700	33,200	
	Capacity Range	Btu/h	9,800-30,700	9,800-33,200	
	Total Input	W	3,850 (620-3,850)	4,360 (620-4,360)	
	Energy Efficiency	SEER	14.5		
	Moisture Removal	Pints/h	9.9	11.3	
	Sensible Heat Factor		0.64	0.62	
Heating at 47° F *2	Rated Capacity	Btu/h	32,600	35,200	
	Capacity Range	Btu/h	8,700-34,000	8,700-36,000	
	Total Input	W	3,360 (520-3,600)	3,840 (520-4,100)	
	HSPF (Region IV)	Btu/h/W	8.2		
Heating at 17° F *3	Rated Capacity	Btu/h	19,500	21,800	
	Rated Total Input	W	2,620 *5	3,000 *5	
	Maximum Capacity	Btu/h	20,800	22,800	
Heating at 5° F	Maximum Capacity	Btu/h	16,305	19,090	
Power Supply	Phase, Cycle, Voltage				
Voltage	Indoor - Outdoor S1-S2		1 Phase, 60Hz, 208 / 230V *4		
	Indoor - Outdoor S2-S3		AC 208-230V		
	Indoor - Remote Controller		DC ±24V		
Indoor Unit	MCA	A	1.0		
	Blower Motor (ECM)	F.L.A.	0.76		
	Airflow at Cooling (Lo-Med-Hi-Super HI-Powerful) *1	DRY (CFM)	389-639-848-887		
		WET (CFM)	350-576-763-798		
	Airflow at Heating (Lo-Med-Hi-SuperHI-Powerful) *2	DRY (CFM)	445-639-848-887		
	Sound Pressure Level (Cooling) (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	32-42-49-51		
	Sound Pressure Level (Heating) (Lo-Med-Hi-Super HI-Powerful) *2		34-42-49-50		
	External Finish Color	Munsell No. 1.0Y 9.2 / 0.2			
	Dimension Unit	W: In.	46-1/16		
		D: In.	11-5/8		
		H: In.	14-3/8		
	Weight Unit	Lbs.	40		
Field Drainpipe Size O.D.	In.	5/8			
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers			
Outdoor Unit	MCA	A	21		
	MOCP	A	25		
	Fan Motor (ECM)	F.L.A.	0.93		
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary		
		R.L.A.	16		
		L.R.A.	20		
	Airflow	CFM	1,941		
	Refrigerant Control	Linear Expansion Valve			
	Defrost Method	Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	55	56	
	Sound Pressure Level at Heating *2	dB(A)	57		
	External Finish Color	Munsell No. 3Y 7.8/1.1			
Dimensions	W: In.	33-1/16			
	D: In.	13			
	H: In.	33-7/16			
Weight	Lbs.	141			
Refrigerant	Type	R410A			
	Charge	Lbs., Oz.	4, 10		
	Oil	Type (Fl. Oz.)	NE022 (29.4)		
Refrigerant Pipe	Gas Side O.D.	In.	5/8		
	Liquid Side O.D.		3/8		
	Height Difference (Max.)	Ft.	50		
	Length (Max.)		100		
Connection Method	Indoor/Outdoor	Flared/Flared			

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C);
Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);

Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

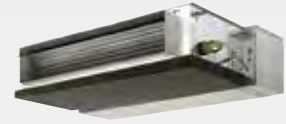
*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

*5. Maximum Total Input

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SINGLE-ZONE | SEZ System | Heat Pump



Model Name	Indoor Unit		SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4	
	Outdoor Unit		SUZ-KA09NA	SUZ-KA12NA	SUZ-KA15NA	SUZ-KA18NA	
Cooling *1	Rated Capacity	Btu/h	8,100	11,500	14,100	17,200	
	Capacity Range	Btu/h	3,800-10,900	3,800-13,300	3,800-17,000	3,800-19,000	
	Total Input	W	670	920	1,170	1,380	
	Energy Efficiency	SEER	15	16	15.5	17.5	
	Moisture Removal	Pints/h	1.5	2.4	2.6	3.4	
	Sensible Heat Factor		0.80	0.76	0.80	0.79	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600	
	Capacity Range	Btu/h	4,800-14,100	4,800-16,400	4,800-21,100	4,800-24,900	
	Total Input	W	1,020	1,140	1,500	1,700	
	HSPF (IV)	Btu/h/W	10.0				
Heating at 17° F *3	Rated Capacity	Btu/h	6,700	9,000	11,900	13,100	
	Rated Total Input	W	810	920	1,200	1,350	
	Maximum Capacity	Btu/h	6,700	9,000	11,900	13,100	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V *4				
Voltage	Indoor - Outdoor S1 - S2		AC 208-230V				
	Indoor - Outdoor S2 - S3		DC ±24V				
Indoor Unit	MCA	A	1				
	Blower Motor (ECM)	F.L.A.	0.51	0.57	0.74		
	Airflow at Cooling/Heating (Lo-Med-Hi)	DRY (CFM)	194-247-317	247-317-388	353-441-529	423-529-635	
		WET (CFM)	174-222-285	222-285-349	317-396-476	381-476-572	
	External Static Pressure *3	In. W.G.	0.02-0.06-0.14-0.20				
	Sound Pressure Level (Lo-Med-Hi)	dB(A)	23-26-30	23-28-33	30-34-37	30-34-38	
	External Finish	Galvanized-Steel Sheets					
	Dimension Unit	W: In.	31-1/8	39		46-7/8	
		D: In.	27-9/16				
		H: In.	7-7/8				
	Weight Unit	Lbs.	42	50	54	62	
Drain-lift Mechanism	H: In.	21-11/16					
Field Drainpipe Size O.D.	In.	1-1/4					
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers					
Outdoor Unit	MCA	A	12		14		
	MOCP	A	15				
	Fan Motor (ECM)	F.L.A.	0.50			0.93	
	Compressor	Model (Type)	DC Inverter		DC Inverter Twin Rotary		
		R.L.A.	6.6		7.4	10	
		L.R.A.	8.2		9.3	12.5	
	Airflow (Cooling/Heating)	CFM	1,151/1,225	1,229/1,172	1,243/1,229	1,730/1,659	
	Refrigerant Control	Linear Expansion Valve					
	Defrost Method	Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	46	49		54	
	Sound Pressure Level at Heating *2	dB(A)	50	51		56	
	External Finish Color	Munsell No. 3Y 7.8/1.1					
	Dimensions	W: In.	31-1/2			33-1/6	
		D: In.	11-1/4			13	
		H: In.	21-5/8			33-7/16	
Weight	Lbs.	66	77	80	119		
Refrigerant	Type	R410A					
	Charge	Lbs., Oz.	2	2, 9		4	
	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)		
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2		
	Liquid Side O.D.	In.	1/4				
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50	
	Length (Max.)	Ft.	65			100	
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C);
Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

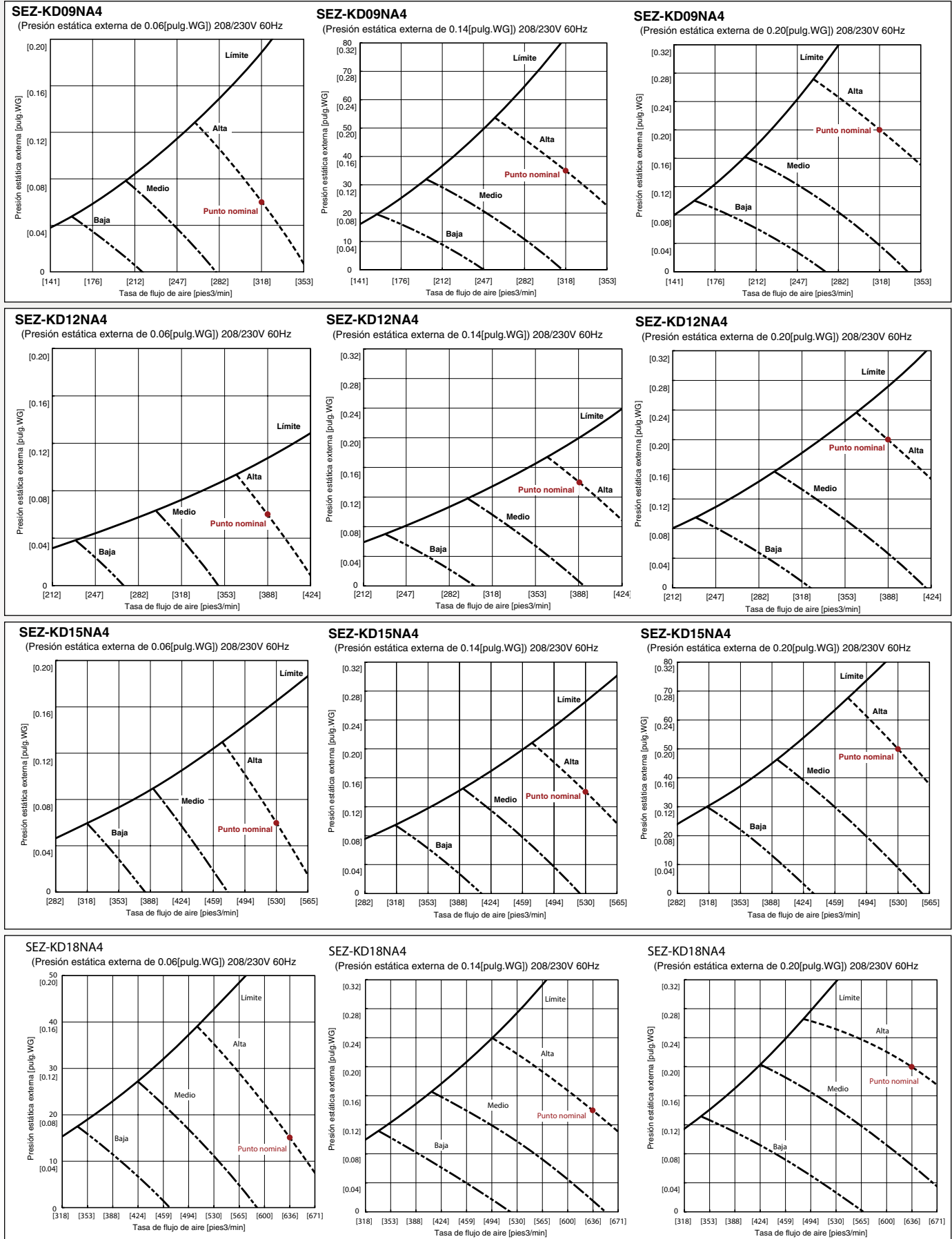
*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

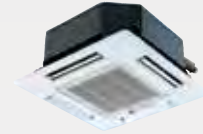
Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

SEZ STATIC PERFORMANCE CURVES



SINGLE-ZONE | SLZ System | Heat Pump



Model Name	Indoor Unit		SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA	
	Outdoor Unit		SUZ-KA09NA	SUZ-KA12NA	SUZ-KA15NA	
Cooling *1	Rated Capacity	Btu/h	8,400	11,100	15,000	
	Capacity Range	Btu/h	3,100-10,900	3,400-13,300	3,800-17,700	
	Total Input	W	700	920	1,460	
	Energy Efficiency	SEER	15	15.4	16	
	Moisture Removal	Pints/h	1.2	2.3	4.5	
	Sensible Heat Factor		0.84	0.77	0.67	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	
	Capacity Range	Btu/h	3,100-14,100	3,100-17,100	3,100-22,000	
	Total Input	W	930	1,180	1,950	
	HSPF (I/W)	Btu/h/W		9.6		
Heating at 17° F *3	Rated Capacity	Btu/h	6,200	8,300	10,200	
	Rated Total Input	W	740	930	1,310	
	Maximum Capacity	Btu/h	6,200	8,300	12,000	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208-230V			
	Indoor - Outdoor S2 - S3		DC ±24V			
Indoor Unit	MCA	A	1			
	Fan Motor (ECM)	F.L.A.	0.23	0.28	0.28	
	Airflow at Cooling/Heating (Lo-Med-Hi)	DRY (CFM)		280-320-350	280-320-390	280-320-390
		WET (CFM)		250-290-320	250-290-350	250-290-350
	Sound Pressure Level	dB(A)	29-32-38	30-34-39	31-35-40	
	External Finish		Galvanized-Steel Sheets; Grille: Munsell 6.4Y 8.9/0.4			
	Dimension Unit (Grille)	W: In.		22-7/16 (25-5/8)		
		D: In.		22-7/16 (25-5/8)		
		H: In.		9-1/4 (13/16)		
	Weight Unit (Grille)	Lbs.		36 (7)		
	Drain-lift Mechanism (Included)	H: In.		19-11/16		
Field Drainpipe Size O.D.	In.		1-1/4			
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers			
Outdoor Unit	MCA	A	12			
	MOCP	A	15			
	Fan Motor (ECM)	F.L.A.	0.50			
	Compressor	Model (Type)		DC INVERTER-driven	DC INVERTER-driven Twin Rotary	
		R.L.A.		6.6	7.4	
		L.R.A.		8.2	9.3	
	Airflow (Cooling/Heating)	CFM	1,151/1,225	1,229/1,172	1,243/1,229	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	46	49		
	Sound Pressure Level at Heating *2	dB(A)	50	51		
	External Finish Color		Munsell No. 3Y 7.8/1.1			
	Dimensions	W: In.		31-1/2		
D: In.			11-1/4			
H: In.			21-5/8			
Weight	Lbs.	66	77	80		
Refrigerant	Type		R410A			
	Charge	Lbs., Oz.	2	2, 9		
Refrigerant Pipe	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)	
	Gas Side O.D.	In.	3/8			
Refrigerant Pipe Length	Liquid Side O.D.	In.	1/4			
	Height Difference (Max.)	Ft.	40			
Connection Method	Length (Max.)	Ft.	65			
	Indoor/Outdoor		Flared/Flared			

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C);
Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Note: ESP at 208/230V, 60 Hz. See manual for Static Performance Curve, including at 0.02 in W.G.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

MULTI-ZONE | MXZ-C | Heat Pump



Model Name		Outdoor Unit		MXZ-3C24NA *5	MXZ-3C30NA	MXZ-4C36NA-1 *6	MXZ-5C42NA	MXZ-8C48NA*8	
Indoor Unit	Cooling *1 Non-ducted/Ducted	Rated Capacity	Btu/h	22,000 / 23,600	28,400 / 27,400	35,400 / 34,400	40,500 / 37,500	48,000 / 48,000	
		Capacity Range	Btu/h	12,600-22,000 / 12,600-25,500	12,600-28,400 / 12,600-27,400	12,600-36,400 / 12,600-34,800	6,000 - 43,000	6,000-48,000	
		Rated Total Input	W	1,620 / 2,100	2,680 / 2,840	3,760 / 3,940	4,403 / 4,112	4,000 / 5,050	
	Heating at 47° F *2 Non-ducted/Ducted	Rated Capacity	Btu/h	25,000 / 24,600	28,600 / 27,600	36,000 / 34,400	45,000 / 41,000	54,000 / 54,000	
		Capacity Range	Btu/h	11,400-30,600 / 11,400-29,400	11,400-36,000 / 11,400-35,000	11,400-43,000 / 11,400-41,400	7,200 - 53,600	7,200 - 54,000	
		Rated Total Input	W	1,750 / 1,900	2,150 / 2,220	3,020 / 3,100	3,575 / 3,463	4,220 / 4,990	
	Heating at 17° F *3 Non-ducted/Ducted	Rated Capacity	Btu/h	14,000 / 14,000	16,000 / 15,100	22,200 / 20,300	24,400 / 23,000	36,600 / 36,600	
		Maximum Capacity	Btu/h	19,600 / 19,600	21,000 / 21,000	26,600 / 26,600	30,500 / 29,100	36,600 / 36,600	
		Rated Total Input	W	2,120 / 2,230	2,120 / 2,140	3,340 / 3,450	2,943 / 2,869	3,720 / 4,420	
	Heating at 5° F	Maximum Capacity	Btu/h	18,200	18,200	24,000	26,000	32,400	
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *7						
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V						
	Indoor - Outdoor S2 - S3		DC ±24V						
Outdoor Unit *4	MCA	A	22.1		22.1		31.9	37	
	MOCP	A	25				40	52	
	Fan Motor (ECM)	F.L.A.	1.90					0.4+0.4	
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary						
		R.L.A.	12				20	19	
		L.R.A.	13.7				28.8	22	
	Airflow (Cooling/Heating)	CFM	1,485 / 1,640	2,068 / 1,605	1,365 / 1,605	2,118 / 2,542	3,885		
	Refrigerant Control	Linear Expansion Valve							
	Defrost Method	Reverse Cycle							
	Sound Pressure Level at Cooling *1	dB(A)	51	52	54	56	51		
	Sound Pressure Level at Heating *2	dB(A)	55	56		58	54		
	External Finish Color	Munsell No. 3.0Y 7.8 / 1.1							
	Dimensions	W: In.	37-13/32				41-9/32	52-11/16	
D: In.		13				13			
H: In.		31-11/32				41-9/32	52-11/16		
Weight	Lbs.	135	137	189	269				
Indoor Unit	No. of Units	2	2, 3	2, 3	2,3,4,5	2,3,4,5,6,7,8			
Remote Controller	Type	Associated with the Indoor Unit							
Refrigerant	Type	R410A							
	Charge	Lbs., Oz.	6, 13		8, 13		10, 9		
	Oil	Type (fl. oz.)	FV50S (24.7)		FV50S (37.4)		FV50S (73)		
Refrigerant Pipe	Gas Side O.D.	In.	A: 1/2; B: 3/8	A: 1/2; B,C: 3/8	A: 1/2; B,C,D: 3/8	A: 1/2; B,C,D,E: 3/8	5/8		
	Liquid Side O.D.	In.	1/4				3/8		
Max Refrigerant Line Length	Height Difference (Max.)	Ft.	230		492				
Max. Piping Length for Each Indoor Unit			82		262				
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft.	49		131				
	If IDU is Below ODU	Ft.	49		164				
Connection Method	Indoor/Outdoor	Flared/Flared							

NOTES: Test conditions are based on AHRI 210/240. One indoor unit is turned off during low-speed testing under the new test conditions. **Systems actually exhibit higher energy efficiencies during normal operation.**

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C);
Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Refer to pages 37-40 for Indoor Unit specifications.

*5. Data from combination of two Indoor Units 6,000 Btu/h and one 9,000 Btu/h (non-ducted) or three 9,000 Btu/h (ducted).

*6. Data from combination of four Indoor Units 9,000 Btu/h (non-ducted and ducted).

*7. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

*8. MXZ-8C48NA require branch box for operation.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

Model Name		PAC-MKA30BC	PAC-MKA50BC	
Connectable No. of Indoor Units		3	5	
Power Supply	Phase, Cycle, Voltage	1 Phase, 60Hz, 208 / 230V		
Power Input	W	3		
Current	A	0.05		
External Finish		Galvanized-Steel Sheets		
Dimensions	Width	In.	17-2 3/32	
	Depth	In.	11-1/32	
	Height	In.	6-11/16	
Net Weight	Lbs.	15	16	
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In.)	5/8	
		Liquid (In.)	3/8	
	Branch Box to Indoor Units	Gas (In.)	A,B,C: 3/8	A, B, C, D: 3/8; E: 1/2
		Liquid (In.)	A,B,C: 1/4	A, B, C, D, E: 1/4



PAC-MKA50BC



PAC-MKA30BC

MULTI-ZONE | MXZ-C | H2i Heat Pump



Model Name		Outdoor Unit		MXZ-2C20NAHZ	MXZ-3C24NAHZ	MXZ-3C30NAHZ	MXZ-4C36NAHZ*6	MXZ-5C42NAHZ*6	MXZ-8C48NAHZ*6
Indoor Unit	Cooling *1 Non-ducted/Ducted	Rated Capacity	Btu/h	18,000 / 20,000	22,000 / 23,600	28,400 / 27,400	36,000 / 36,000	42,000 / 42,000	48,000 / 48,000
		Capacity Range	Btu/h	6,000 - 20,000	6,000 - 23,600	12,600 - 28,400	6,000 - 36,000	6,000 - 42,000	6,000 - 48,000
		Rated Total Input	W	1,334 / 1,819	1,630 / 2,360	2,272 / 2,661	2,570 / 3,180	3,130 / 3,890	4,000 / 5,050
	Heating at 47° F *2 Non-ducted/Ducted	Rated Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 / 27,600	45,000 / 45,000	48,000 / 48,000	54,000 / 54,000
		Capacity Range	Btu/h	7,400 - 25,500	7,200 - 30,600	11,400 - 36,000	7,200 - 45,000	7,200 - 48,000	7,200 - 54,000
		Rated Total Input	W	1,612 / 1,748	1,725 / 1,871	2,096 / 2,187	3,340 / 4,250	3,430 / 4,350	4,220 / 4,990
	Heating at 17° F *3 Non-ducted/Ducted	Rated Capacity	Btu/h	13,700 / 13,700	14,000 / 14,000	18,000 / 16,500	34,000 / 36,000	35,800 / 36,600	40,000 / 43,000
		Maximum Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 / 27,600	45,000 / 45,000	48,000 / 48,000	54,000 / 54,000
		Rated Total Input	W	1,450 / 1,588	1,622 / 1,635	1,991 / 1,993	3,500 / 4,590	3,650 / 4,290	4,340 / 5,250
	Heating at 5° F	Maximum Capacity	Btu/h	22,000	25,000	28,600	45,000	48,000	54,000
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *5						
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V						
	Indoor - Outdoor S2 - S3		DC ±24V						
Outdoor Unit *4	MCA	A	29	30			42		
	MOCP	A	40			52			
	Fan Motor (ECM)	F.L.A.	1.90			0.4-0.4			
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary						
		R.L.A.	12			19			
		L.R.A.	28.8			22			
	Airflow (Cooling/Heating)	CFM	2,118 / 2,542	2,118 / 2,542	2,224 / 2,542	3,885 / 3,885			
	Refrigerant Control	Linear Expansion Valve							
	Defrost Method	Reverse Cycle							
	Sound Pressure Level at Cooling *1	dB(A)	54			49	50	51	
	Sound Pressure Level at Heating *2	dB(A)	58			53	54	54	
	External Finish Color	Munsell No. 3.OY 7.8 / 1.1							
	Dimensions	W: In.	37-13/32			41-11/32			
		D: In.	13						
H: In.		41-9/32			52-11/16				
Weight	Lbs.	187	189			276			
Indoor Unit	No. of Units	2	2, 3	2, 3	2,3,4	2,3,4,5	2,3,4,5,6,7,8		
Remote Controller	Type	Associated with the Indoor Unit							
Refrigerant	Type	R410A							
	Charge	Lbs., Oz.	6, 13			10, 9			
Refrigerant Pipe	Gas Side O.D.	In.	A,B: 3/8	A: 1/2; B,C: 3/8	A: 1/2; B,C: 3/8	5/8			
	Liquid Side O.D.	In.	1/4			3/8			
Max Refrigerant Line Length	Height Difference (Max.)	Ft.	164	230			492		
Max. Piping Length for Each Indoor Unit			82			262			
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft.	49			131			
	If IDU is Below ODU	Ft.	49			164			
Connection Method	Indoor/Outdoor	Flared/Flared							

NOTES: Test conditions are based on AHRI 210/240. One indoor unit is turned off during low-speed testing under the new test conditions. **Systems actually exhibit higher energy efficiencies during normal operation.**

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C);
 Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
 Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C);
 Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Refer to pages 35-39 for Indoor Unit specifications.
 *5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
 *6. MXZ-4C36NAHZ, MXZ-5C42NAHZ and MXZ-8C48NAHZ require branch box for operation.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

Model Name		PAC-MKA30BC	PAC-MKA50BC	
Connectable No. of Indoor Units		3	5	
Power Supply	Phase, Cycle, Voltage	1 Phase, 60Hz, 208 / 230V		
Power Input	W	3		
Current	A	0.05		
External Finish		Galvanized-Steel Sheets		
Dimensions	Width	In.	17-2 3/32	
	Depth	In.	11-1/32	
	Height	In.	6-11/16	
Net Weight	Lbs.	15	16	
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In.)	5/8	
		Liquid (In.)	3/8	
	Branch Box to Indoor Units	Gas (In.)	A,B,C: 3/8	A, B, C, D: 3/8; E: 1/2
		Liquid (In.)	A,B,C: 1/4	A, B, C, D, E: 1/4



PAC-MKA50BC



PAC-MKA30BC

Only a single lineset is needed from the outdoor unit to branch box.
 Branch Boxes: (At least one branch box required)

MULTI-ZONE | MSZ Indoor Units | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		MSZ-FH06NA	MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA2
Cooling *1	Rated Capacity	Btu/h	6,000	9,000	12,000	15,000	17,200
Heating at 47° F *2	Rated Capacity	Btu/h	8,700	10,900	13,600	18,000	20,300
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ±24V				
	MCA	A	1.0				
Fan	Blower Motor	F.L.A.	0.76				0.67
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	DRY (CFM)	137-167-221-304-381	137-167-221-304-381	137-167-221-304-398	225-262-304-355-411	225-262-304-355-459
		WET (CFM)	117-143-190-261-328	117-143-190-261-328	117-143-190-261-342	194-225-261-305-354	194-225-261-305-395
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	140-167-225-325-437	140-167-225-325-437	140-167-225-325-454	201-254-317-394-497	201-254-317-394-514
Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	20-23-29-36-40	20-23-29-36-40	21-24-29-36-41	27-31-35-39-47	20-23-29-36-40	
Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	dB(A)	20-24-29-36-42	20-24-29-36-42	21-24-29-36-42	25-29-34-39-46	20-24-29-36-42	
External Finish Color		Munsell 1.0Y 9.2 / 0.2					
Dimension Unit	W: In.	36-7/16					
	D: In.	9-3/16					
	H: In.	12(+11/16)					
Weight Unit	Lbs.	29					
Field Drainpipe Size O.D.	In.	5/8					
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers					
Refrigerant	Type	R410A					
Refrigerant Pipe	Gas Side O.D.	In.	3/8			1/2	
	Liquid Side O.D.	In.	1/4				
Connection Method	Indoor/Outdoor	Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

For data on specific indoor unit combinations, visit www.mitsubishipro.com/multizone.

MULTI-ZONE | MSZ Indoor Units | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		MSZ-GL06NA-U1	MSZ-GL09NA-U1	MSZ-GL12NA-U1	MSZ-GL15NA-U1	MSZ-GL18NA-U1	MSZ-GL24NA-U1
Cooling *1	Rated Capacity	Btu/h	6,000	9,000	12,000	14,000	17,200	22,400
Heating at 47° F *2	Rated Capacity	Btu/h	7,200	10,900	14,400	18,000	21,600	27,600
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ±24V					
	MCA	A	1.0					
Fan	Blower Motor	F.L.A.	0.76			0.67	0.76	
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	DRY (CFM)	145-170-237-321-399	145-170-237-321-399		205-272-335-420-533	259-333-416-523-646	388-469-544-628-738
		WET (CFM)	109-134-201-286-364	109-134-201-286-364		170-237-300-385-498	233-300-375-470-581	347-420-487-562-661
Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	145-170-237-321-406	145-170-237-321-406		205-247-304-367-463	296-384-469-563-646	388-469-544-628-738	
Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	19-22-30-37-43	19-22-30-37-45		26-32-38-44-49	28-33-38-44-49	34-41-45-49-53	
Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	dB(A)	19-22-30-37-43	19-22-30-37-43		26-30-35-40-46	28-33-38-43-48	32-41-45-49-52	
External Finish Color			Munsell 1.0Y 9.2 / 0.2					
Dimension Unit	W: In.	31-7/16				36-5/16	43-5/16	
	D: In.	9-1/8				9-13/16	9-3/8	
	H: In.	11-5/8				12	12-13/16	
Weight Unit	Lbs.	22				28	37	
Field Drainpipe Size O.D.	In.	5/8						
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers						
Refrigerant	Type	R410A						
Refrigerant Pipe	Gas Side O.D.	In.	3/8			1/2	5/8	
	Liquid Side O.D.	In.	1/4				3/8	
Connection Method	Indoor/Outdoor	Flared/Flared						

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Indoor units receive power from outdoor units through field-supplied wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

For data on specific indoor unit combinations, visit www.mitsubishipro.com/multizone.

SEZ Ducted Indoor Unit | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4
Cooling *1	Rated Capacity	Btu/h	8,100	11,500	14,100	17,200
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600
Power Supply	Phase, Cycle, Voltage		1-Phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1-S2		AC 208-230V			
	Indoor - Outdoor S2-S3		DC ±24V			
	MCA	A	1.0			
Fan	Blower Motor (ECM)	F.L.A.	0.51	0.57	0.74	
	Airflow at Cooling/Heating (Lo-Med-Hi)	CFM	194-247-317	247-317-388	353-441-529	423-529-635
	External Static Pressure *3	In. W.G.	0.02-0.06-0.14-0.20			
Sound Pressure Levels (Lo-Med-Hi)		dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
External Finish		Galvanized-steel Sheets				
Dimension	W: In.		31-1/8	39		46-7/8
	D: In.	27-9/16				
	H: In.	7-7/8				
Weight	Lbs.		42	50	54	62
Drain-lift Mechanism (Included)	H: In.	21-11/16				
Field Drainpipe Size O.D.	In.	1-1/4				
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers				
Refrigerant	Type	R410A				
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.		1/4			
Connection Method		Flared/Flared				
vvConnection Method		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (26.7° C), W.B. 67° F (19.4° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (23.9° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21.1° C), W.B. 60° F (15.6° C); Outdoor: D.B. 47° F (8.3° C), W.B. 43° F (6.1° C).

*3. External static pressure is factory set to 0.06" W.G. Adjustable via remote controller.

*4. Indoor units receive power from outdoor units through field supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

MVZ Multi-Position Air-Handling Unit | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		MVZ-A12AA4	MVZ-A18AA4	MVZ-A24AA4	MVZ-A30AA4	MVZ-A36AA4
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000
Heating at 47° F *2	Rated Capacity	Btu/h	13,500	20,000	27,000	34,000	40,000
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V				
Voltage	Indoor - Outdoor S1-S2		AC 208-230V				
	Indoor - Outdoor S2-S3		±24VDC				
	MCA	A	1.0				
Fan	Airflow at Cooling/Heating (Lo-Med-Hi)	CFM	280-340-400	410-497-585	515-625-735	613-744-875	767-931-1095
	External Static Pressure *3	In. W.G.	0.30-0.50-0.80				
Sound Pressure Level at Cooling/Heating (Lo-Med-Hi) *1		dB(A)	27-31-35	28-32-36	30-34-38	32-36-40	35-39-43
External Finish Color	High-gloss polyester powder coated						
Dimension Unit	W: In.	50-1/4				54-1/4	
	D: In.	17				54-1/4	
	H: In.	21-5/8					
Weight Unit		Lbs.	113			141	
Refrigerant	Type		R410A				
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8		
	Liquid Side O.D.	In.	1/4		3/8		
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (26.7° C), W.B. 67° F (19.4° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (23.9° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21.1° C), W.B. 60° F (15.6° C); Outdoor: D.B. 47° F (8.3° C), W.B. 43° F (6.1° C).

*3. External static pressure is factory set to 0.05" W.G. at factory shipment.

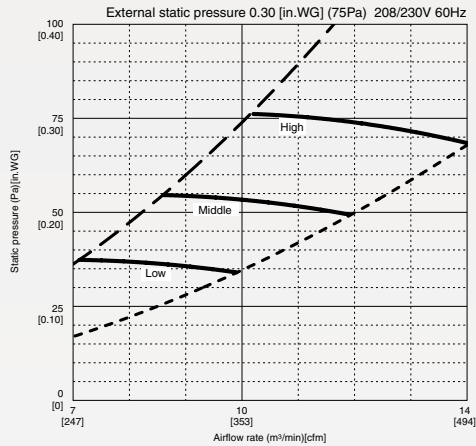
Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

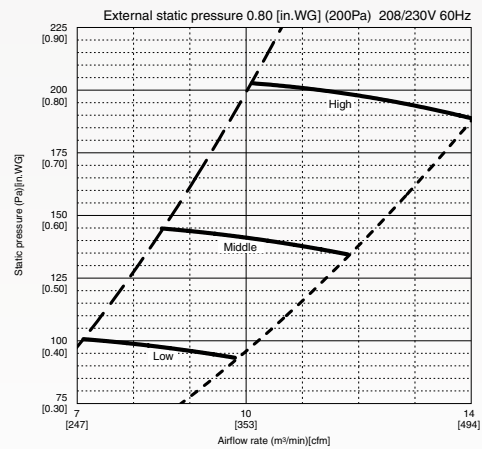
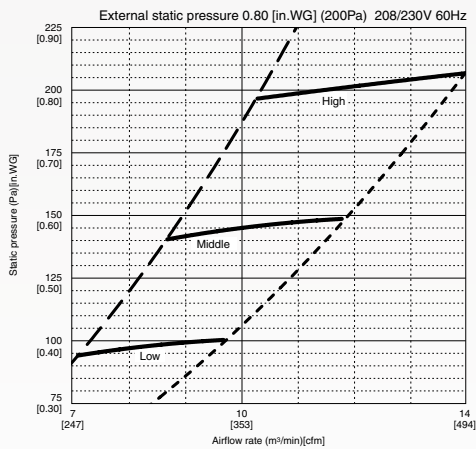
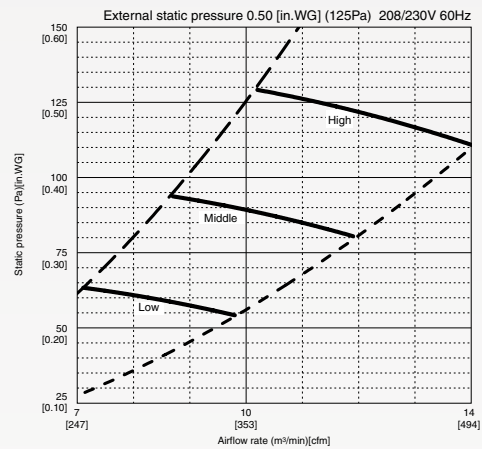
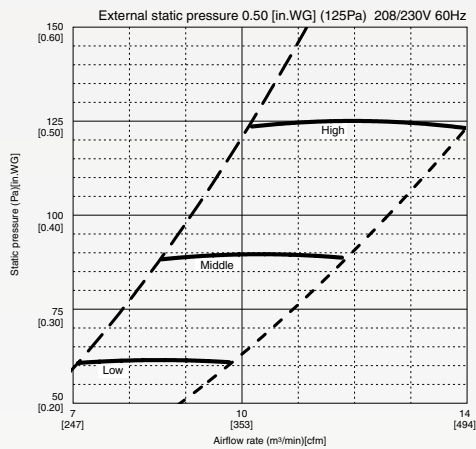
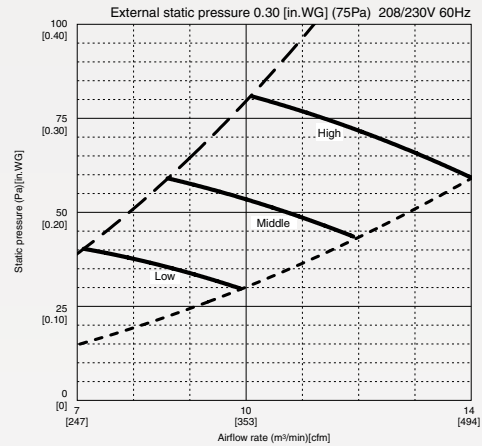
MVZ MULTI-POSITION PERFORMANCE CURVES

MVZ-A12AA4

• Vertical, Horizontal Right, Horizontal Left



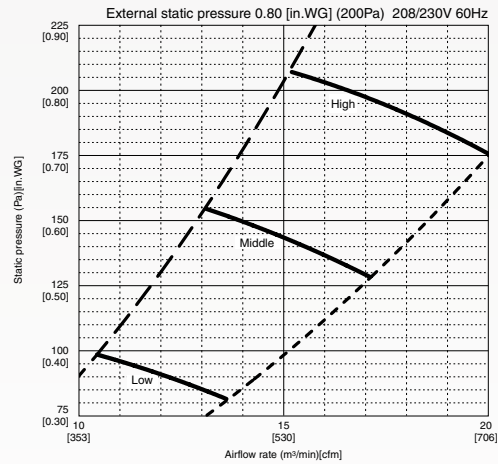
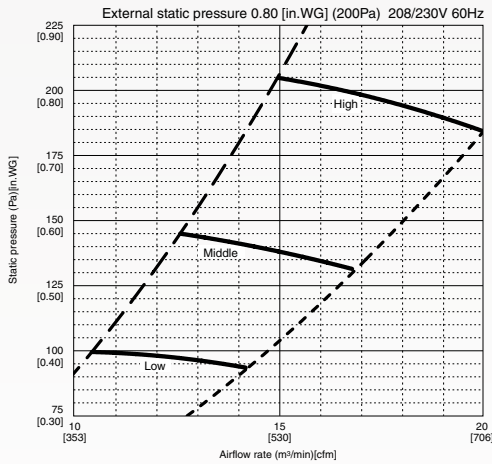
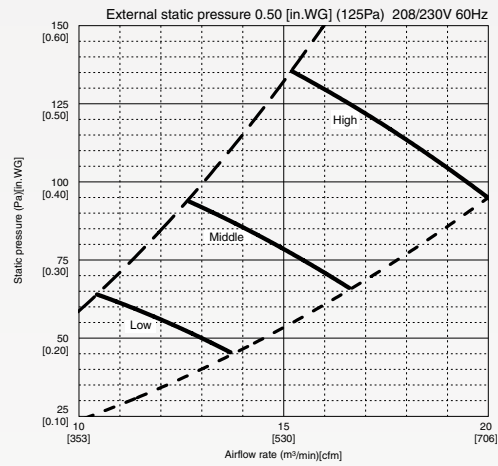
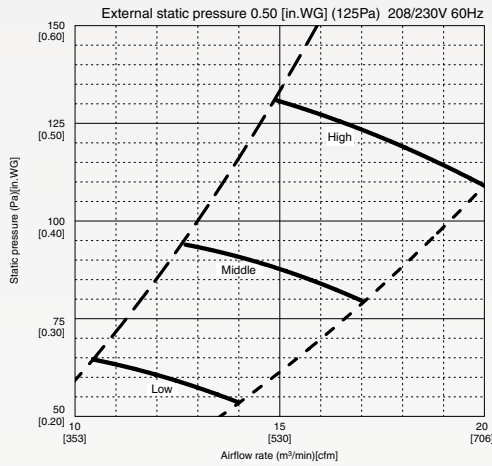
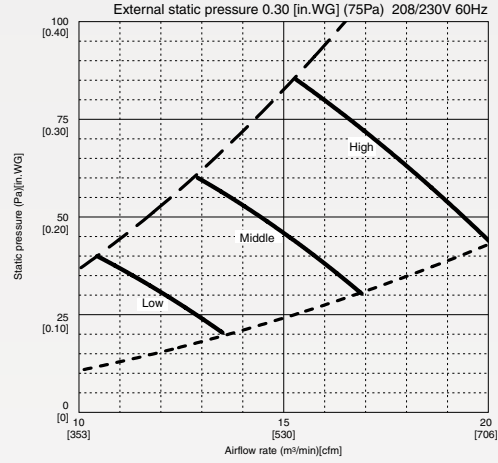
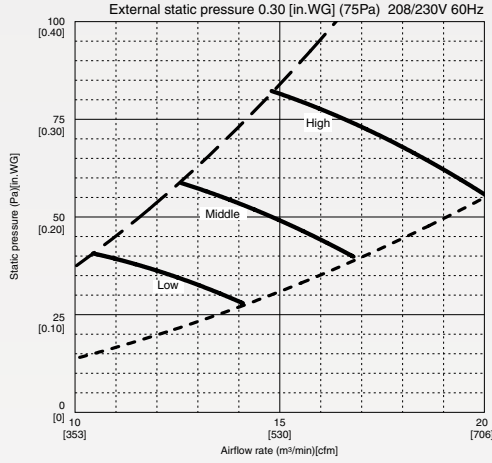
• Downflow



MVZ MULTI-POSITION PERFORMANCE CURVES

MVZ-A18AA4

- Vertical, Horizontal Right, Horizontal Left
- Downflow

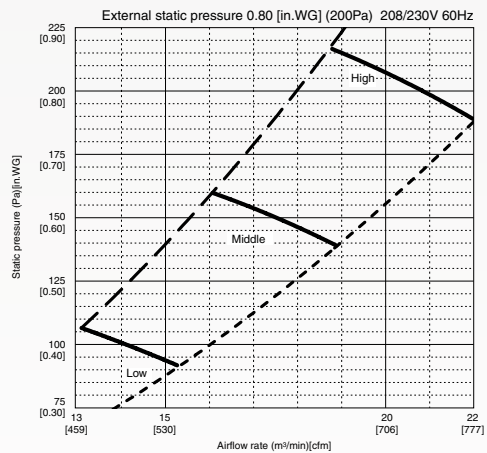
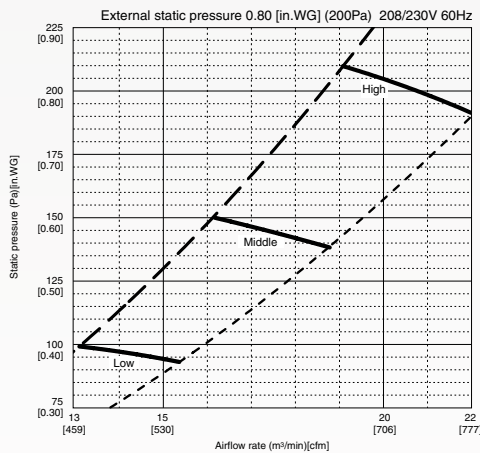
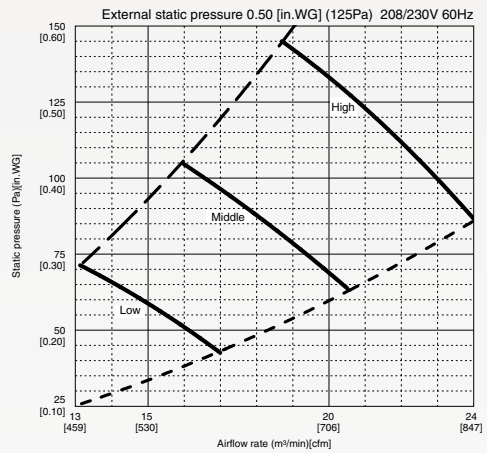
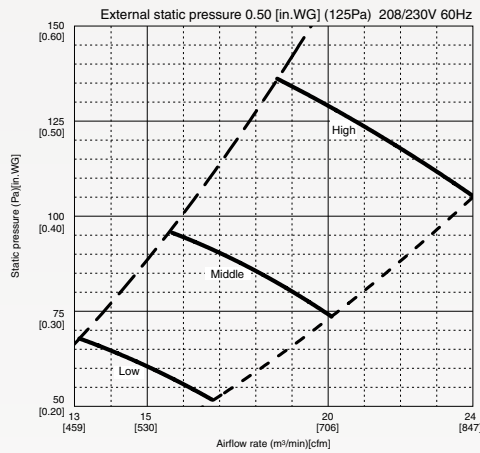
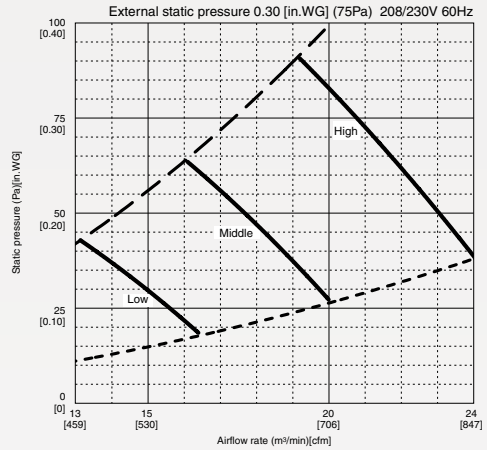
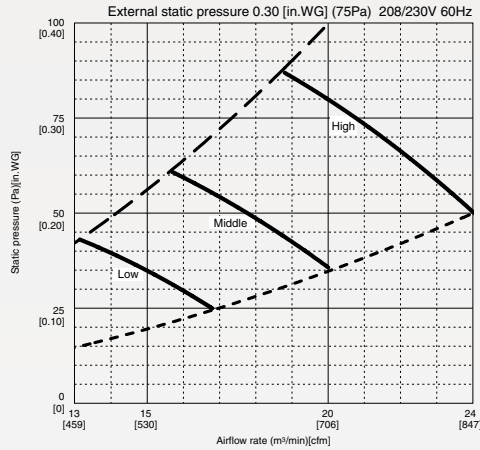


MVZ MULTI-POSITION PERFORMANCE CURVES

MVZ-A24AA4

• Vertical, Horizontal Right, Horizontal Left

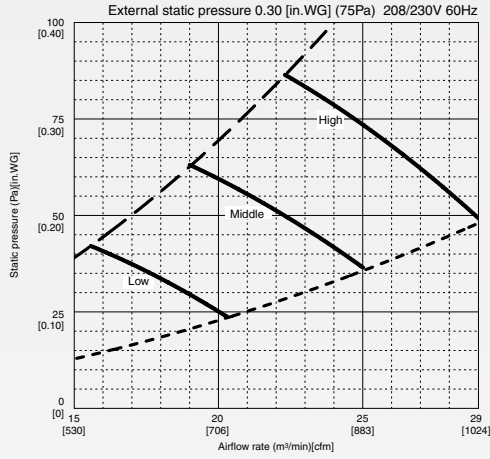
• Downflow



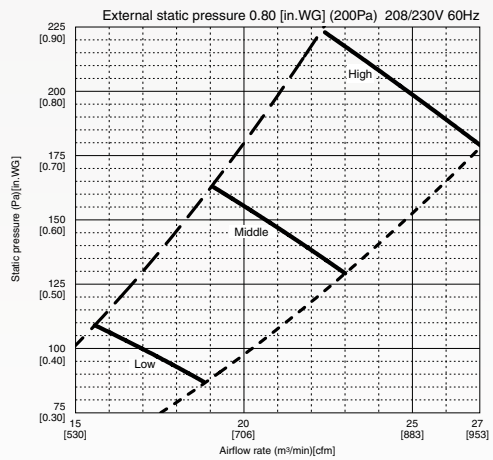
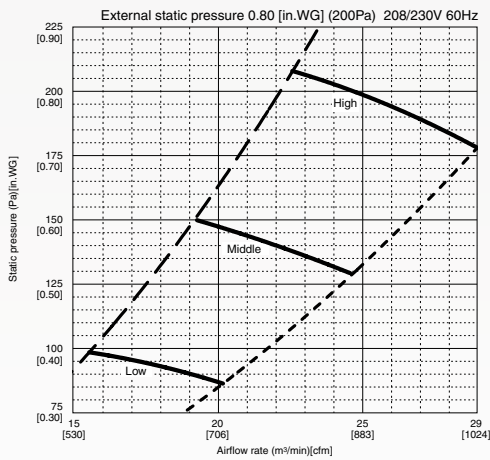
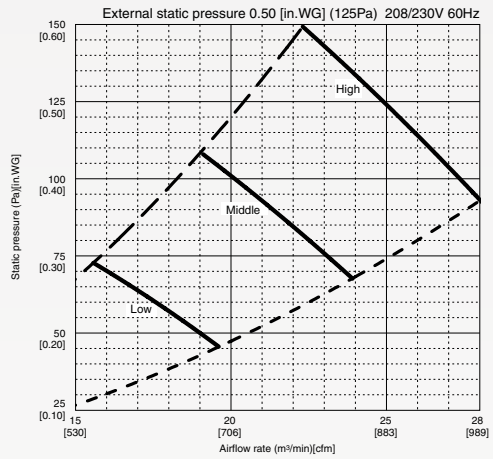
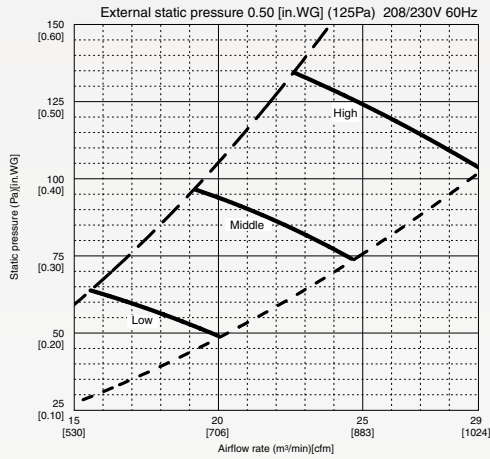
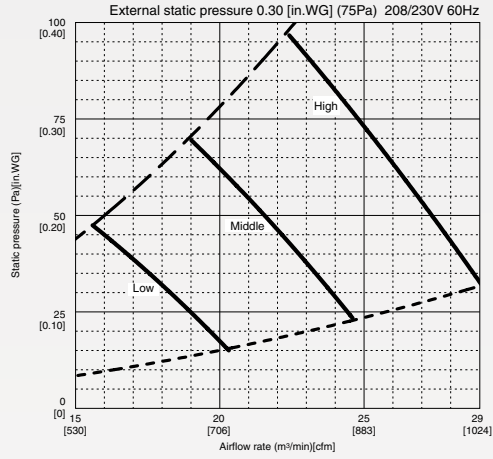
MVZ MULTI-POSITION PERFORMANCE CURVES

MVZ-A30AA4

• Vertical, Horizontal Right, Horizontal Left



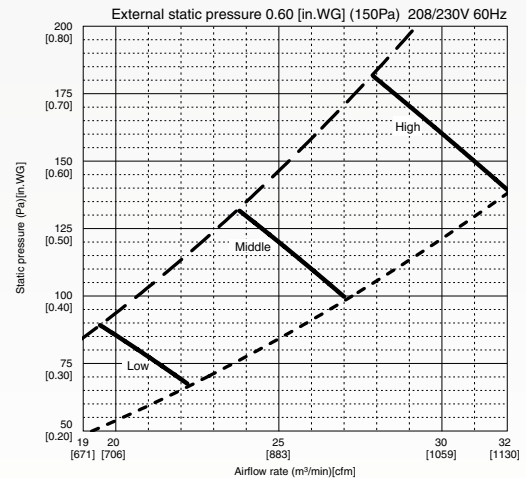
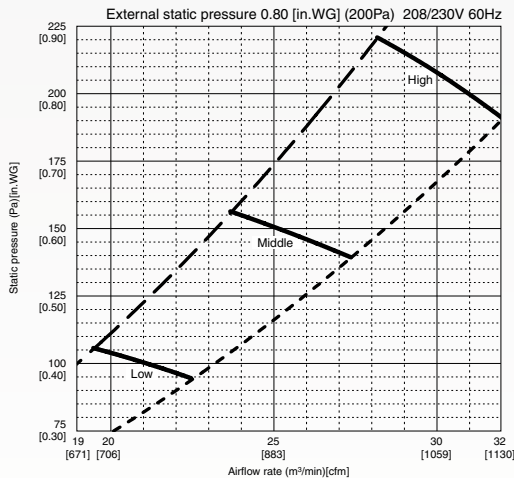
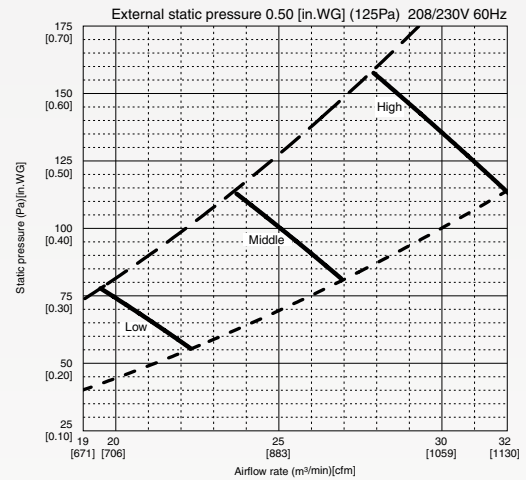
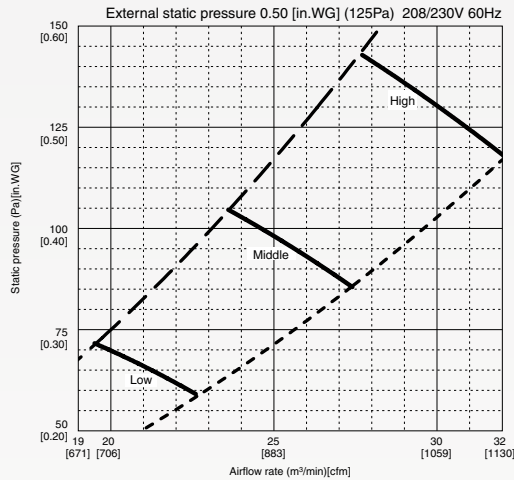
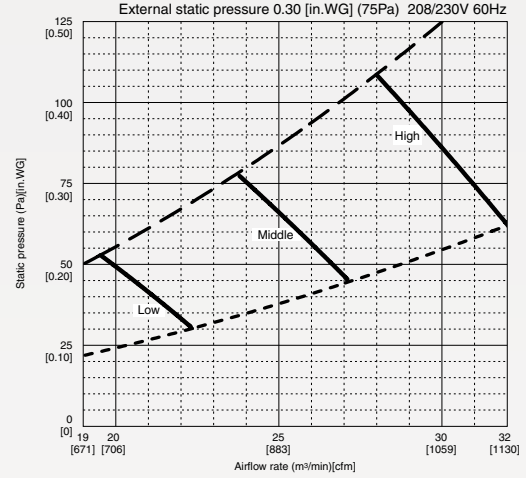
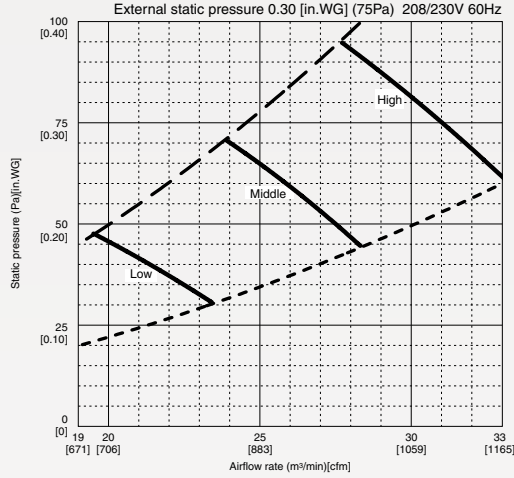
• Downflow



MVZ MULTI-POSITION PERFORMANCE CURVES

MVZ-A36AA4

- Vertical, Horizontal Right, Horizontal Left
- Downflow



MFZ Floor-mounted Indoor Unit | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		MFZ-KA09NA	MFZ-KA12NA	MFZ-KA18NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	18,000
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	14,400	21,600
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3		
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V		
	Indoor - Outdoor S2 - S3		DC ±24V		
	MCA	A	1		
Fan	Airflow at Cooling/Heating (Lo-Med-Hi)	DRY (CFM)	169-205-251-314	177-215-261-321	251-279-325-394
		WET (CFM)	163-197-241-303	170-207-252-309	241-269-313-379
	Airflow at Heating (Lo-Med-Hi-Super Hi) *2	(CFM)	177-198-219-332	184-201-219-335	261-275-297-434
Sound Pressure Level at Cooling (Lo-Med-Hi-Super Hi) *1		dB(A)	25-30-35-40	26-31-36-41	35-38-42-46
Sound Pressure Level at Heating (Lo-Med-Hi-Super Hi) *2		dB(A)	25-30-35-40	28-31-36-41	35-38-42-47
External Finish Color		Munsell No. 1.0Y 9.2/0.2			
Dimension Unit	W: In.		27-9/16		
	D: In.		7-7/8		
	H: In.		23-5/8		
Weight Unit	Lbs.		32		
Field Drainpipe Size O.D.	In.		5/8		
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers		
Refrigerant	Type		R410A		
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2
	Liquid Side O.D.	In.	1/4		
Connection Method	Indoor/Outdoor		Flared/Flared		

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (26.7° C), W.B. 67° F (19.4° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (23.9° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21.1° C), W.B. 60° F (15.6° C); Outdoor: D.B. 47° F (8.3° C), W.B. 43° F (6.1° C).

*3. Indoor units receive power from outdoor units through field supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

Presently, there is no 1:1 system with the MFZ indoor unit.

SLZ Ceiling-recessed Indoor Unit | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)



Model Name	Indoor Unit		SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA
Cooling *1	Rated Capacity	Btu/h	8,400	11,100	15,000
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3		
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V		
	Indoor - Outdoor S2 - S3		DC ±24V		
	MCA	A	1		
Fan	Fan Motor (ECM)	F.L.A.	0.23	0.28	0.28
	Airflow at Cooling/ Heating (Lo-Med-Hi)	DRY (CFM)	280-320-350	280-320-390	280-320-390
		WET (CFM)	250-290-320	250-290-350	250-290-350
Sound Pressure Level (Lo-Med-Hi) *2		dB(A)	29-32-38	30-34-39	31-35-40
External Finish Color		Unit/Grille	Galvanized-steel Sheets/Munsell 6.4Y 8.9 / 0.4		
Dimension Unit (Grille)	W: In.		22-7/16 (25-5/8)		
	D: In.		22-7/16 (25-5/8)		
	H: In.		9-1/4 (13/16)		
Weight Unit (Grille)		Lbs.	36 (7)		
Drain-lift Mechanism (Included)		H: In.	19-11/16		
Field Drainpipe Size O.D.		In.	1-1/4		
Remote Controller		Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers		
Refrigerant	Type		R410		
Refrigerant Pipe	Gas Side O.D.	In.	3/8	1/2	
	Liquid Side O.D.	In.	1/4		
Connection Method	Indoor/Outdoor		Flared/Flared		
Connection Method	Indoor/Outdoor		Flared/Flared		

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (26.7° C), W.B. 67° F (19.4° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (23.9° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21.1° C), W.B. 60° F (15.6° C); Outdoor: D.B. 47° F (8.3° C), W.B. 43° F (6.1° C).

*3. Indoor units receive power from outdoor units through field supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

ADDITIONAL M-SERIES INFORMATION

PORT ADAPTERS PART NUMBERS

MAC-A454JP-E	3/8" x 1/2"
MAC-A455JP-E	1/2" x 3/8"
MAC-A456JP-E	1/2" x 5/8"
PAC-SG76RJ-E	3/8" x 5/8"
PAC-493PL	1/4" x 3/8"

PORT	GAS	LIQUID
MXZ-2B20NA-1		
A; B	3/8"	1/4"
MXZ-3C24NA		
A	1/2"	1/4"
B; C	3/8"	1/4"
MXZ-3C30NA		
A	1/2"	1/4"
B; C	3/8"	1/4"
MXZ-4C36NA		
A	1/2"	1/4"
B; C; D	3/8"	1/4"
MXZ-5C42NA		
A	1/2"	1/4"
B; C; D; E	3/8"	1/4"
MXZ-2C20NAHZ		
A; B	3/8"	1/4"
MXZ-3C24NAHZ		
A	1/2"	1/4"
B; C	3/8"	1/4"
MXZ-3C30NAHZ		
A	1/2"	1/4"
B; C	3/8"	1/4"

THE FOLLOWING MXZ UNITS MUST UTILIZE AT LEAST ONE BRANCH BOX

MXZ-8C48NA
MXZ-4C36NAHZ
MXZ-5C42NAHZ
MXZ-8C48NAHZ

BRANCH BOXES

PORT	GAS	LIQUID
PAC-MKA30BC [3-Port]		
A; B; C	3/8"	1/4"
PAC-MKA50BC [5-Port]		
A; B; C; D	3/8"	1/4"
E	1/2"	1/4"

Notes for application:

- * Check the lineset sizes for your indoor selected models.
- * Select the branch box or boxes needed for your application.
- * Compare indoor unit lineset sizes to branch box or outdoor unit port sizes.
- * Connect 15K + indoor units to the larger 1/2" port on the PAC-MKA50BC branch box or outdoor unit.
- * Adapt lineset size with appropriate port adapter from above list.
- * When using the PLA-A24BA6, PEAD-A24AA5, PEAD-A30AA5, PEAD-A36AA5, MSZ-GL24NA two port adapters will be needed
1-MAC-A456JP-E (1/2" x 5/8") or 1-PAC-SG76RJ-E (3/8" x 5/8") and 1 - PAC-493PI (1/4" x 3/8").

PORT ADAPTER GUIDE

AVAILABLE INDOOR UNITS	LINE SET SIZE
MSZ Wall-mounted	
MSZ-GL06NA-U1	3/8" gas x 1/4" liquid
MSZ-GL09NA-U1	3/8" gas x 1/4" liquid
MSZ-GL12NA-U1	3/8" gas x 1/4" liquid
MSZ-GL15NA-U1	1/2" gas x 1/4" liquid
MSZ-GL18NA-U1	1/2" gas x 1/4" liquid
MSZ-GL24NA-U1	5/8" gas x 3/8" liquid
MSZ-FH06NA	3/8" gas x 1/4" liquid
MSZ-FH09NA	3/8" gas x 1/4" liquid
MSZ-FH12NA	3/8" gas x 1/4" liquid
MSZ-FH15NA	3/8" gas x 1/4" liquid
MSZ-FH18NA2	1/2" gas x 1/4" liquid
MFZ Floor-standing	
MFZ-KA09NA	3/8" gas x 1/4" liquid
MFZ-KA12NA	3/8" gas x 1/4" liquid
MFZ-KA18NA	1/2" gas x 1/4" liquid
MVZ Multi-position	
MVZ-A12AA4	1/2" gas x 1/4" liquid
MVZ-A18AA4	1/2" gas x 1/4" liquid
MVZ-A24AA4	5/8" gas x 3/8" liquid
MVZ-A30AA4	5/8" gas x 3/8" liquid
MVZ-A36AA4	5/8" gas x 3/8" liquid
PLA Ceiling-recessed	
PLA-A12BA6	1/2" gas x 1/4" liquid
PLA-A18BA6	1/2" gas x 1/4" liquid
PLA-A24BA6	5/8" gas x 3/8" liquid
PLA-A30BA6	5/8" gas x 3/8" liquid
PLA-A36BA6	5/8" gas x 3/8" liquid
PCA Ceiling-suspended	
PCA-A24KA6	5/8" gas x 3/8" liquid
SLZ Ceiling-recessed	
SLZ-KA09NA	3/8" gas x 1/4" liquid
SLZ-KA12NA	3/8" gas x 1/4" liquid
SLZ-KA15NA	1/2" gas x 1/4" liquid
SEZ/PEAD Horizontal-ducted	
SEZ-KD09NA4	3/8" gas x 1/4" liquid
SEZ-KD12NA4	3/8" gas x 1/4" liquid
SEZ-KD15NA4	1/2" gas x 1/4" liquid
SEZ-KD18NA4	1/2" gas x 1/4" liquid
PEAD-A24AA5	5/8" gas x 3/8" liquid
PEAD-A30AA5	5/8" gas x 3/8" liquid
PEAD-A36AA5	5/8" gas x 3/8" liquid

M-SERIES OPERATING CONDITIONS

		INDOOR INTAKE AIR TEMPERATURE	
		MODELS	CONDITIONS
Cooling	Maximum	SUZ	95° F D.B., 71° F W.B.
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-2C20/3C24/3C30NAHZ	90° F D.B., 73° F W.B.
		MUZ/Y-GL/D	
		MUZ-FH	
	MXZ-8C48NA		
	MXZ-4C36/5C42/8C48NAHZ		
	Minimum	MUZ/Y-GL/D	67° F D.B., 57° F W.B.
		MUZ-FH	
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-2C20/3C24/3C30NAHZ	
		MXZ-8C48NA	
MXZ-4C36/5C42/8C48NAHZ			

M-SERIES OPERATING CONDITIONS (CONT.)

		INDOOR INTAKE AIR TEMPERATURE	
		MODELS	CONDITIONS
Heating	Maximum	MUZ/Y-GL/D	80° F D.B., 67° F W.B.
		MUZ-FH	
		SUZ	
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-8C48NA	
		MXZ-2C20/3C24/3C30NAHZ	
	MXZ-4C36/5C42/8C48NAHZ		
	Minimum	MUZ-GL/D	70° F D.B., 60° F W.B.
		MUZ-FH	
		SUZ	
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-8C48NA	
MXZ-2C20/3C24/3C30NAHZ			
MXZ-4C36/5C42/8C48NAHZ			

		OUTDOOR INTAKE AIR TEMPERATURE	
		MODELS	CONDITIONS
Cooling	Maximum	MUZ/Y-GL/D	115° F D.B.
		MUZ-FH	
		SUZ	
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-8C48NA	
		MXZ-2C20/3C24/3C30NAHZ	
	MXZ-4C36/5C42/8C48NAHZ		
	Minimum	MUZ/Y-GL/D	23° F D.B.
		MUZ-FH	14° F D.B.
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-2C20/3C24/3C30NAHZ	
		MXZ-8C48NA	
MXZ-4C36/5C42/8C48NAHZ			
Heating	Maximum	MUZ/Y-GL/D	75° F D.B., 65° F W.B.
		MUZ-FH	
		SUZ	
		MXZ-2B20NA-1	
		MXZ-3C24/3C30/4C36/5C42NA	
		MXZ-8C48NA	
		MXZ-2C20/3C24/3C30NAHZ	
	MXZ-4C36/5C42/8C48NAHZ	70° F D.B., 59° F W.B.	
	Minimum	"MUZ-GL/D	-13° F D.B., -14° F W.B.
		MXZ-2C20/3C24/3C30NAHZ	-12° F D.B., -13° F W.B.
		MXZ-4C36/5C42/8C48NAHZ	-13° F W.B.
		MXZ-8C48NA	-4° F W.B.
		MUZ/Y-GL/D	-4° F D.B., -5° F W.B.
		SUZ	14° F D.B., 13° F W.B.
MUZ/Y-D			
MXZ-2B20NA-1			
MXZ-3C24/3C30/4C36/5C42NA	6° F D.B., 5° F W.B.		

REFRIGERANT LINE LENGTH FLARE/FLARE

Indoor Unit	Outdoor Unit	Length in Feet	Vertical Separation in Feet
MSZ-FH09NA	MUZ-FH09NA	65	40
MSZ-FH12NA	MUZ-FH12NA	65	40
MSZ-FH15NA	MUZ-FH15NA	100	50
MSZ-FH18NA	MUZ-FH18NA	100	50
MSY-GE09NA-9	MUY-GE09NA2	65	40
MSY-GE12NA-9	MUY-GE12NA2	65	40
MSY-GE15NA-9	MUY-GE15NA2	65	40
MSY-GE18NA-9	MUY-GE18NA-1	100	50
MSY-GE24NA	MUY-GE24NA	100	50
MSZ-GE09NA-9	MUZ-GE09NA2	65	40
MSZ-GE12NA-9	MUZ-GE12NA2	65	40
MSZ-GE15NA-9	MUZ-GE15NA2	65	40
MSZ-GE18NA-9	MUZ-GE18NA-1	100	50
MSZ-GE24NA	MUZ-GE24NA	100	50
MSY-D30NA-8	MUY-D30NA-1	100	50
MSY-D36NA-8	MUY-D36NA-1	100	50
MSZ-D30NA-8	MUZ-D30NA-1	100	50
MSZ-D36NA-8	MUZ-D36NA-1	100	50
MSZ-FE09NA-8	MUZ-FE09NA-1	65	40
MSZ-FE12NA-8	MUZ-FE12NA-1	65	40
MSZ-FE18NA	MUZ-FE18NA	100	50
SEZ-KD09NA4	SUZ-KA09NA	65	40
SEZ-KD12NA4	SUZ-KA12NA	65	40
SEZ-KD15NA4	SUZ-KA15NA	65	40
SEZ-KD18NA4	SUZ-KA18NA	100	50
SLZ-KA09NA	SUZ-KA09NA	65	40
SLZ-KA12NA	SUZ-KA12NA	65	40
SLZ-KA15NA	SUZ-KA15NA	65	40
MSZ-GE/FH; MFZ; SEZ; SLZ	MXZ-2B20NA-1	164	49*/33
MSZ-GE/FH MFZ MVZ SEZ SLZ	MXZ-3C24NA	230	49
	MXZ-3C30NA	230	49
	MXZ-4C36NA	230	49
	MXZ-5C42NA	262	49
	MXZ-8C48NA	492	131*/164
	MXZ-2C20NAHZ	164	49
	MXZ-3C24NAHZ	230	49
	MXZ-3C30NAHZ	230	49
	MXZ-4C36NAHZ	492	131*/164
MXZ-5C42NAHZ	492	131*/164	
MXZ-8C48NAHZ	492	131*/164	

*49' and 131' applies to installations where the outdoor unit is installed below the indoor unit.

M-SERIES COOLING CAPACITY CORRECTION FACTOR

Model	Refrigerant Piping Length (One Way)			
	25 Ft (Std)	40 Ft	65 Ft	100 Ft
MUZ-GE09NA2	Capacity x 1.0	Capacity x 0.954	Capacity x 0.878	-
MUZ-GE12NA2				
MUZ-GE15NA2				
MUZ-GE18NA-1	Capacity x 1.0	Capacity x 0.954	Capacity x 0.878	Capacity x 0.771
MUZ-GE24NA				
MUZ-D30NA-1	Capacity x 1.0	Capacity x 0.95	Capacity x 0.878	Capacity x 0.713
MUZ-D36NA-1				
MUY-GE09NA2	Capacity x 1.0	Capacity x 0.954	Capacity x 0.878	-
MUY-GE12NA2				
MUY-GE15NA2				
MUY-GE18NA-1	Capacity x 1.0	Capacity x 0.954	Capacity x 0.878	Capacity x 0.771
MUY-GE24NA				
MUY-D30NA-1	Capacity x 1.0	Capacity x 0.95	Capacity x 0.878	Capacity x 0.713
MUY-D36NA-1				
MUZ-FE09NA-1	Capacity x 1.0	Capacity x 0.945	Capacity x 0.878	-
MUZ-FE12NA-1				
MUZ-FE18NA	Capacity x 1.0	Capacity x 0.945	Capacity x 0.878	Capacity x 0.771
MUZ-FH09NA	Capacity x 1.0	Capacity x 0.945	Capacity x 0.878	-
MUZ-FH12NA				
MUZ-FH15NA	Capacity x 1.0	Capacity x 0.945	Capacity x 0.878	Capacity x 0.771
MUZ-FH18NA				
SUZ-KA09NA	Capacity x 1.0	Capacity x 0.954	Capacity x 0.878	-
SUZ-KA12NA				
SUZ-KA15NA				
SUZ-KA18NA				

M-SERIES SIZING

It is very important that all contractors follow proper procedure and size units based on a Manual J calculation. A load calculation takes into account all the factors that cause the building to lose heat in the winter and gain heat in the summer. Some of the factors taken into consideration are exposed walls, insulation, windows, doors, and even the direction the building faces.

INVERTER-driven technology has changed the way heat pumps are used. Because the inverter can vary the capacity of the system, we can now size units based on the largest load, which in many cases may be the heat load. When single speed compressors are sized on heat load and changed over to cooling, the units can be grossly over-sized. The result is very little dehumidification and comfort problems.

Using charts like the ones below from the technical service manual, you can check the equipment capacity at the design temperatures for heating and cooling. If these values fall within both the heating and cooling capacity ranges of the system, you can select that system with confidence.

M-SERIES AIR OUTLET COVERAGE RANGE*

Model	Mode	Function	Airflow (CFM)	Coverage (FT)
MSZ/Y-GE06NA-9 MSZ/Y-GE09NA-9 MSZ/Y-GE12NA-9	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ/Y-GE15NA-9	HEAT	DRY	463	33.5
	COOL	WET	385	28.0
MSZ/Y-GE18NA-9	HEAT	DRY	512	36.9
	COOL	WET	385	28.0
MSZ/Y-GE24NA	HEAT	DRY	738	36.9
	COOL	WET	661	33.2
MSZ/Y-D30NA-8 MSZ/Y-D36NA-8	HEAT	DRY	848	45.0
	COOL	WET	763	40.7
MSZ-FE09NA-8	HEAT	DRY	381	27.7
	COOL	WET	307	22.4
MSZ-FE12NA-8	HEAT	DRY	420	30.4
	COOL	WET	350	25.4
MSZ-FE18NA	HEAT	DRY	738	36.9
	COOL	WET	661	33.2
MSZ-FH09NA	HEAT	DRY	437	29.8
	COOL	WET	328	22.5
MSZ-FH12NA	HEAT	DRY	454	31.0
	COOL	WET	342	23.5
MSZ-FH15NA	HEAT	DRY	497	33.8
	COOL	WET	354	24.1
MSZ-FH18NA	HEAT	DRY	514	23.0
	COOL	WET	376	16.7
MFZ-KA09NA	HEAT	DRY	332	15.4
	COOL	WET	303	14.2
MFZ-KA12NA	HEAT	DRY	335	15.6
	COOL	WET	309	14.5
MFZ-KA18NA	HEAT	DRY	434	20.0
	COOL	WET	379	17.5
SLZ-KA09NA	HEAT	DRY	350	12.1
	COOL	WET	320	1.1
SLZ-KA12NA	HEAT	DRY	390	13.5
	COOL	WET	350	12.1
SLZ-KA15NA	HEAT	DRY	390	13.5
	COOL	WET	350	12.1

*Air coverage represents the distance with one ft/sec air speed when blowing out horizontally from the unit operating at the High fan speed. This is only a general guideline; actual coverage depends on size and layout of the room.

MULTI-ZONE EFFICIENCY RATINGS

Model	Configuration	SEER	HSPF
MXZ-2B20NA-1	Non-Ducted	18.00	8.90
	Mixed	16.75	8.70
	Ducted	15.50	8.50
MXZ-3C24NA	Non-Ducted	20.00	9.80
	Mixed	18.00	9.50
	Ducted	16.00	9.20
MXZ-3C30NA	Non-Ducted	19.00	10.60
	Mixed	17.60	10.10
	Ducted	16.20	9.60
MXZ-4C36NA	Non-Ducted	19.20	11.00
	Mixed	16.00	10.40
	Ducted	17.45	9.80
MXZ-5C42NA	Non-Ducted	19.70	10.30
	Mixed	17.45	9.70
	Ducted	15.20	9.10
MXZ-8C48NA	Non-Ducted	18.90	11.40
	Mixed	16.80	10.75
	Ducted	14.70	10.10
MXZ-2C20NAHZ	Non-Ducted	17.00	9.80
	Mixed	16.00	9.65
	Ducted	15.00	9.50
MXZ-3C24NAHZ	Non-Ducted	19.00	10.00
	Mixed	17.25	9.50
	Ducted	15.50	9.00
MXZ-3C30NAHZ	Non-Ducted	18.00	11.00
	Mixed	17.00	10.70
	Ducted	16.00	9.80
MXZ-4C36NAHZ	Non-Ducted	19.10	11.30
	Mixed	17.45	10.70
	Ducted	15.80	10.70
MXZ-5C42NAHZ	Non-Ducted	19.00	11.00
	Mixed	17.00	10.55
	Ducted	15.00	10.10
MXZ-8C48NAHZ	Non-Ducted	18.90	11.00
	Mixed	16.80	10.50
	Ducted	14.70	10.00

M-Series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

MSZ AND MUZ-FH COOLING CAPACITY

COOLING CAPACITY																
Model	Indoor Air	Outdoor Intake air D.B. Temperature (° F)														
	IWB (° F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-FH06NA	71	7.4	6.1	0.28	6.9	5.7	0.31	6.5	5.3	0.33	6	5	0.35	5.5	4.6	0.36
	67	7	6.7	0.26	6.5	6.2	0.29	6	5.8	0.32	5.6	5.4	0.33	5.1	4.9	0.35
	63	6.5	7.2	0.25	6.1	6.6	0.28	5.6	6.2	0.3	5.1	5.6	0.32	4.7	5.1	0.33
MUZ-FH09NA-1	71	11	8.7	0.5	10.3	8.1	0.55	9.7	7.6	0.59	9	7.1	0.62	8.3	6.5	0.64
	67	10.4	9.6	0.47	9.7	8.9	0.52	9	8.3	0.56	8.4	7.7	0.59	7.7	7.1	0.62
	63	9.8	10.3	0.45	9.1	9.6	0.5	8.5	8.9	0.53	7.7	8.1	0.57	7	7.4	0.59
MUZ-FH12NA-1	71	14.7	10.2	0.77	13.7	9.6	0.85	12.9	9	0.91	12	8.4	0.96	11	7.7	1
	67	13.9	11.6	0.73	13	10.8	0.8	12	10	0.87	11.2	9.3	0.92	10.3	8.5	0.97
	63	13.1	12.6	0.7	12.1	11.7	0.77	11.3	10.9	0.83	10.3	9.9	0.89	9.4	9	0.92
MUZ-FH15NA	71	18.4	10.4	1.07	17.2	9.7	1.17	16.1	9.1	1.26	15	8.5	1.33	13.8	7.8	1.38
	67	17.4	12.2	1.01	16.2	11.3	1.11	15	10.5	1.2	14	9.8	1.27	12.8	9	1.33
	63	16.4	13.6	0.96	15.2	12.6	1.06	14.1	11.8	1.15	12.8	10.7	1.22	11.7	9.8	1.27
MUZ-FH18NA2	71	21.1	11.3	1.22	19.7	10.6	1.34	18.5	9.9	1.44	17.2	9.2	1.52	15.8	8.5	1.58
	67	20	13.4	1.16	18.6	12.4	1.27	17.2	11.5	1.38	16	10.7	1.46	14.7	9.9	1.53
	63	18.7	15.1	1.1	17.4	14	1.22	16.2	13	1.31	14.7	11.8	1.4	13.4	10.8	1.46

NOTE: 1. IWB: Intake air wet-bulb temperature
 SHC: Sensible Heat Capacity (x103 Btu/h)
 TC: Total Capacity (x103 Btu/h)
 TPC: Total Power Consumption (kW)
 2. SHC is based on 80° F of indoor Intake air DB temperature.

MSZ AND MUZ-FH HEATING CAPACITY

HEATING CAPACITY															
Model	Indoor Air	Outdoor Intake air D.B. Temperature (° F)													
	IDB (° F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-FH06NA	75	7.4	0.32	5	0.41	6.3	0.48	7.5	0.53	8.5	0.56	8.7	0.57	9.9	0.59
	70	7	0.31	5.4	0.39	6.5	0.47	7.7	0.52	8.7	0.55	9	0.56	10.1	0.58
	65	6.5	0.29	5.5	0.38	6.8	0.45	8	0.5	9	0.53	9.2	0.54	10.4	0.57
MUZ-FH09NA-1	75	11	0.42	6.3	0.53	7.9	0.62	9.4	0.69	10.6	0.73	11	0.74	12.4	0.77
	70	10.4	0.4	6.7	0.51	8.2	0.61	9.6	0.67	10.9	0.71	11.2	0.72	12.7	0.75
	65	9.8	0.38	6.9	0.49	8.6	0.59	10	0.66	11.2	0.69	11.6	0.7	13	0.74
MUZ-FH12NA-1	75	14.7	0.56	7.9	0.71	9.9	0.83	11.8	0.93	13.3	0.97	13.7	0.99	15.5	1.03
	70	13.9	0.54	8.4	0.68	10.2	0.81	12	0.9	13.6	0.95	14	0.97	15.8	1.01
	65	13.1	0.51	8.6	0.66	10.7	0.78	12.4	0.88	14	0.93	14.4	0.94	16.2	0.99
MUZ-FH15NA	75	18.4	0.77	10.4	0.97	13.1	1.14	15.6	1.27	17.6	1.33	18.1	1.35	20.5	1.4
	70	17.4	0.73	11.1	0.94	13.5	1.11	15.9	1.24	18	1.3	18.5	1.33	21	1.38
	65	16.4	0.7	11.3	0.9	14.1	1.07	16.5	1.2	18.5	1.27	19.1	1.29	21.4	1.35
MUZ-FH18NA2	75	21.1	1.01	11.8	1.28	14.7	1.51	17.6	1.68	19.8	1.76	20.4	1.79	23.1	1.86
	70	20	0.97	12.5	1.24	15.2	1.47	18	1.63	20.3	1.72	20.9	1.75	23.6	1.82
	65	18.7	0.93	12.8	1.19	15.9	1.42	18.6	1.59	20.9	1.68	21.5	1.7	24.2	1.79

NOTE: 1. IDB: Intake air dry-bulb temperature
 TC: Total Capacity (x103 Btu/h)
 TPC : Total Power Consumption (kW)
 2. Above data is for heating operation without any frost.

NOTES

CITYMULTI®

Variable Refrigerant Flow



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