M-Series and P-Series

Pocket Reference Guide

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

mitsubishipro.com
mylinkdrive.com
mitsubishicomfort.com

Make Yourself
Comfortable.™

![Mitsubishi Electric — Heating & Air Conditioning]

Pre-visit Checklist

✓	Verify appointment
✓	Call 30 minutes before you arrive
✓	Verify equipment in stock at distributor
✓	Credit application/financing options
✓	Local rebate information
✓	Bring this booklet along so you have product and contact information handy

Customer Care: **800-433-4822**
www.MyLinkDrive.com

Advanced Technology. Superior Comfort.

Split-zoning is the most popular type of air-conditioning technology in the world. Mitsubishi Electric takes split-zoning to a new level—our cooling and heating systems deliver year-round personal comfort even in the harshest of climates.

Mitsubishi Electric single-zone and multi-split systems also feature:

- Exceptional cooling and heating performance
- Automatic cool/heat changeover
- Maximum energy efficiency with higher SEER and HSPF ratings
- Easy installation
- Industry standard R410A refrigerant
- Convenient temperature, fan, and airflow control
- Advanced filtration to help provide high air quality
- Whisper-quiet operation

Leading the way in sustainability
M-Series components are up to 83% recyclable

ENERGY STAR® Certified Models

Cooling Only	
MSY-GL09NA-U1 & MUY-GL09NA-U2	MSY-GL18NA-U1 & MUY-GL18NA-U1
MSY-GL12NA-U1 & MUY-GL12NA-U2	MSY-GL24NA-U1 & MUY-GL24NA-U1
MSY-GL15NA-U1 & MUY-GL15NA-U2	

Heat Pump	
MSZ-GL09NA & MUZ-GL09NA	PEAD-A15AA7 & SUZ-KA15NA2
MSZ-GL12NA & MUZ-GL12NA	PEAD-A18AA7 & SUZ-KA18NA2
MSZ-GL15NA & MUZ-GL15NA	PEAD-A24AA7 & SUZ-KA24NA2
MSZ-GL18NA & MUZ-GL18NA	PEAD-A30AA7 & SUZ-KA30NA2
MSZ-GL24NA & MUZ-GL24NA	SEZ-KD09NA4R1 & SUZ-KA09NA2
MLZ-KP09NA & SUZ-KA09NA2	SEZ-KD12NA4R1 & SUZ-KA12NA2
MLZ-KP12NA & SUZ-KA12NA2	SEZ-KD15NA4R1 & SUZ-KA15NA2
MLZ-KP18NA & SUZ-KA18NA2	SEZ-KD18NA4R1 & SUZ-KA18NA2
SLZ-KF09NA & SUZ-KA09NA2	SVZ-KP12NA & SUZ-KA12NA2
SLZ-KF12NA & SUZ-KA12NA2	SVZ-KP18NA & SUZ-KA18NA2
SLZ-KF18NA & SUZ-KA18NA2	SVZ-KP24NA & SUZ-KA24NA2
PEAD-A09AA7 & SUZ-KA09NA2	SVZ-KP30NA & SUZ-KA30NA2
PEAD-A12AA7 & SUZ-KA12NA2	

Hyper-Heating INVERTER®	
MSZ-FS06NA & MUZ-FS06NA(H)	SLZ-KF18NA & SUZ-KA18NAHZ
MSZ-FS09NA & MUZ-FS09NA(H)	PEAD-A09AA7 & SUZ-KA09NAHZ
MSZ-FS12NA & MUZ-FS12NA(H)	PEAD-A12AA7 & SUZ-KA12NAHZ
MSZ-FS15NA & MUZ-FS15NA(H)	PEAD-A15AA7 & SUZ-KA15NAHZ
MSZ-FS18NA & MUZ-FS18NA(H)	PEAD-A18AA7 & SUZ-KA18NAHZ
MFZ-KJ09NA & MUFZ-KJ09NAHZ	PEAD-A30AA7 & SUZ-KA30NAHZ
MFZ-KJ12NA & MUFZ-KJ12NAHZ	PEAD-A36AA7 & SUZ-KA36NAHZ
MFZ-KJ15NA & MUFZ-KJ15NAHZ	SEZ-KD09NA4R1 & SUZ-KA09NAHZ
MFZ-KJ18NA & MUFZ-KJ18NAHZ	SEZ-KD12NA4R1 & SUZ-KA12NAHZ
MLZ-KP09NA & SUZ-KA09NAHZ	SEZ-KD15NA4R1 & SUZ-KA15NAHZ
MLZ-KP12NA & SUZ-KA12NAHZ	SEZ-KD18NA4R1 & SUZ-KA18NAHZ
MLZ-KP18NA & SUZ-KA18NAHZ	SVZ-KP12NA & SUZ-KA12NAHZ
SLZ-KF09NA & SUZ-KA09NAHZ	SVZ-KP18NA & SUZ-KA18NAHZ
SLZ-KF12NA & SUZ-KA12NAHZ	SVZ-KP30NA & SUZ-KA30NAHZ
SLZ-KF15NA & SUZ-KA15NAHZ	

M-Series Multi-zone

MXZ-2C20NA2 w/Non-Ducted Indoor Units
MXZ-2C20NAHZ2 w/Non-Ducted Indoor Units
MXZ-2C20NAHZ2 w/Mixed Indoor Units
MXZ-3C24NA2 w/Non-Ducted Indoor Units
MXZ-3C24NA2 w/Mixed Indoor Units
MXZ-3C24NAHZ2 w/Non-Ducted Indoor Units
MXZ-3C30NAHZ2 w/Non-Ducted Indoor Units
MXZ-4C36NAHZ2 w/Non-Ducted Indoor Units
MXZ-4C36NAHZ2 w/Mixed Indoor Units
MXZ-4C36NAHZ2 w/Ducted Indoor Units
MXZ-5C42NAHZ2 w/Mixed Indoor Units
MXZ-5C42NAHZ2 w/Non-Ducted Indoor Units
MXZ-8C48NA2 w/Non-Ducted Indoor Units
MXZ-8C48NAHZ2 w/Non-Ducted Indoor Units
MXZ-8C60NA2 w/Non-Ducted Indoor Units

P-Series Single-zone

Cooling Only	
PLA-A12EA7 & PUY-A12NKA7	PEAD-A12AA7 & PUY-A12NKA7
PLA-A18EA7 & PUY-A18NKA7	

Heat Pump	
PLA-A12EA7 & PUZ-A12NKA7	PLA-A24EA7 & PUZ-A24NHA7
PLA-A18EA7 & PUZ-A18NKA7	PEAD-A12AA7 & PUZ-A12NKA7

Hyper-Heating INVERTER®	
PCA-A24KA7 & PUZ-HA24NHA1	PLA-A12EA7 & PUZ-HA24NHA1
PCA-A30KA7 & PUZ-HA30NKA	PLA-A18EA7 & PUZ-HA36NKA
PCA-A36KA7 & PUZ-HA36NKA	PEAD-A30AA7 & PUZ-HA30NKA
PKA-A24KA7 & PUZ-HA24NHA1	PEAD-A36AA7 & PUZ-HA36NKA
PKA-A30KA7 & PUZ-HA30NKA	

For tax credit details and forms
visit www.mitsubishicomfort.com/taxcredit

For details on state and utility rebates
visit www.dsireusa.org

*ENERGY STAR® certified models as of print time

Energy Star® Most Efficient 2021

Many Mitsubishi Electric systems have been awarded ENERGY STAR® Most Efficient 2021 mark. This is a new distinction that recognizes products that deliver cutting-edge energy efficiency along with the latest in technological innovation.

M-Series Certified Models*

Cooling Only	
MSY-GL09NA & MUY-GL09NA	MSY-GL18NA & MUY-GL18NA
MSY-GL12NA & MUY-GL12NA	MSY-GL24NA & MUY-GL24NA
MSY-GL15NA & MUY-GL15NA	
Heat Pump	
MSZ-GL09NA & MUZ-GL09NA	PEAD-A18AA7 & SUZ-KA18NA2
MSZ-GL12NA & MUZ-GL12NA	PEAD-A24AA7 & SUZ-KA24NA2
MSZ-GL15NA & MUZ-GL15NA	PEAD-A30AA7 & SUZ-KA30NA2
MSZ-GL18NA & MUZ-GL18NA	SEZ-KD09NA & SUZ-KA09NA2
MSZ-GL24NA & MUZ-GL24NA	SEZ-KD12NA & SUZ-KA12NA2
MLZ-KP18NA & SUZ-KA18NA2	SEZ-KD15NA & SUZ-KA15NA2
SLZ-KF09NA & SUZ-KA09NA2	SEZ-KD18NA & SUZ-KA18NA2
SLZ-KF12NA & SUZ-KA12NA2	SVZ-KP12NA & SUZ-KA12NA2
SLZ-KF18NA & SUZ-KA18NA2	SVZ-KP18NA & SUZ-KA18NA2
PEAD-A09AA7 & SUZ-KA09NA2	SVZ-KP24NA & SUZ-KA24NA2
PEAD-A12AA7 & SUZ-KA12NA2	SVZ-KP30NA & SUZ-KA30NA2
PEAD-A15AA7 & SUZ-KA15NA2	MXZ-2C20NA2 w/Non-Ducted Indoor Units
Hyper-Heating Heat Pump	
MSZ-FS06NA & MUZ-FS06NA(H)	SLZ-KF12NA & SUZ-KA12NAHZ
MSZ-FS09NA & MUZ-FS09NA(H)	PEAD-A12AA7 & SUZ-KA12NAHZ
MSZ-FS12NA & MUZ-FS12NA(H)	PEAD-A15AA7 & SUZ-KA15NAHZ
MSZ-FS15NA & MUZ-FS15NA(H)	PEAD-A18AA7 & SUZ-KA18NAHZ
MSZ-FS18NA & MUZ-FS18NA(H)	SEZ-KD12NA4 & SUZ-KA12NAHZ
MFZ-KJ09NA & MUFZ-KJ09NAHZ	SEZ-KD18NA4 & SUZ-KA18NAHZ
MFZ-KJ12NA & MUFZ-KJ12NAHZ	SVZ-KP12NA & SUZ-KA12NAHZ
MFZ-KJ15NA & MUFZ-KJ15NAHZ	SVZ-KP18NA & SUZ-KA18NAHZ
MFZ-KJ18NA & MUFZ-KJ18NAHZ	MXZ-4C36NAHZ2 w/Non-ducted Indoor Units
SLZ-KF09NA & SUZ-KA09NAHZ	MXZ-5C42NAHZ2 w/Non-ducted Indoor Units

*ENERGY STAR® certified models as of print time

These systems qualify as Most Efficient when paired with kumo cloud® 2.2 or higher.

www.energystar.gov/products/most_efficient

P-Series Certified Models*

Cooling Only
PEAD-A12AA* & PUY-A12NKA7
PVA-A12AA* & PUY-A12NKA7
PLA-A12EA* & PUY-A12NKA7
PLA-A18EA* & PUY-A18NKA7
PLA-A24EA* & PUY-A24NHA7
PLA-A36EA* & PUY-A36NKA7
Heat Pump
PEAD-A12AA* & PUZ-A12NKA7
PLA-A12EA* & PUZ-A12NKA7
PLA-A18EA* & PUZ-A18NKA7
PLA-A24EA* & PUZ-A24NHA7
PLA-A36EA* & PUZ-A36NKA7
PVA-A12AA* & PUZ-A12NKA7
Hyper-Heating Heat Pump
PEAD-A30A7 & PUZ-HA30NKA
PLA-A18EA7 & PUZ-HA36NKA
PLA-A24EA7 & PUZ-HA24NHA1
PLA-A36EA7 & PUZ-HA36NKA
PVA-A30AA7 & PUZ-HA30NKA
PVA-A36AA7 & PUZ-HA36NKA

*ENERGY STAR® certified models as of print time

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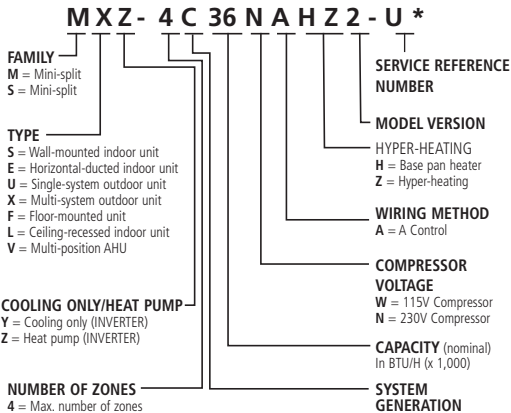
Features and Benefits

M-Series

- Designed for residential applications

- User-friendly zoned cooling and heating solutions for single- or multi-room applications or the whole home

- Hyper-Heating INVERTER® (H2i®) outdoor units can provide high heating performance at low ambient temperatures
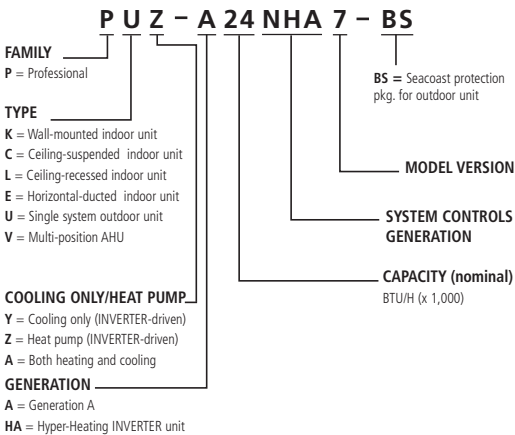
- Many ENERGY STAR® certified models

P-Series

- Designed for light commercial installations. Ideal for applications requiring year-round, low ambient cooling such as computer, elevator and equipment rooms

- Hyper-Heating INVERTER® (H2i®) outdoor units can provide superior heating performance at low ambient temperatures

- Long lineset lengths

- Outside air intake on PLA, PCA, PEAD and PVA models

- P-Series ducted units have higher static than most M-Series, allowing for design flexibility

How to Read a Model Number

M X Z - 4 C 36 N A H Z 2 - U *

FAMILY
M = Mini-split
S = Mini-split

TYPE
S = Wall-mounted indoor unit
E = Horizontal-ducted indoor unit
U = Single-system outdoor unit
X = Multi-system outdoor unit
F = Floor-mounted unit
L = Ceiling-recessed indoor unit
V = Multi-position AHU

COOLING ONLY/HEAT PUMP
Y = Cooling only (INVERTER)
Z = Heat pump (INVERTER)

NUMBER OF ZONES
4 = Max. number of zones

SERVICE REFERENCE NUMBER

MODEL VERSION
HYPER-HEATING
H = Base pan heater
Z = Hyper-heating

WIRING METHOD
A = A Control

COMPRESSOR VOLTAGE
W = 115V Compressor
N = 230V Compressor

CAPACITY (nominal)
In BTU/H (x 1,000)

SYSTEM GENERATION

How to Read a Model Number

P U Z – A 24 N H A 7 – B S

FAMILY
P = Professional

TYPE
K = Wall-mounted indoor unit
C = Ceiling-suspended indoor unit
L = Ceiling-recessed indoor unit
E = Horizontal-ducted indoor unit
U = Single system outdoor unit
V = Multi-position AHU

COOLING ONLY/HEAT PUMP
Y = Cooling only (INVERTER-driven)
Z = Heat pump (INVERTER-driven)
A = Both heating and cooling

GENERATION
A = Generation A
HA = Hyper-Heating INVERTER unit

BS = Seacoast protection pkg. for outdoor unit

MODEL VERSION

SYSTEM CONTROLS GENERATION

CAPACITY (nominal)
BTU/H (x 1,000)

M-Series Models
Our standard line is now more efficient than ever!

GL Models

- All ENERGY STAR® certified models
- Smart Set programming button with SETBACK down to 50° F in heating (9,000–15,000 only)
- Washable nano-platinum filter and anti-allergy enzyme filter
- Cooling-only and heat pump models
- Five fan speeds plus AUTO (select models)
- As quiet as 19 dB(A)

6,000–24,000 BTU/H

HM Models

- Econo Cool Energy-Saving feature
- Optional anti-allergy enzyme filter
- 12-hour timer

9,000–24,000 BTU/H

WR Models

- 16 SEER/8.5 HSPF
- Econo Cool Energy-Saving feature
- 12-hour timer
- Optional anti-allergen enzyme filter

9,000–24,000 BTU/H

JP Models

- Econo Cool Energy-Saving feature
- Optional anti-allergy enzyme filter
- 12-hour timer
- Power Supply: 115V, 1phase, 60Hz
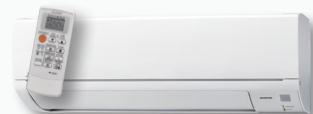
9,000–12,000 BTU/H

EF Models

- Modern, sleek design
- Offered in: matte silver, glossy black, or glossy white
- For use with MXZ multi-zone units only

9,000–18,000 BTU/H

D Models

- Wide Vane Mode for precise directional airflow (also available on MSY/Z-GL18/24NA)
- Powerful Mode for quick 15-minute heating/cooling boost(also available on MSY/Z-GL18/24NA)
- Cooling-only and heat pump models

30,000–36,000 BTU/H

M-Series Models
High-efficiency, Hyper-heating systems

FS Models

- 33.1 – 21.0 SEER, 13.5 – 12.0 HSPF, INVERTER-driven compressor

- Dual Barrier Coating on coil, blower wheel, and shell interior

- H2i plus™ 100% heating capacity at -5°F outdoor ambient temperature

- Hyper-heating performance down to -13° F outdoor ambient temperature

- Backlit handheld controller with mode displayed as text:

  AUTO, COOL, DRY, HEAT, FAN

- Quiet operation as low as 20 dB(A)

- Triple-action filtration
  - Nano-platinum filter
  - Electrostatic anti-allergen enzyme filter
  - Deodorizing filter

- Energy Saving Mode

- 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

- 3D i-see Sensor®
  - Infrared human sensing technologies to measure location of human heat signatures
  - Analyzes room temperature in three dimensions to deliver conditioned air to those areas that need it using double-vane airflow and motorized vertical vanes

- Multi-function hand-held wireless controller or wall-mounted wireless controller available with smart phone control capabilities

6,000 – 18,000 BTU/H

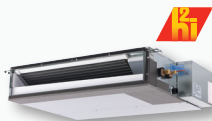High-efficiency, Hyper-heating systems

MFZ-KJ Models

- Ideal for low-wall mounted applications

- Multi-flow vane technology

- Smart Set programming button with SETBACK down to 50° F in heating

- Washable, 10-year catechin filter and anti-allergy enzyme filter

- Hyper-heating performance down to -13° F outdoor ambient

- 100% heating capacity at 5° F outdoor ambient

- Recess mounting optional

9,000 – 18,000 BTU/H

M-Series Models

SEZ Models

- Small compact design (7-7/8" height)
- Adjustable static pressure
- Built-in condensate lift mechanism (22-1/2" lift)
- Rear return or bottom return (with optional accessory)
- Low operating sound pressure levels; as low as 23 dB(A)
- Available as heat pump or hyper-heat

9,000–18,000 BTU/H

SLZ Models

- Fits in 2' x 2' suspended ceiling grid
- Four-way airflow
- Built-in condensate lift mechanism (33" lift)
- Catechin deodorizing filter
- Outside air intake
- Available as heat pump or hyper-heat

9,000–18,000 BTU/H

EZ FIT® MLZ Models

- Fits between 16" joist spacing
- Stylish, square design panel
- Built-in condensate lift mechanism (19.6" lift)
- Adjustable fan speeds and vane direction
- Serviceable from below
- Available as heat pump or hyper-heat

9,000–18,000 BTU/H

SVZ Models

- Upflow/horizontal configurations
- Condensate overflow switch connection
- Outside air intake
- Humidifier and ERV interface connection
- Auxiliary heat control connections
- Optional heat kits are from 3kW to 10kW
- Optional down flow kit
- Available as heat pump or hyper-heat

12,000–36,000 BTU/H

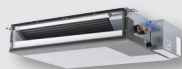## Multi-zone heat pump lineup Indoor units:

MSZ-FS06-18NA
MSZ-GL06-24NA
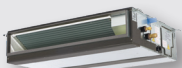MSZ-EF09-18NA

MFZ-KJ09-18NA

PCA-A24KA7

SEZ-KD09-18NA4

MLZ-KP09–18NA

PEAD-A09-36AA7

PLA-A12-36EA7

SLZ-KF09-15NA

SVZ-KP12-36NA

MXZ Multi-zone Heat Pumps

2:1, 3:1, 4:1, 5:1, and 8:1 Zoned Solutions

(20,000 – 60,000 BTU/H)

- Many combinations have received the ENERGY STAR® certification
- Precise, individual room comfort control
- Multiple indoor air handler options (non-ducted and ducted)
- Minimum of two indoor units must be installed
- Standard heat pump or Hyper-heating (H2i®)

STANDARD	H2i
MXZ-2C20NA2	MXZ-2C20NAHZ2
MXZ-3C24NA2	MXZ-3C24NAHZ2
MXZ-3C30NA2	MXZ-3C30NAHZ2
MXZ-4C36NA2	MXZ-4C36NAHZ2
MXZ-5C42NA2	MXZ-5C42NAHZ2
MXZ-8C48NA2	MXZ-8C48NAHZ2
MXZ-8C60NA2	

DIAMOND COMFORT SYSTEM™

Multi-zone Systems*

OUTDOOR UNIT

BRANCH BOX

WALL-MOUNTED
INDOOR UNITS

MULTI-POSITION
AIR HANDLER

HORIZONTAL-DUCTED
INDOOR UNITS

FLOOR-MOUNTED
INDOOR UNITS

CEILING-CASSETTE
INDOOR UNITS
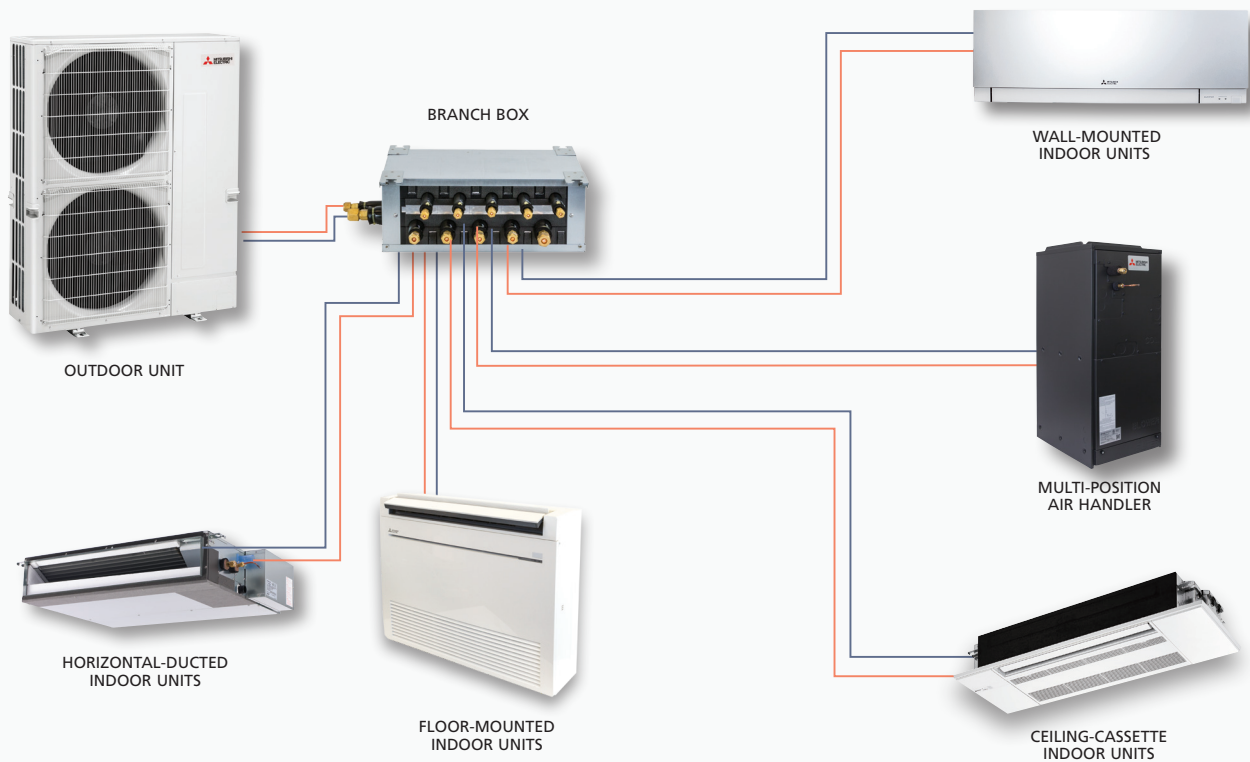
*Illustration purposes only. Refer to compatibility chart for combination allowances.

M-Series Cooling-Only Systems

MSY/MUY
Wall-mounted Indoor Unit

Model Specifications

(air conditioners)

MUY-GL15NA

MSY-GL15NA

Indoor Model #	MSY-GL09NA	MSY-GL12NA	MSY-GL15NA		MSY-GL18NA	MSY-GL24NA	MSY-D30NA	MSY-D36NA
Outdoor Model #	MUY-GL09NA	MUY-GL12NA	MUY-GL15NA		MUY-GL18NA	MUY-GL24NA	MUY-D30NA	MUY-D36NA
Rated Cooling Capacity (BTU/H)	9,000	12,000	14,000		18,000	22,400	30,600	34,600
Cooling Capacity Range (BTU/H)	3,600 – 12,200	1,500 – 13,600	3,100 – 18,200		5,800 – 22,000	8,200 – 31,400	9,800 – 30,700	9,800 – 34,600
SEER	24.6	23.1	21.6		20.5	20.5	16.0	15.1
EER	15.4	13.0	13.0		13.4	12.5	9.1	8.2
Airflow at Cooling, Dry (CFM)	399-321-237-170-145		533-420-335-272-205		646-522-417-332-258	738-628-544-469-388	887-848-639-389	
Airflow at Cooling, Wet (CFM)	364-286-201-134-109		498-385-300-237-170		581-470-375-299-232	661-562-487-420-347	798-763-576-350	
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 1/2"	3/8" x 5/8"		
Max. Piping Length/Height	65'/40'				100'/50'			
Breaker Size	15 AMP				15 AMP	20 AMP	25 AMP	
Cooling Operation Range*	14° to 115° F				14° to 115° F			
Multi-split Connection	No				No			

*Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

M-Series units are pre-charged for up to a 25' line set.

Test conditions are based on AHRI 210/240.

Test conditions are based on AHRI 210/240.

M-Series Heat Pump Systems

MSZ/MUZ-FS H2i plus™
Wall-mounted Indoor Unit

Model Specifications

(hyper-heating heat pumps)

MUZ-FS09NA

MSZ-FS09NA

Indoor Model #	MSZ-FS06NA	MSZ-FS09NA		MSZ-FS12NA	MSZ-FS15NA	MSZ-FS18NA
Outdoor Model #	MUZ-FS06NA(H)	MUZ-FS09NA(H)		MUZ-FS12NA(H)	MUZ-FS15NA(H)	MUZ-FS18NA(H)
Rated Cooling Capacity (BTU/H)	6,000	9,000		12,000	15,000	17,200
Cooling 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 Heating Capacity (BTU/H)	8,700	10,900		13,600	18,000	20,300
Heating Capacity Range (BTU/H)	1,600 – 14,000	1,600 – 18,000		3,700 – 21,000	5,150 – 24,000	5,150 – 30,000
Max. Heating Capacity at 17°F (BTU/H)	12,840	14,170		17,410	22,730	27,000
Max. Heating Capacity at 5°F (BTU/H)	10,500	11,590		14,690	19,360	23,000
Max. Heating Capacity at -13°F (BTU/H)	7,250	8,000		11,000	14,000	17,100
SEER	33.1	30.5		26.1	22.0	21.0
HSPF	13.5(12.5)	13.5(12.5)		12.5(11.5)	12.0(11.0)	12.0(11.0)
EER	19.0	16.1		13.8	12.5	12.5
Airflow at Cooling (CFM)	381-304-221-167-137	381-304-221-167-137		398-304-221-167-137	411-355-304-262-225	459-355-304-262-225
Airflow at Heating (CFM)	437-325-225-167-140	437-325-225-167-140		454-325-225-167-140	497-394-317-254-201	514-394-317-254-201
Lineset Size (Liquid x Gas)	1/4" x 3/8"			1/4" x 3/8"	1/4" x 1/2"	
Max. Piping Length/Height	65'/40'			65'/40'	100'/50'	
Breaker Size	15 AMP			15 AMP	20 AMP	
Cooling Operation Range	14° to 115° F			14° to 115° F		
Heating Operation Range	-13° to 75° F			-13° to 75° F		
Multi-split Connection	Yes			Yes		

Test conditions are based on AHRI 210/240.

M-Series Heat Pump Systems

MSZ/MUZ-GL
Wall-mounted Indoor Unit

MSZ/MUZ-D
Large Capacity Wall-mounted Indoor Unit

Model Specifications

(heat pumps)

MUZ-GL09NA

MSZ-GL09NA

Indoor Model #	MSZ-GL09NA	MSZ-GL12NA	MSZ-GL15NA		MSZ-GL18NA	MSZ-GL24NA	MSZ-D30NA	MSZ-D36NA
Outdoor Model #	MUZ-GL09NA	MUZ-GL12NA	MUZ-GL15NA		MUZ-GL18NA	MUZ-GL24NA	MUZ-D30NA	MUZ-D36NA
Rated Cooling Capacity (BTU/H)	9,000	12,000	14,000		18,000	22,500	30,600	33,200
Cooling Capacity Range (BTU/H)	3,600–12,200	1,500–13,600	3,100–18,200		5,800–22,000	8,200–31,400	9,800–30,700	9,800–32,200
Rated Heating Capacity (BTU/H)	10,900	14,400	18,000		21,600	27,600	32,600	35,200
Heating Capacity Range (BTU/H)	4,500–15,900	2,000–18,100	4,800–20,900		5,400–25,000	7,500–36,900	8,700–34,000	8,700–36,000
Max. Heating Capacity at 17° F (BTU/H)	10,200	12,000	16,400		18,200	24,600	20,800	22,800
Max. Heating Capacity at 5° F (BTU/H)	8,170	9,790	13,680		14,900	19,320	NA	NA
SEER	24.6	23.1	21.6		20.5	20.5	14.5	14.5
HSPF	12.8	12.5	11.7		11.2	10.0	8.2	8.2
EER	15.4	13.0	13.0		13.4	12.5	8.0	7.6
Airflow at Cooling (CFM)	399-321-237-170-145		533-420-335-272-205		646-522-417-332-258	738-628-544-469-388	887-848-639-389	
Airflow at Heating (CFM)	406-321-237-170-145		463-367-304-247-205		646-565-469-385-297	738-628-544-469-388	889-848-639-455	
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 1/2"	3/8" x 5/8"		
Max. Piping Length/ Height	65'/40'				100'/50'			
Breaker Size	15 AMP				15 AMP	20 AMP	25 AMP	
Cooling Operation Range	14° to 115° F				14° to 115° F			
Heating Operation Range	-4° to 75° F				-4° to 75° F		14° to 75° F	
Multi-split Connection	Yes				Yes		No	

Test conditions are based on AHRI 210/240.

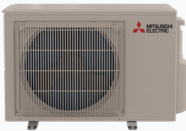MSZ-GL24NA precharged to 33' line set.

M-Series Heat Pump Systems

MSZ/MUZ-HM
18 SEER Wall-mounted Indoor Unit

Model Specifications

(heat pumps)

MUZ-HM09NA

MSZ-HM09NA

Indoor Model #	MSZ-HM09NA	MSZ-HM12NA		MSZ-HM15NA	MSZ-HM18NA	MSZ-HM24NA
Outdoor Unit	**MUZ-HM09NA**	**MUZ-HM12NA**		**MUZ-HM15NA**	**MUZ-HM18NA**	**MUZ-HM24NA**
Rated Cooling Capacity (BTU/H)	9,000	12,000		14,000	17,200	22,400
Cooling Capacity Range (BTU/H)	3,800 – 10,000	3,800 – 12,200		3,100 – 16,000	5,800 – 18,000	5,800 – 22,500
Rated Heating Capacity (BTU/H)	10,900	12,200		18,000	18,000	26,000
Heating Capacity Range (BTU/H)	4,500 – 11,800	4,500 – 14,500		4,800 – 18,500	5,400 – 20,900	5,400 – 26,000
Max. Heating Capacity at 17° F (BTU/H)	7,200	9,000		14,000	15,000	18,500
Max. Heating Capacity at 5° F (BTU/H)	5,990	7,440		12,240	12,780	15,600
SEER	18.0	18.0		18.0	18.0	18.0
HSPF	10.0	10.0		10.0	10.0	10.0
EER	12.0	9.9		12.0	10.5	8.6
Airflow at Cooling (CFM)	399-321-237-170			533-420-335-272	625-530-431-328	702-530-431-353
Airflow at Heating (CFM)	406-321-237-170			463-367-304-247	625-530-431-307	702-579-448-346
Lineset Size (Liquid x Gas)	1/4" x 3/8"			1/4" x 1/2"		3/8" x 5/8"
Max. Piping Length/ Height	65'/40'			65'/40'		100'/50'
Breaker Size	15 AMP			15 AMP		
Cooling Operation Range	14° to 115° F			14° to 115° F		
Heating Operation Range	-4° to 75° F			-4° to 75° F		
Multi-split Connection	No			No		

Test conditions are based on AHRI 210/240.

Test conditions are based on AHRI 210/240.

M-Series Heat Pump Systems

MSZ/MUZ-JP
115V Wall-mounted Indoor Unit

MSZ/MUZ-WR
16 SEER Wall-mounted Indoor Unit

Model Specifications

(heat pumps)

MUZ-JP09WA
MUZ-WR09NA

MSZ-JP09WA
MSZ-WR09NA

Indoor Model #	MSZ-JP09WA*	MSZ-JP12WA*		MSZ-WR09NA	MSZ-WR12NA	MSZ-WR18NA	MSZ-WR24NA
Outdoor Unit	MUZ-JP09WA*	MUZ-JP12WA*		MUZ-WR09NA	MUZ-WR12NA	MUZ-WR18NA	MUZ-WR24NA
Rated Cooling Capacity (BTU/H)	9,000	12,000		9,000	12,000	17,200	22,400
Cooling Capacity Range (BTU/H)	3,800–10,000	3,800–12,200		3,800–10,000	3,800–12,200	5,800–18,000	5,800–22,500
Rated Heating Capacity (BTU/H)	10,900	12,200		10,900	12,200	18,000	26,000
Heating Capacity Range (BTU/H)	4,500–11,800	4,500–14,500		4,500–11,800	4,500–14,500	5,400–20,900	5,400–26,000
Max. Heating Capacity at 17° F (BTU/H)	7,200	9,000		7,200	9,000	14,000	15,000
Max. Heating Capacity at 5° F (BTU/H)	5,990	7,440		5,990	7,440	12,780	15,600
SEER	17.0	17.0		16.0	16.0	16.0	16.0
HSPF	9.0	9.0		8.5	8.5	8.5	8.5
EER	12.0	9.9		11.0	9.0	10.0	8.0
Airflow at Cooling (CFM)	170-237-321-399			170-237-321-399		328-431-530-625	353-43-530-702
Airflow at Heating (CFM)	170-237-321-406			170-237-321-406		307-431-530-625	346-448-579-702
Lineset Size (Liquid x Gas)	1/4" x 3/8"			1/4" x 3/8"		1/4" x 1/2"	3/8" x 5/8"
Max. Piping Length/ Height	65'/40'			65'/40'			100'/50'
Breaker Size	15 AMP			15 AMP			
Cooling Operation Range	14° to 115° F			32° to 115° F			
Heating Operation Range	-4° to 75° F			5° to 75° F			
Multi-split Connection	No			No			

*Power Supply: 115V, 1 phase, 60Hz

Test conditions are based on AHRI 210/240.   Test conditions are based on AHRI 210/240.
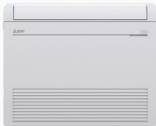
M-Series Heat Pump Systems

MFZ/MUFZ-KJ H2i®
Floor-mounted Indoor Unit

Model Specifications

(hyper-heating heat pumps)

MUFZ-KJ09NAHZ

MFZ-KJ09NA

Indoor Model #	MFZ-KJ09NA		MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Outdoor Unit	MUFZ-KJ09NAHZ		MUFZ-KJ12NAHZ	MUFZ-KJ15NAHZ	MUFZ-KJ18NAHZ
Rated Cooling Capacity (BTU/H)	9,000		12,000	15,000	17,000
Cooling Capacity Range (BTU/H)	2,300 – 14,000		2,300 – 15,000	5,300 – 19,000	5,300 – 22,500
Rated Heating Capacity (BTU/H)	11,000		13,000	18,000	21,000
Heating Capacity Range (BTU/H)	2,900 – 19,000		2,900 – 22,800	5,700 – 25,000	5,700 – 29,000
Max. Heating Capacity at 17° F (BTU/H)	13,400		14,800	20,500	23,000
Max. Heating Capacity at 5° F (BTU/H)	11,000		13,000	18,000	21,000
Max. Heating Capacity at -13° F (BTU/H)	7,260		8,450	13,860	15,960
SEER	28.2		25.5	21.8	21.0
HSPF	13.0		12.0	11.6	11.3
EER	15.8		13.6	13.5	12.6
Airflow at Cooling (CFM)	417-360-272-198-138		417-360-272-198-138	431-392-311-354-198	491-420-328-254-198
Airflow at Heating (CFM)	417-328-254-191-138		417-328-254-191-138	470-399-328-268-212	
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 3/8"	1/4" x 1/2"	
Max. Piping Length/ Height	65'/40'		65'/40'	100'/50'	
Breaker Size	15 AMP		15 AMP	20 AMP	
Cooling Operation Range	14° to 115° F		14° to 115° F		
Heating Operation Range	-13° to 75° F		-13° to 75° F		
Multi-split Connection	Yes		Yes		

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

M-Series Heat Pump Systems

MLZ/SUZ
EZ FIT® Ceiling Cassette

Model Specifications

(heat pumps)
(hyper-heating heat pumps)

SUZ-KA09NAHZ

SUZ-KA09NA2

MLZ-KP09NA

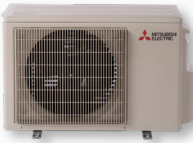| Indoor Model #	MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA		MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA
Outdoor Model #	SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA18NA2		SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA18NAHZ
Rated Cooling Capacity (BTU/H)	9,000	12,000	18,000		9,000	12,000	16,700
Cooling Capacity Range (BTU/H)	3,600 – 9,000	3,900 – 12,000	6,600 – 18,000		4,800–9,000	5,270–12,000	8,740–16,700
Rated Heating Capacity (BTU/H)	12,000	15,400	20,000		12,000	15,000	18,600
Heating Capacity Range (BTU/H)	4,500 – 15,900	2,000 – 18,100	4,800 – 20,900		8,300–14,000	7,800–18,000	8,500–22,000
Max. Heating Capacity at 17° F (BTU/H)	10,200	12,000	16,400		12,000	15,000	18,600
Max. Heating Capacity at 5° F (BTU/H)	6,100	7,900	10,700		12,000	15,000	18,600
Max. Heating Capacity at -13° F (BTU/H)	—	—	—		5,160	6,450	7,990
SEER	19.5	19.8	22.3		18.9	19.0	18.8
HSPF	13.3	12.1	12.4		11.0	10.2	10.0
EER	12.6	12.5	12.5		12.5	12.7	12.5
Airflow at Cooling (CFM)	212-254-283-311	212-258-297-332	212-293-346-403		212-254-282-311	212-258-297-332	212-293-346-403
Airflow at Heating (CFM)	212-247-290-325	212-272-311-350	212-311-364-417		212-247-290-325	212-272-311-350	212-311-364-417
ESP (in. WG)	—	—	—		—	—	—
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 3/8"		1/4" x 1/2"
Max. Piping Length/ Height	65'/40'		100'/50'		65'/40'		100'/50'
Breaker Size	14 AMP				15 AMP		
Cooling Operation Range	14° to 115° F				14° to 115° F		
Heating Operation Range	-4° to 75° F				-13° to 75° F		
Multi-split Connection	Yes				Yes		

M-Series Heat Pump Systems

SLZ/SUZ
Four-way Ceiling Cassette

Model Specifications

(heat pumps)
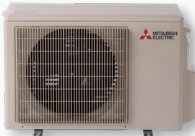*(hyper-heating heat pumps)*

SUZ-KA09NAHZ   SUZ-KA09NA2   SLZ-KF09NA

Indoor Model #	SLZ-KF09NA	SLZ-KF12NA	SLZ-KF15NA		SLZ-KF18NA	SLZ-KF09NA	SLZ-KF12NA	SLZ-KF15NA	SLZ-KF18NA
Outdoor Model #	SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA15NA2		SUZ-KA18NA2	SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Rated Cooling Capacity (BTU/H)	9,000	12,000	14,100		17,700	9,000	12,000	13,700	16,800
Cooling Capacity Range (BTU/H)	3,600 – 9,000	3,900 – 12,000	5,100 – 14,100		6,100 – 17,700	4,800–9,000	5,070–12,000	8,500–13,700	9,010–16,800
Rated Heating Capacity (BTU/H)	11,000	13,000	18,000		19,700	11,000	13,800	16,400	18,800
Heating Capacity Range (BTU/H)	11,000 – 12,000	13,000 – 13,000	18,000 – 18,000		19,700 – 20,900	7,400–13,200	7,800–14,500	8,300–19,000	8,300–20,000
Max. Heating Capacity at 17° F (BTU/H)	6,900	8,900	11,900		12,900	11,000	13,800	16,400	18,800
Max. Heating Capacity at 5° F (BTU/H)	5,600	6,100	8,900		9,800	11,000	13,800	16,400	18,800
Max. Heating Capacity at -13° F (BTU/H)	—	—	—		—	4,730	5,930	7,050	8,080
SEER	22.4	22.0	19.8		20.7	20.2	20.3	17.7	19.0
HSPF	12.2	11.4	11.2		11.6	10.0	10.0	9.0	9.4
EER	13.4	13.3	12.2		12.5	15.0	12.7	12.5	12.5
Airflow at Cooling (CFM)	230-265-300	230-265-335	245-315-405		300-420-475	230-265-300	335-280-230	405-315-245	475-420-300
Airflow at Heating (CFM)	230-265-335	230-265-335	245-315-405		300-420-475	230-265-300	230-280-335	245-315-405	300-420-475
ESP (in. WG)	—	—	—		—	—	—	—	—
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 1/2"	1/4" x 3/8"		1/4" x 1/2"	1/4" x 1/2"
Max. Piping Length/ Height	65'/40'				100'/50'	65'/40'			100'/50'
Breaker Size	14 AMP				14 AMP	15 AMP			
Cooling Operation Range	14° to 115° F				14° to 115° F				
Heating Operation Range	-4° to 75° F				-4° to 75° F	-13° to 75° F			
Multi-split Connection	Yes				Yes				

M-Series Heat Pump Systems

SVZ/SUZ
Multi-position Air Handler

Model Specifications
(heat pumps)

SUZ-KA12NA2

SVZ-KP12NA

Indoor Model #	SVZ-KP12NA	SVZ-KP18NA		SVZ-KP24NA	SVZ-KP30NA	SVZ-KP36NA
Outdoor Model #	SUZ-KA12NA2	SUZ-KA18NA2		SUZ-KA24NA2	SUZ-KA30NA2	SUZ-KA36NA2
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	27,000	33,000
Rated Cooling Capacity Range (BTU/H)	4,300–12,000	6,200–18,000		12,400–24,000	13,500–27,000	11,600–33,000
Rated Heating Capacity (BTU/H)	15,000	21,600		25,000	30,000	33,400
Heating Capacity Range (BTU/H)	5,000–13,500	7,700–22,800		5,000–13,500	7,700–22,800	7,700–22,800
Max. Heating Capacity at 17° F (BTU/H)	9,900	14,000		14,600	21,400	23,200
Max. Heating Capacity at 5° F (BTU/H)	7,800	12,200		—	—	—
Max. Heating Capacity at -13° F (BTU/H)	—	—		—	—	—
SEER	18			18		16.0
HSPF (IV)	12.1	12.6		10.4	13.6	11.7
EER[*1]	12.7	13.2		12.5	12.5	8.8
Airflow at Cooling (CFM)	278-381-448	471-573-675		515-625-735	613-744-875	767-910-910
Airflow at Heating (CFM)	278-381-448	471-573-675		515-625-735	613-744-875	767-910-910
ESP (in. WG)	0.3-0.5-0.8			0.3-0.5-0.8		0.3-0.5-0.8
Lineset Size (Liquid x Gas)	1/4" x 3/8"	1/4" x 1/2"		3/8" x 5/8"		3/8" x 5/8"
Max. Piping Length/Height	65'/40'	100'/50'		100'/50'		100'/50'
Breaker Size	15 AMP			20 AMP		20 AMP
Cooling Operation Range	14° to 115° F			14° to 115° F		14° to 115° F
Heating Operation Range	-4° to 75° F			14° to 75° F		14° to 75° F
Multi-split Connection	No			No		No

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

M-Series Heat Pump Systems

SVZ/SUZ
Multi-position Air Handler

Model Specifications

(hyper-heating heat pumps)

SUZ-KA12NAHZ

SVZ-KP12NA

Indoor Model #	SVZ-KP12NA	SVZ-KP18NA		SVZ-KP24NA	SVZ-KP30NA	SVZ-KP36NA
Outdoor Model #	SUZ-KA12NAHZ	SUZ-KA18NAHZ		SUZ-KA24NAHZ	SUZ-KA30NAHZ	SUZ-KA36NAHZ
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	27,000	36,000
Rated Cooling Capacity Range (BTU/H)	5,600–12,000	9,360–18,000		8,800-24,000	13,400-27,000	14,200-36,000
Rated Heating Capacity (BTU/H)	15,000	21,600		23,000	32,000	37,000
Heating Capacity Range (BTU/H)	7,700–18,000	8,800–28,000		9,400-28,800	13,000-34,000	13,800-40,000
Max. Heating Capacity at 17° F (BTU/H)	15,000	21,600		23,000	32,000	37,000
Max. Heating Capacity at 5° F (BTU/H)	15,000	21,600		23,000	32,000	37,000
Max. Heating Capacity at -13° F (BTU/H)	6,450	9,280		-	-	-
SEER	19.0	18.4		16.0	15.0	16.0
HSPF (IV)	10.2	10.4		9.2	9.0	9.0
EER[*1]	13.9	12.5		9.9	12.5	9.5
Airflow at Cooling (CFM)	448-381-278	675-573-471		515-625-735	613-744-875	767-910-910
Airflow at Heating (CFM)	278-381-448	471-573-675		515-625-735	613-744-875	767-910-910
ESP (in. WG)	0.3-0.5-0.8			0.3-0.5-0.8		
Lineset Size (Liquid x Gas)	1/4" x 3/8"	1/4" x 1/2"		3/8" x 5/8"		
Max. Piping Length/Height	65'/40'	100'/50'		165'/100'	245'/100'	
Breaker Size	15 AMP			25 AMP	35 AMP	
Cooling Operation Range	14° to 115° F			23° to 115°F		
Heating Operation Range	-13° to 75° F			-13° to 70°F		
Multi-split Connection	Yes			Yes		

Test conditions are based on AHRI 210/240.

Test conditions are based on AHRI 210/240.
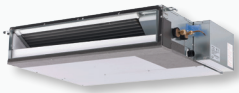
M-Series Heat Pump Systems

PEAD/SUZ
Mid Static Horizontal-ducted Indoor Unit

Model Specifications
(heat pumps)

SUZ-KA12NA2

PEAD-A12AA7

Indoor Model #	PEAD-A09AA7	PEAD-A12AA7	PEAD-A15AA7		PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7
Outdoor Model #	SUZ-KA09NA2	SUZ-KA12NA2*1	SUZ-KA15NA2		SUZ-KA18NA2	SUZ-KA24NA2	SUZ-KA30NA2	SUZ-KA36NA2
Rated Cooling Capacity (BTU/H)	9,000	12,000	15,000		18,000	24,000	27,000	33,000
Rated Cooling Capacity Range (BTU/H)	4,300 – 9,000	4,400 – 12,000	5,500 – 15,000		6,200 – 18,000	12,000 – 24,000	13,200 – 27,000	14,000 – 33,000
Rated Heating Capacity (BTU/H)	12,000	15,000	18,000		21,600	25,000	30,000	33,400
Heating Capacity Range (BTU/H)	3,960 – 13,000	4,800 – 17,000	4,900 – 21,500		8,120 – 25,600	14,400 – 28,000	15,860 – 33,000	14,750 – 36,000
Max. Heating Capacity at 17° F (BTU/H)	10,200	12,000	16,400		16,400	14,600	21,400	23,200
Max. Heating Capacity at 5° F (BTU/H)	6,100	7,900	10,100		12,000	-	-	-
SEER	19.7	20.5	19.2		19.8	18.0	18.0	16.0
HSPF (IV)	12.6	13.0	11.6		12.9	11.2	12.6	11.6
EER*1	12.5	12.9	13.0		14.1	12.5	12.5	9.4
Airflow at Cooling (CFM)	282-318-353	353-424-494	424-512-600		212-293-346-403	512-636-742	618-742-883	847-1,024-1,201
Airflow at Heating (CFM)	282-318-353	353-424-494	424-512-600		212-293-346-403	512-636-742	618-742-883	847-1,024-1,201
ESP (in. WG)	0.14-0.20-0.28-0.40-0.60				0.14-0.20-0.28-0.40-0.60			
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 1/2"	3/8" x 5/8"		
Max. Piping Length/Height	65'/40'		100'/50'		100'/50'			
Breaker Size	15 AMP				15 AMP	20 AMP		
Cooling Operation Range	14° to 115° F				14° to 115° F			
Heating Operation Range	-4° to 75° F				14° to 75° F			
Multi-split Connection	Yes				Yes			

*1Port adapter (MAC-A455JP-E) is needed for PEAD-A12AA7 connection with SUZ-KA12NA2.

M-Series Heat Pump Systems

PEAD/SUZ
Mid Static Horizontal-ducted Indoor Unit

Model Specifications

(hyper-heating heat pumps)

SUZ-KA12NAHZ

PEAD-A12AA7

Indoor Model #	PEAD-A09AA7	PEAD-A12AA7	PEAD-A15AA7		PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7
Outdoor Model #	SUZ-KA09NAHZ	SUZ-KA12NAHZ*1	SUZ-KA15NAHZ		SUZ-KA18NAHZ	SUZ-KA24NAHZ	SUZ-KA30NAHZ	SUZ-KA36NAHZ
Rated Cooling Capacity (BTU/H)	9,000	12,000	15,000		18,000	24,000	30,000	33,000
Rated Cooling Capacity Range (BTU/H)	5,000–9,000	5,770–12,000	9,600–15,000		9,320–18,000	10,000-24,000	14,600-30,000	15,600-33,000
Rated Heating Capacity (BTU/H)	12,000	15,000	18,000		21,600	25,000	32,000	37,000
Heating Capacity Range (BTU/H)	8,200–14,000	7,900–18,000	8,800–23,000		8,800–28,000	10,000-28,000	14,700-34,000	17,400-40,000
Max. Heating Capacity at 17° F (BTU/H)	12,000	15,000	18,000		21,600	25,000	32,000	37,000
Max. Heating Capacity at 5° F (BTU/H)	12,000	15,000	18,000		21,600	25,000	32,000	37,000
Max. Heating Capacity at -13°F (BTU/H)	5,160	6,450	7,740		9,280	-	-	-
SEER	17.8	19.3	18.3		18.9	15.0	15.0	15.0
HSPF (IV)	10.8	11.0	9.9		10.8	9.0	9.0	9.0
EER*1	13.8	14.1	12.6		12.8	10.3	12.5	12.5
Airflow at Cooling (CFM)	353-318-282	494-424-353	600-512-424		600-512-424	512-635-741	618-742-883	847-1024-1201
Airflow at Heating (CFM)	282-318-353	353-424-494	424-512-600		424-512-600	512-635-741	618-742-883	847-1024-1201
ESP (in. WG)	0.14-0.2-0.28-0.4-0.6				0.14-0.2-0.28-0.4-0.6			
Lineset Size (Liquid x Gas)	1/4" x 3/8"	1/4" x 3/8"	1/4" x 1/2"		1/4" x 1/2"	3/8" x 5/8"		
Max. Piping Length/Height	65'/40'	65'/40'	65'/40'		100'/50'	165'/100'	245'/100'	245'/100'
Breaker Size	15 AMP				15 AMP	25 AMP	35 AMP	
Cooling Operation Range	14° to 115° F				14° to 115° F	23° to 115°F		
Heating Operation Range	-13° to 75° F				-13° to 70°F			
Multi-split Connection	Yes				Yes			

*Port adapter (MAC-A455JP-E) is needed for PEAD-A12AA7 with SUZ-KA12NAHZ.

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

M-Series Heat Pump Systems

SEZ/SUZ
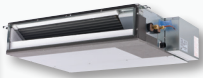Low Static Horizontal-ducted Indoor Unit

Model Specifications

(heat pumps)
(hyper-heating heat pumps)

SUZ-KA12NAHZ

SUZ-KA12NA2

SEZ-KD15NA4

Indoor Model #	SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4		SEZ-KD18NA4	SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4
Outdoor Model #	SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA15NA2		SUZ-KA18NA2	SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Rated Cooling Capacity (BTU/H)	9,000	12,000	15,000		18,000	9,000	12,000	15,000	18,000
Cooling Capacity Range (BTU/H)	3,900 – 9,000	4,000 – 12,000	5,200 – 15,000		6,100 – 18,000	4,500–9,000	5,210–12,000	9,000–15,000	9,200–18,000
Rated Heating Capacity (BTU/H)	12,000	15,000	18,000		21,600	12,500	15,000	18,000	21,600
Heating Capacity Range (BTU/H)	4,200 – 12,800	4,800 – 16,800	5,000 – 21,600		8,100 – 25,600	8,100–13,300	7,700–18,000	8,600–22,400	8,800–28,000
Max. Heating Capacity at 17° F (BTU/H)	7,300	9,800	13,700		15,000	12,500	15,000	18,000	21,600
Max. Heating Capacity at 5° F (BTU/H)	6,000	7,900	10,000		12,000	12,500	15,000	18,000	21,600
Max. Heating Capacity at -13° F (BTU/H)						5,370	6,450	7,740	9,280
SEER	18.8	20.5	19.0		22.0	17.3	19.0	17.3	19.1
HSPF	11.0	12.4	11.4		13.1	9.8	10.2	9.5	10.9
EER	12.8	12.9	13.0		13.7	13.0	13.0	12.5	13.1
Airflow at Cooling (CFM)	194-247-317	247-317-388	353-441-529		423-529-635	317-247-194	388-317-247	529-441-353	635-529-423
Airflow at Heating (CFM)	194-247-317	247-317-388	353-441-529		423-529-635	194-247-317	247-317-388	353-441-529	423-529-635
ESP (in. WG)	0.20-0.14-0.06-0.02				0.20-0.14-0.06-0.02	0.02-0.06-0.14-0.2			
Lineset Size (Liquid x Gas)	1/4" x 3/8"		1/4" x 1/2"		1/4" x 1/2"	1/4" x 3/8"		1/4" x 1/2"	
Max. Piping Length/Height	60'/40'				100'/50'	65'/40'			100'/50'
Breaker Size	15 AMP				15 AMP				
Cooling Operation Range	14° to 115° F				14° to 115° F				
Heating Operation Range	-4° to 75° F				-4° to 75° F	-13° to 75° F			
Multi-split Connection	Yes				Yes				

Test conditions are based on AHRI 210/240.

M-Series Heat Pump Systems

MXZ-C
Model Specifications
(multi-zone heat pumps)

MXZ-8C48NA2

Branch Box
for indoor unit
connections

Two sizes are available:
- 3-branch PAC-MKA32BC
- 5-branch PAC-MKA52BC
  (shown left)

Outdoor Model #	MXZ-2C20NA2	MXZ-3C24NA2		MXZ-3C30NA2	MXZ-4C36NA2	MXZ-5C42NA2	MXZ-8C48NA2	MXZ-8C60NA2
Rated Cooling Capacity (BTU/H) Non-ducted/Ducted	18,000/20,000	22,000/23,600		28,400/27,400	35,400/34,400	40,500/37,400	48,000	60,000
Cooling Capacity Range (BTU/H)	5,700–20,000	6,000–24,000		6,000–30,000	6,000–36,000	6,000–41,600	15,500-48,000	30,000-60,000
Rated Heating Capacity (BTU/H) Non-ducted/Ducted	22,000	25,000/24,600		28,600/27,600	36,000/34,400	45,000/41,000	54,000	66,000
Heating Capacity Range (BTU/H)	7,400–25,000	7,400–25,000		7,400–30,000	7,400–36,000	7,400–46,400	22,500-54,000	31,000–66,000
Max. Heating Capacity at 17° F (BTU/H)	14,500/15,500	19,600		21,000	26,600	30,500	36,600	65,000
Max. Heating Capacity at 5° F (BTU/H)	11,100/10,900	18,200		18,200	24,000	26,000	32,400	57,000
SEER Non-ducted / Ducted / Mixed	20.0/16.0/18.0	20.0/16.0/18.0		19.0/16.2/17.6	19.2/16.0/17.6	19.7/15.2/17.45	20.0/16.0/18.0	19.5/17.0/18.2
HSPF Non-ducted / Ducted / Mixed	10.0/9.3/9.65	9.8/9.2/9.50		10.6/9.6/9.6	11.0/9.8/10.4	10.3/9.1/9.7	11.5/10.1/10.8	10.7/10.7/10.7
EER Non-ducted / Ducted / Mixed	12.7/10/11.35	13.6/11.2/12.4		10.6/9.6/10.1	9.4/8.7/9.05	9.2/9.0/9.1	12.2/10.0/11.1	12.5/10.0/11.2
Individual/Combined Max. Lineset Length	164'/82'	230'/82'		230'/82'		262'/82'	492'/262'	
Breaker Size	20 AMP	25 AMP		25 AMP		40 AMP		50 AMP
Branch Box Required	No			No			Yes	
Cooling Operation Range	14° to 115° F			14° to 115° F			5° to 115° F (When optional wind baffle is used)	
Heating Operation Range	5° to 65° F			5° to 65° F			-4° to 70° F	

Test conditions are based on AHRI 210/240.

Test conditions are based on AHRI 210/240.

M-Series Heat Pump Systems

MXZ-C H2i®
Model Specifications

(multi-zone hyper-heating heat pumps)

MXZ-8C48NAHZ2

Branch Box
for indoor unit
connections

Two sizes are available:
- 3-branch PAC-MKA32BC
- 5-branch PAC-MKA52BC
  (shown left)

Outdoor Model #	MXZ-2C20NAHZ2	MXZ-3C24NAHZ2		MXZ-3C30NAHZ2	MXZ-4C36NHZ2	MXZ-5C42NHZ2	MXZ-8C48NHZ2
Rated Cooling Capacity (BTU/H) Non-ducted/Ducted	18,000/20,000	22,000/23,600		28,400/27,400	36,000	42,000	48,000
Cooling Capacity Range (BTU/H)	6,000–20,000	6,000–24,000		6,000–28,400	15,500–36,000	15,500–42,000	16,000–48,000
Rated Heating Capacity (BTU/H) Non-ducted/Ducted	22,000/22,000	25,000/24,600		28,600/27,600	45,000	48,000	54,000
Heated Capacity Range (BTU/H)	7,400–22,000	7,400–25,000		7,400–28,600	22,500–45,000	24,000–48,000	27,000–54,000
Max. Heating Capacity at 17° F (BTU/H)	22,000/22,000	25,000/24,600		28,600/27,600	45,000	48,000	54,000
Max. Heating Capacity at 5° F (BTU/H)	22,000	25,000		28,600	45,000	48,000	54,000
Max. Heating Capacity at -13° F (BTU/H)	20,460	22,500		25,168	34,200	36,480	37,800
SEER Non-ducted / Ducted / Mixed	17.0/15.0/16.0	19.0/15.5/17.25		18.0/16.0/17.0	20.0/17.5/18.7	20.0/17.0/18.5	20.0/16.0/18.0
HSPF Non-ducted / Ducted / Mixed	9.8/9.5/9.65	10.0/9.0/9.5		11.0/9.8/10.4	11.3/11.0/11.1	11.0/10.6/10.8	11.5/10.1/10.8
EER Non-ducted / Ducted / Mixed	13.5/11.0/12.25	13.5/10.0/11.75		12.5/10.3/11.4	14.0/12.5/13.2	13.4/10.8/12.1	12.2/10.0/11.1
Individual/Combined Max. Lineset Length	164'/82'	230'/82'		230'/82'	492'/262'		
Breaker Size	40 amp			40 amp	50 amp		
Branch Box Required	No			No	Yes		
Cooling Operation Range	14° to 115° F			14° to 115° F	5° to 115° F (When optional wind baffle is used)		
Heating Operation Range	-13° to 65° F			-13° to 65° F	-13° to 70° F		

M-Series Heat Pump Systems

MSZ for MXZ-C
Designer Wall-mounted Indoor Unit

Model Specifications

(heat pumps)

MSZ-EF09NA(W/B/S)

Indoor Model #	MSZ-EF09NA(W/B/S)	MSZ-EF12NA(W/B/S)		MSZ-EF15NA(W/B/S)	MSZ-EF18NA(W/B/S)
Outdoor Unit	MXZ-C Standard and MXZ-C H2i®			MXZ-C Standard and MXZ-C H2i®	
Rated Cooling Capacity (BTU/H)	9,000	12,000		15,000	18,000
Rated Heating Capacity (BTU/H)	10,900	14,400		18,000	21,600
Airflow at Cooling (CFM)	141-162-222-293-371			205-233-272-314-364	205-240-279-328-388
Airflow at Heating (CFM)	141-162-219-314-420	141-162-219-314-448		194-222-275-350-448	226-258-318-392-466
Lineset Size (Liquid x Gas)	1/4" x 3/8"			1/4" x 1/2"	

Test conditions are based on AHRI 210/240.

Test conditions are based on AHRI 210/240.

MXZ-Series Port Adapters

Port Adapter Guide

Available Indoor Units	Line Set Size
MSZ Wall-mounted	
MSZ-FS06NA	Liquid: 1/4" Gas: 3/8"
MSZ-FS09NA	Liquid: 1/4" Gas: 3/8"
MSZ-FS12NA	Liquid: 1/4" Gas: 3/8"
MSZ-FS15NA	Liquid: 1/4" Gas: 1/2"
MSZ-FS18NA	Liquid: 1/4" Gas: 1/2"
MSZ-EF09NA(W/B/S)	Liquid: 1/4" Gas: 3/8"
MSZ-EF12NA(W/B/S)	Liquid: 1/4" Gas: 3/8"
MSZ-EF15NA(W/B/S)	Liquid: 1/4" Gas: 3/8"
MSZ-EF18NA(W/B/S)	Liquid: 1/4" Gas: 3/8"
MSZ/Y-GL06NA	Liquid: 1/4" Gas: 3/8"
MSZ/Y-GL09NA	Liquid: 1/4" Gas: 3/8"
MSZ/Y-GL12NA	Liquid: 1/4" Gas: 3/8"
MSZ/Y-GL15NA	Liquid: 1/4" Gas: 1/2"
MSZ/Y-GL18NA	Liquid: 1/4" Gas: 1/2"
MSZ/Y-GL24NA	Liquid: 3/8" Gas: 5/8"
MSZ/Y-D30NA	Liquid: 3/8" Gas: 5/8"
MSZ/Y-D36NA	Liquid: 3/8" Gas: 5/8"
MSZ-HM09NA	Liquid: 1/4" Gas: 3/8"
MSZ-HM12NA	Liquid: 1/4" Gas: 3/8"
MSZ-HM15NA	Liquid: 1/4" Gas: 1/2"
MSZ-HM18NA	Liquid: 1/4" Gas: 1/2"
MSZ-HM24NA	Liquid: 3/8" Gas: 5/8"
MSZ-JP09WA	Liquid: 1/4" Gas: 3/8"
MSZ-JP12WA	Liquid: 1/4" Gas: 3/8"
MSZ-WR09NA	Liquid: 1/4" Gas: 3/8"
MSZ-WR12NA	Liquid: 1/4" Gas: 3/8"
MSZ-WR18NA	Liquid: 1/4" Gas: 1/2"
MSZ-WR24NA	Liquid: 3/8" Gas: 5/8"

Available Indoor Units	Line Set Size
MFZ Floor-standing	
MFZ-KJ09NA	Liquid: 1/4" Gas: 3/8"
MFZ-KJ12NA	Liquid: 1/4" Gas: 3/8"
MFZ-KJ15NA	Liquid: 1/4" Gas: 1/2"
MFZ-KJ18NA	Liquid: 1/4" Gas: 1/2"
MVZ Multi-position	
SVZ-KP12NA	Liquid: 1/4" Gas: 3/8"
SVZ-KP18NA	Liquid: 1/4" Gas: 1/2"
SVZ-KP24NA	Liquid: 3/8" Gas: 5/8"
SVZ-KP30NA	Liquid: 3/8" Gas: 5/8"
SVZ-KP36NA	Liquid: 3/8" Gas: 5/8"
PLA Ceiling-recessed	
PLA-A12EA7	Liquid: 1/4" Gas: 1/2"
PLA-A18EA7	Liquid: 1/4" Gas: 1/2"
PLA-A24EA7	Liquid: 3/8" Gas: 5/8"
PLA-A30EA7	Liquid: 3/8" Gas: 5/8"
PLA-A36EA7	Liquid: 3/8" Gas: 5/8"
PCA Ceiling-suspended	
PCA-A24KA7	Liquid: 3/8" Gas: 5/8"
SLZ Ceiling-cassette	
SLZ-KF09NA	Liquid: 1/4" Gas: 3/8"
SLZ-KF12NA	Liquid: 1/4" Gas: 3/8"
SLZ-KF15NA	Liquid: 1/4" Gas: 1/2"
SLZ-KF18NA	Liquid: 1/4" Gas: 1/2"
MLZ-KP09NA	Liquid: 1/4" Gas: 3/8"
MLZ-KP12NA	Liquid: 1/4" Gas: 3/8"
MLZ-KP18NA	Liquid: 1/4" Gas: 1/2"

MXZ-Series Port Adapters

Available Indoor Units	Line Set Size
SEZ/PEAD Horizontal-ducted	
SEZ-KD09NA4	Liquid: 1/4" Gas: 3/8"
SEZ-KD12NA4	Liquid: 1/4" Gas: 3/8"
SEZ-KD15NA4	Liquid: 1/4" Gas: 1/2"
SEZ-KD18NA4	Liquid: 1/4" Gas: 1/2"
PEAD-A09AA7	Liquid: 1/4" Gas: 1/2"
PEAD-A12AA7	Liquid: 1/4" Gas: 1/2"
PEAD-A18AA7	Liquid: 1/4" Gas: 1/2"
PEAD-A24AA7	Liquid: 3/8" Gas: 5/8"
PEAD-A30AA7	Liquid: 3/8" Gas: 5/8"
PEAD-A36AA7	Liquid: 3/8" Gas: 5/8"

Port Adapter 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-493PI	1/4" x 3/8"
ADP-5834	5/8" x 3/4"

Port Adapter Guide

Port	Gas	Liquid
MXZ-2C20NA2		
A; B	3/8"	1/4"
MXZ-3C24NA2		
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-4C36NA2		
A	1/2"	1/4"
B; C; D	3/8"	1/4"
MXZ-5C42NA2		
A	1/2"	1/4"
B; C; D; E	3/8"	1/4"
MXZ-2C20NAHZ2		
A; B	3/8"	1/4"
MXZ-3C24NAHZ2		
A	1/2"	1/4"
B; C	3/8"	1/4"
MXZ-3C30NAHZ2		
A	1/2"	1/4"
B; C	3/8"	1/4"

The following MXZ units must utilize at least one branch box
MXZ-8C48NA2
MXZ-8C60NA2
MXZ-4C36NAHZ2
MXZ-5C42NAHZ2
MXZ-8C48NAHZ2

Branch Boxes		
Port	Gas	Liquid
PAC-MKA32BC [3-Port]		
A; B; C	3/8"	1/4"
PAC-MKA52BC [5-Port]		
A; B; C; D	3/8"	1/4"
E	1/2"	1/4"

Notes for application:

- Check the lineset sizes for your selected indoor 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-MKA52BC branch box or outdoor unit
- Adapt lineset size with appropriate port adapter from above list

M-Series Correction Factors

Model	Refrigerant piping length (one way)			
	25 Ft (Std)	40 Ft	65 Ft	100 Ft
MUZ/Y-GL09NA	Capacity x 1.0	Capacity x 0.988	Capacity x 0.968	-
MUZ/Y-GL12NA		Capacity x 0.988	Capacity x 0.968	-
MUZ/Y-GL15NA		Capacity x 0.988	Capacity x 0.968	-
MUZ/Y-GL18NA		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
MUZ/Y-GL24NA		Capacity x 0.983	Capacity x 0.956	Capacity x 0.921

M-Series Correction Factors

Model	Refrigerant piping length (one way)			
	25 Ft (Std)	40 Ft	65 Ft	100 Ft
MUZ/Y-D30NA	Capacity x 1.0	Capacity x 0.976	Capacity x 0.937	Capacity x 0.887
MUZ/Y-D36NA		Capacity x 0.974	Capacity x 0.932	Capacity x 0.878
MUZ-HM09NA		Capacity x 0.988	Capacity x 0.967	-
MUZ-HM12NA		Capacity x 0.988	Capacity x 0.967	-
MUZ-HM15NA		Capacity x 0.988	Capacity x 0.967	-
MUZ-HM18NA		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
MUZ-HM24NA		Capacity x 0.983	Capacity x 0.956	Capacity x 0.921
MUZ-JP09WA		Capacity x 0.988	Capacity x 0.967	-
MUZ-JP12WA		Capacity x 0.988	Capacity x 0.967	-
MUZ-WR09NA		Capacity x 0.988	Capacity x 0.967	-
MUZ-WR12NA		Capacity x 0.988	Capacity x 0.967	-
MUZ-WR18NA		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
MUZ-WR24NA		Capacity x 0.983	Capacity x 0.956	Capacity x 0.921
MUZ-FS06NA(H)		Capacity x 0.988	Capacity x 0.967	-
MUZ-FS09NA(H)		Capacity x 0.988	Capacity x 0.967	-
MUZ-FS12NA(H)		Capacity x 0.988	Capacity x 0.967	-
MUZ-FS15NA(H)		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
MUZ-FS18NA(H)		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
SUZ-KA09NA2		Capacity x 0.988	Capacity x 0.967	-
SUZ-KA12NA2		Capacity x 0.988	Capacity x 0.967	-
SUZ-KA15NA2		Capacity x 0.988	Capacity x 0.967	-
SUZ-KA18NA2		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
SUZ-KA24NA2		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
SUZ-KA30NA2		Capacity x 0.983	Capacity x 0.956	Capacity x 0.921
SUZ-KA36NA2		Capacity x 0.983	Capacity x 0.956	Capacity x 0.921
SUZ-KA09NAHZ		Capacity x 0.963	Capacity x 0.904	-
SUZ-KA12NAHZ		Capacity x 0.963	Capacity x 0.904	-
SUZ-KA15NAHZ		Capacity x 0.981	Capacity x 0.944	-
SUZ-KA18NAHZ		Capacity x 0.981	Capacity x 0.944	Capacity x 0.892
SUZ-KA24NAHZ		Capacity x 0.988	Capacity x 0.960	Capacity x 0.933
SUZ-KA30NAHZ		Capacity x 0.988	Capacity x 0.960	Capacity x 0.933
SUZ-KA36NAHZ		Capacity x 0.988	Capacity x 0.960	Capacity x 0.933
MUFZ-KJ09NAHZ		Capacity x 0.988	Capacity x 0.967	-
MUFZ-KJ12NAHZ		Capacity x 0.988	Capacity x 0.967	-
MUFZ-KJ15NAHZ		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933
MUFZ-KJ18NAHZ		Capacity x 0.985	Capacity x 0.963	Capacity x 0.933

M-Series Air Outlet Coverage Range*

Model Number	Mode	Function	Airflow (CFM)	Coverage (ft)
MSZ/Y-GL06NA MSZ/Y-GL09NA MSZ/Y-GL12NA	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ/Y-GL15NA	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ/Y-GL18NA	HEAT	DRY	463	33.5
	COOL	WET	385	28.0
MSZ/Y-GL24NA	HEAT	DRY	646	44.0
	COOL	WET	581	39.7
MSZ/Y-D30NA MSZ/Y-D36NA	HEAT	DRY	738	36.9
	COOL	WET	661	33.2
MSZ-FS06NA MSZ-FS09NA	HEAT	DRY	437	29.8
	COOL	WET	328	22.5
MSZ-FS12NA	HEAT	DRY	454	31.0
	COOL	WET	364	24.8
MSZ-FS15NA	HEAT	DRY	514	34.9
	COOL	WET	376	25.6
MSZ-FS18NA	HEAT	DRY	514	34.9
	COOL	WET	376	25.6
MFZ-KJ09NA MFZ-KJ12NA	HEAT	DRY	417	29.6
	COOL	WET	354	25.3
MFZ-KJ15NA	HEAT	DRY	470	33.3
	COOL	WET	366	26.2
MFZ-KJ18NA	HEAT	DRY	470	33.3
	COOL	WET	417	29.7
SLZ-KF09NA	HEAT	DRY	300	15.1
	COOL	WET	270	13.7
SLZ-KF12NA	HEAT	DRY	336	16.9
	COOL	WET	302	15.2
SLZ-KF15NA	HEAT	DRY	405	20.3
	COOL	WET	365	18.3
SLZ-KF18NA	HEAT	DRY	475	23.7
	COOL	WET	429	21.4
MSZ-EF09NA(W/B/S)	HEAT	DRY	420	29.2
	COOL	WET	319	22.3
MSZ-EF12NA(W/B/S)	HEAT	DRY	448	31.1
	COOL	WET	319	22.3
MSZ-EF15NA(W/B/S)	HEAT	DRY	448	31.1
	COOL	WET	313	21.9
MSZ-EF18NA(W/B/S)	HEAT	DRY	466	32.3
	COOL	WET	334	23.4
MSZ-HM09NA MSZ-HM12NA	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ-HM15NA	HEAT	DRY	463	33.5
	COOL	WET	385	28.0

Model Number	Mode	Function	Airflow (CFM)	Coverage (ft)
MSZ-HM18NA	HEAT	DRY	625	42.6
	COOL	WET	562	38.4
MSZ-HM24NA	HEAT	DRY	702	47.7
	COOL	WET	632	43.1
MSZ-JP09WA	HEAT	DRY	406	29.5
	COOL	WET	364	26.5
MSZ-JP12WA	HEAT	DRY	406	29.5
	COOL	WET	364	26.5
MSZ-WR09NA	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ-WR12NA	HEAT	DRY	406	29.5
	COOL	WET	286	21.0
MSZ-WR18NA	HEAT	DRY	625	42.6
	COOL	WET	562	38.4
MSZ-WR24NA	HEAT	DRY	702	47.7
	COOL	WET	632	43.1
MLZ-KP09NA	DRY	DRY	311	20.7
	WET	WET	325	21.7
MLZ-KP12NA	DRY	DRY	332	22.1
	COOL	WET	350	23.3
MLZ-KP18NA	HEAT	DRY	403	26.7
	COOL	WET	417	27.6

*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.

Heating Capacity

Outdoor Temperature (° F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
MSZ-FS06NA-U1 / MUZ-FS06NA-U1	Heating Capacity (BTU/H)	14,445	13,703	12,962		12,149	11,037	9,924	8,700	7,721
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	89%
MSZ-FS09NA-U1 / MUZ-FS09NA-U1	Heating Capacity (BTU/H)	18,554	17,631	16,707		15,068	13,304	11,540	9,600	8,048
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	84%
MSZ-FS12NA-U1 / MUZ-FS12NA-U1	Heating Capacity (BTU/H)	21,714	20,524	19,333		18,143	16,464	14,482	12,301	10,556
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	86%
MSZ-FS15NA-U1 / MUZ-FS15NA-U1	Heating Capacity (BTU/H)	24,544	23,637	22,730		21,823	19,988	18,089	16,001	14,330
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	90%
MSZ-FS18NA-U1 / MUZ-FS18NA-U1	Heating Capacity (BTU/H)	30,619	29,587	28,556		27,524	25,129	22,211	19,001	16,433
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	86%
MSZ-GL09NA/ MUZ-GL09NA	Heating Capacity (BTU/H)	10,900	10,900	10,900		10,460	9,480	8,170	6,860	-
	Percentage of Rated Capacity	100%	100%	100%		96%	87%	75%	63%	0%
MSZ-GL12NA/ MUZ-GL12NA	Heating Capacity (BTU/H)	14,400	14,400	14,110		12,960	11,660	9,790	7,920	-
	Percentage of Rated Capacity	100%	100%	98%		90%	81%	68%	55%	0%
MSZ-GL15NA/ MUZ-GL15NA	Heating Capacity (BTU/H)	18,000	17,100	16,920		16,920	16,200	13,680	11,160	-
	Percentage of Rated Capacity	100%	95%	94%		94%	90%	76%	62%	0%
MSZ-GL18NA/ MUZ-GL18NA	Heating Capacity (BTU/H)	21,600	21,600	21,600		19,440	17,060	14,900	12,520	-
	Percentage of Rated Capacity	100%	100%	100%		90%	79%	69%	58%	0%
MSZ-GL24NA/ MUZ-GL24NA	Heating Capacity (BTU/H)	27,600	27,600	27,600		26,220	23,460	19,320	15,450	-
	Percentage of Rated Capacity	100%	100%	100%		95%	85%	70%	56%	0%
MSZ-HM09NA/ MUZ-HM09NA	Heating Capacity (BTU/H)	10,900	10,570	9,480		8,500	7,300	5,990	4,680	-
	Percentage of Rated Capacity	100%	97%	87%		78%	67%	55%	43%	0%
MSZ-HM12NA/ MUZ-HM12NA	Heating Capacity (BTU/H)	12,200	12,200	11,220		10,120	9,020	7,440	5,850	-
	Percentage of Rated Capacity	100%	100%	92%		83%	74%	61%	48%	0%
MSZ-HM15NA/ MUZ-HM15NA	Heating Capacity (BTU/H)	18,000	15,300	14,940		14,400	13,680	12,240	10,620	-
	Percentage of Rated Capacity	100%	85%	83%		80%	76%	68%	59%	0%

Outdoor Temperature (° F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
MSZ-HM18NA/ MUZ-HM18NA	Heating Capacity (BTU/H)	18,000	18,000	18,000		16,560	14,580	12,780	10,980	-
	Percentage of Rated Capacity	100%	100%	100%		92%	81%	71%	61%	0%
MSZ-HM24NA/ MUZ-HM24NA	Heating Capacity (BTU/H)	26,000	24,440	22,360		20,020	17,680	15,600	13,260	-
	Percentage of Rated Capacity	100%	94%	86%		77%	68%	60%	51%	0%
MSZ-D30NA/ MUZ-D30NA	Heating Capacity (BTU/H)	32,600	28,030	25,420		22,820	19,880	-	-	-
	Percentage of Rated Capacity	100%	86%	78%		70%	61%	0%	0%	0%
MSZ-D36NA/ MUZ-D36NA	Heating Capacity (BTU/H)	35,200	29,560	27,450		25,340	22,880	-	-	-
	Percentage of Rated Capacity	100%	84%	78%		72%	65%	0%	0%	0%
MSZ-JP09NA/ MUZ-JP09NA	Heating Capacity (BTU/H)	10,900	10,570	9,480		8,500	7,300	5,990	4,680	-
	Percentage of Rated Capacity	100%	97%	87%		78%	67%	55%	43%	0%
MSZ-JP12NA/ MUZ-JP12NA	Heating Capacity (BTU/H)	12,200	12,200	11,220		10,120	9,020	7,440	5,850	-
	Percentage of Rated Capacity	100%	100%	92%		83%	74%	61%	48%	0%
MSZ-WR09NA/ MUZ-WR09NA	Heating Capacity (BTU/H)	10,900	10,570	9,480		8,500	7,300	5,990	-	-
	Percentage of Rated Capacity	100%	97%	87%		78%	67%	55%	0%	0%
MSZ-WR12NA/ MUZ-WR12NA	Heating Capacity (BTU/H)	12,200	12,200	11,220		10,120	9,020	7,440	-	-
	Percentage of Rated Capacity	100%	100%	92%		83%	74%	61%	0%	0%
MSZ-WR18NA/ MUZ-WR18NA	Heating Capacity (BTU/H)	18,000	18,000	18,000		16,560	14,580	12,780	-	-
	Percentage of Rated Capacity	100%	100%	100%		92%	81%	71%	0%	0%
MSZ-WR24NA/ MUZ-WR24NA	Heating Capacity (BTU/H)	26,000	24,440	22,360		20,020	17,680	15,600	-	-
	Percentage of Rated Capacity	100%	94%	86%		77%	68%	60%	0%	0%
MFZ-KJ09NA/ MUFZ-KJ09NAHZ	Heating Capacity (BTU/H)	11,000	11,000	11,000		11,000	11,000	11,000	9,130	7,260
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	83%	66%
MFZ-KJ12NA/ MUFZ-KJ12NAHZ	Heating Capacity (BTU/H)	13,000	13,000	13,000		13,000	13,000	13,000	10,790	8,450
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	83%	65%
MFZ-KJ15NA/ MUFZ-KJ15NAHZ	Heating Capacity (BTU/H)	18,000	18,000	18,000		18,000	18,000	18,000	14,940	13,860
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	83%	77%
MFZ-KJ18NA/ MUFZ-KJ18NAHZ	Heating Capacity (BTU/H)	21,000	21,000	21,000		21,000	21,000	21,000	18,480	15,960
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	88%	76%
MLZ-KP09NA/ SUZ-KA09NA2	Heating Capacity (BTU/H)	12,000	10,620	9,230		7,840	6,450	5,090	3,770	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%

Outdoor Temperature (° F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
MLZ-KP12NA/ SUZ-KA12NA2	Heating Capacity (BTU/H)	15,400	13,630	11,850		10,060	8,280	6,540	4,840	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
MLZ-KP18NA/ SUZ-KA18NA2	Heating Capacity (BTU/H)	20,000	17,700	15,390		13,060	10,760	8,490	6,290	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
MLZ-KP09NA/ SUZ-KA09NAHZ	Heating Capacity (BTU/H)	12,000	12,000	12,000		12,000	12,000	12,000	8,640	5,160
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	100%
MLZ-KP12NA/ SUZ-KA12NAHZ	Heating Capacity (BTU/H)	15,000	15,000	15,000		15,000	15,000	15,000	10,800	6,450
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
MLZ-KP18NA/ SUZ-KA18NAHZ	Heating Capacity (BTU/H)	18,600	18,600	18,600		18,600	18,600	18,600	13,392	7,998
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SLZ-KF09NA/ SUZ-KA09NA2	Heating Capacity (BTU/H)	11,000	9,730	8,460		7,180	5,920	4,670	3,460	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SLZ-KF12NA/ SUZ-KA12NA2	Heating Capacity (BTU/H)	13,000	11,510	10,000		8,490	6,990	5,520	4,080	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SLZ-KF15NA/ SUZ-KA15NA2	Heating Capacity (BTU/H)	18,000	15,930	13,850		11,760	9,680	7,640	5,660	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SLZ-KF18NA/ SUZ-KA18NA2	Heating Capacity (BTU/H)	19,700	17,440	15,150		12,870	10,600	8,370	6,190	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SLZ-KF09NA/ SUZ-KA09NAHZ	Heating Capacity (BTU/H)	11,000	11,000	11,000		11,000	11,000	11,000	7,920	4,730
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SLZ-KF12NA/ SUZ-KA12NAHZ	Heating Capacity (BTU/H)	13,800	13,800	13,800		13,800	13,800	13,800	9,936	5,934
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SLZ-KF15NA/ SUZ-KA15NAHZ	Heating Capacity (BTU/H)	16,400	16,400	16,400		16,400	16,400	16,400	11,808	7,052
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SLZ-KF18NA/ SUZ-KA18NAHZ	Heating Capacity (BTU/H)	18,800	18,800	18,800		18,800	18,800	18,800	13,536	8,084
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SEZ-KD09NA4/ SUZ-KA09NA2	Heating Capacity (BTU/H)	12,000	10,620	9,230		7,840	6,450	5,090	3,770	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SEZ-KD12NA4/ SUZ-KA12NA2	Heating Capacity (BTU/H)	15,000	13,280	11,540		9,800	8,070	6,370	4,710	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%

Outdoor Temperature (° F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
SEZ-KD15NA4/ SUZ-KA15NA2	Heating Capacity (BTU/H)	18,000	15,930	13,850		11,760	9,680	7,640	5,660	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SEZ-KD18NA4/ SUZ-KA18NA2	Heating Capacity (BTU/H)	21,600	19,120	16,620		14,110	11,620	9,170	6,790	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SEZ-KD09NA4/ SUZ-KA09NAHZ	Heating Capacity (BTU/H)	12,500	12,500	12,500		12,500	12,500	12,500	9,000	5,375
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SEZ-KD12NA4/ SUZ-KA12NAHZ	Heating Capacity (BTU/H)	15,000	15,000	15,000		15,000	15,000	15,000	10,800	6,450
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SEZ-KD15NA4/ SUZ-KA15NAHZ	Heating Capacity (BTU/H)	18,000	18,000	18,000		18,000	18,000	18,000	12,960	7,740
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SEZ-KD18NA4/ SUZ-KA18NAHZ	Heating Capacity (BTU/H)	21,600	21,600	21,600		21,600	21,600	21,600	15,552	9,288
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
PEAD-A09AA7/ SUZ-KA09NA2	Heating Capacity (BTU/H)	12,000	10,620	9,230		7,840	6,450	5,090	3,770	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
PEAD-A12AA7/ SUZ-KA12NA2	Heating Capacity (BTU/H)	15,000	13,280	11,540		9,800	8,070	6,370	4,710	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
PEAD-A15AA7/ SUZ-KA15NA2	Heating Capacity (BTU/H)	18,000	15,930	13,850		11,760	9,680	7,640	5,660	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
PEAD-A18AA7/ SUZ-KA18NA2	Heating Capacity (BTU/H)	21,600	19,120	16,620		14,110	11,620	9,170	6,790	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
PEAD-A24AA7/ SUZ-KA24NA2	Heating Capacity (BTU/H)	25,000	22,130	19,230		16,330	13,450	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
PEAD-A30AA7/ SUZ-KA30NA2	Heating Capacity (BTU/H)	30,000	26,560	23,080		19,600	16,140	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
PEAD-A36AA7/ SUZ-KA36NA2	Heating Capacity (BTU/H)	33,500	29,660	25,770		21,890	18,030	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
PEAD-A09AA7/ SUZ-KA09NAHZ	Heating Capacity (BTU/H)	12,000	12,000	12,000		12,000	12,000	12,000	8,640	5,160
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
PEAD-A12AA7/ SUZ-KA12NAHZ	Heating Capacity (BTU/H)	15,000	15,000	15,000		15,000	15,000	15,000	10,800	6,450
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%

Outdoor Temperature (° F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
PEAD-A15AA7/ SUZ-KA15NAHZ	Heating Capacity (BTU/H)	18,000	18,000	18,000		18,000	18,000	18,000	12,960	7,740
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
PEAD-A18AA7/ SUZ-KA18NAHZ	Heating Capacity (BTU/H)	21,600	21,600	21,600		21,600	21,600	21,600	15,552	9,288
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
PEAD-A24AA7/ SUZ-KA24NAHZ	Heating Capacity (BTU/H)	25,000	25,000	25,000		25,000	25,000	25,000	22,250	20,000
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%
PEAD-A30AA7/ SUZ-KA30NAHZ	Heating Capacity (BTU/H)	32,000	32,000	32,000		32,000	32,000	32,000	28,480	25,600
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%
PEAD-A36AA7/ SUZ-KA36NAHZ	Heating Capacity (BTU/H)	37,000	37,000	37,000		37,000	37,000	37,000	32,930	29,600
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%
SVZ-KP12NA/ SUZ-KA12NA2	Heating Capacity (BTU/H)	15,000	13,280	11,540		9,800	8,070	6,370	4,710	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SVZ-KP18NA/ SUZ-KA18NA2	Heating Capacity (BTU/H)	21,600	19,120	16,620		14,110	11,620	9,170	6,790	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	42%	31%	0%
SVZ-KP24NA/ SUZ-KA24NA2	Heating Capacity (BTU/H)	25,000	22,130	19,230		16,330	13,450	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
SVZ-KP30NA/ SUZ-KA36NA2	Heating Capacity (BTU/H)	30,000	26,560	23,080		19,600	16,140	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
SVZ-KP36NA/ SUZ-KA36NA2	Heating Capacity (BTU/H)	33,500	29,660	25,770		21,890	18,030	-	-	-
	Percentage of Rated Capacity	100%	89%	77%		65%	54%	0%	0%	0%
SVZ-KP12NA/ SUZ-KA12NAHZ	Heating Capacity (BTU/H)	15,000	15,000	15,000		15,000	15,000	15,000	10,800	6,450
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SVZ-KP18NA/ SUZ-KA18NAHZ	Heating Capacity (BTU/H)	21,600	21,600	21,600		21,600	21,600	21,600	15,552	9,288
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	72%	43%
SVZ-KP24NA/ UZ-KA24NAHZ	Heating Capacity (BTU/H)	23,000	23,000	23,000		23,000	23,000	23,000	20,470	18,400
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%
SVZ-KP30NA/ SUZ-KA30NAHZ	Heating Capacity (BTU/H)	32,000	32,000	32,000		32,000	32,000	32,000	28,480	25,600
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%
SVZ-KP36NA/ SUZ-KA36NAHZ	Heating Capacity (BTU/H)	37,000	37,000	37,000		37,000	37,000	37,000	32,930	29,600
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	89%	80%

Outdoor Temperature (º F)		50	41.0	32.0		23.0	14.0	5.0	-4	-13
MXZ-2C20NA2	Heating Capacity (BTU/H)	22,000	22,000	18,920		15,840	12,980	9,900	-	-
	Percentage of Rated Capacity	100%	100%	86%		72%	59%	45%	0%	0%
MXZ-3C24NA2	Heating Capacity (BTU/H)	25,000	25,000	24,000		20,750	17,250	13,250	-	-
	Percentage of Rated Capacity	100%	100%	96%		83%	69%	53%	0%	0%
MXZ-3C30NA2	Heating Capacity (BTU/H)	28600	28600	28020		24,310	20,300	15,730	-	-
	Percentage of Rated Capacity	100%	100%	98%		85%	71%	55%	0%	0%
MXZ-4C36NA2	Heating Capacity (BTU/H)	36000	36000	33480		29,160	24,120	18,720	-	-
	Percentage of Rated Capacity	100%	100%	93%		81%	67%	52%	0%	0%
MXZ-5C42NA2	Heating Capacity (BTU/H)	45000	45000	41850		36,450	30,150	23,400	-	-
	Percentage of Rated Capacity	100%	100%	93%		81%	67%	52%	0%	0%
MXZ-8C48NA2	Heating Capacity (BTU/H)	48000	48000	48000		39,840	32,160	28,800	25,440	-
	Percentage of Rated Capacity	100%	100%	100%		83%	67%	60%	53%	0%
MXZ-8C60NA2	Heating Capacity (BTU/H)	60000	60000	60000		51,000	40,800	36,000	31,200	-
	Percentage of Rated Capacity	100%	100%	100%		85%	68%	60%	52%	0%
MXZ-2C20NAHZ2	Heating Capacity (BTU/H)	22,000	22,000	22,000		22,000	22,000	22,000	21,120	20,460
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	96%	93%
MXZ-3C24NAHZ2	Heating Capacity (BTU/H)	25,000	25,000	25,000		25,000	25,000	25,000	23,750	22,500
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	95%	90%
MXZ-3C30NAHZ2	Heating Capacity (BTU/H)	28,600	28,600	28,600		28,600	28,600	28,600	26,880	25,160
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	94%	88%
MXZ-4C36NAHZ2	Heating Capacity (BTU/H)	36,000	36,000	36,000		36,000	36,000	36,000	31,680	27,360
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	88%	76%
MXZ-5C42NAHZ2	Heating Capacity (BTU/H)	42,000	42,000	42,000		42,000	42,000	42,000	36,960	31,920
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	88%	76%
MXZ-8C48NAHZ2	Heating Capacity (BTU/H)	48,000	48,000	48,000		48,000	48,000	48,000	42,240	36,480
	Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	88%	76%

MXZ-Series Accessories
BV-Series Ball Valves

- Engineered for Mini-split and Multi-split HVAC Units

- Full Port Design

- 700 PSIG Rated

- R-410A Compatible

- Flare Connections

- Forged and machined one-piece unibody construction

- Sizes available: 1/4"; 3/8"; 1/2"; 5/8"

- Fully factory assembled

- Furnace brazed and pressure tested

- Each ball valve is equipped with 4-1/4" Schrader® valve for refrigerant service

- Design working pressure: 700 PSIG

- Temperature range: -40° F to +325° F (-40° C to +149° C)

- Forged and machined brass unibody designed with forged brass seal cap

- Polytetrafluoroethylene (PTFE) seals and gaskets (no synthetic O-rings)

- Seal cap design permits valve operation without removal of seal cap

- Uses suitable for/with R-11, R-22, R-123, R-125, R-134A, R-236FA, R-4202A, R-402B, R-404A, R-407C, R-410A, R-500, R-502, and R-507

- One-year limited materials and workmanship warranty on ball valves

Model numbers:
BV14FFSI2
BV38FFSI2
BV12FFSI2
BV58FFSI2

LISTED 891N
REFRIGERANT
VALVE

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

Lift the Mitsubishi Electric Comfort Solution outdoor unit to new heights with our Diamondback Platform Stands.

- Easy to install

- Available for all sizes of M- and P-Series outdoor units

- Color matched to the outdoor units

- One-year warranty
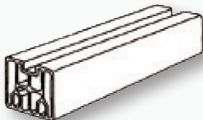
Model Number: DSD-400N
L: 15-3/4" x W: 3-1/4" x H: 3-1/4"

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 a 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 technology has changed the way heat pumps are used. Because the INVERTER-driven compressor 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 oversized. 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.

MSZ/MUZ-FH09NA(H)
Heating Capacity

	Outdoor Temperature				Outdoor Temperature				
	50° F	41° F	32° F		23° F	14° F	5° F	-4° F	-13° F
Heating Capacity (BTU/H)	18,554	17,631	16,707		15,068	13,304	11,540	9,600	8,048
Percentage of Rated Capacity	100%	100%	100%		100%	100%	100%	100%	84%

Cooling Capacity

Indoor Air	Outdoor intake air DB temperature (°F)							Outdoor intake air DB temperature (°F)								
IWB (°F)	75			85				95			105			115		
	TC	SHC	TPC	TC	SHC	TPC		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
71	11.0	8.7	0.5	10.3	8.1	0.55		9.7	7.6	0.59	9.0	7.1	0.62	8.3	6.5	0.64
67	10.4	9.6	0.47	9.7	8.9	0.52		9.0	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	0.50		8.5	8.9	0.53	7.7	8.1	0.57	7.0	7.4	0.59

Notes: IWB: Intake air wet-bulb temperature, TC: Total capacity, SHC: Sensible heat capacity, TPC: Total power consumption (kW)

kumo cloud®

kumo cloud is a cloud service hosted by Mitsubishi Electric Heating & Air Conditioning to remotely or locally control your Mitsubishi Electric indoor units. This is achievable by installing the Wireless Interface (PAC-USWHS002-WF-2) in each indoor unit.

The 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 for a Mitsubishi Electric indoor unit to be controlled remotely or locally with the kumo cloud® app and web service available in:
- Apple App Store iOS® 9.0 and newer
- Google Play Android™ 4.1 and newer
- Amazon Appstore 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 Celsius
- Error and Filter notification
- Manual setup to add units
- Internet access is required for initial setup and scheduling
- A Mitsubishi Electric Wireless interface (PAC-USWHS002-WF-2) installed by a professional contractor
- Smartphone with kumo cloud app required
- IFTTT Applet integration to control transfer fans, lighting and much more
- Integrate control of third party emergency hydronic heat in low ambient conditions

Download on the App Store

available at amazon appstore

GET IT ON Google play

WORKS WITH alexa

works with the Google Assistant

Works with IFTTT

Apple and the App Store are registered trademarks of Apple, Inc.
Amazon, Alexa, Fire and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
Google play is a registered trademark of Google, Inc.
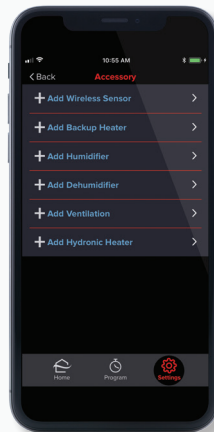
Controllers

kumo station®

Specifications

- 4 outputs to control auxiliary heat, hydronic heat, humidifier, dehumidifier, ERV or HRV*

- Controls 1 or 2 stages of supplemental heat*

- Wireless Interface required to connect to kumo cloud®

- 24 VAC power supply required. Supplied by others

- Compatible with kumo cloud 2.6 or later

PAC-WHS01HC-E

Ducted indoor unit fan interlock may be required. Check Install Manual for details.
*Requires wireless temperature and humidity sensor.

Wireless temperature and humidity sensor for kumo cloud

Specifications

- One wireless remote sensor per Wireless Interface 2

- Connects via Bluetooth Low Energy with Wireless Interface 2

- Specified open range 33 feet (10 m)

- Battery powered (1 year battery life)

- Push notifications when battery is low through kumo cloud app

PAC-USWHS003-TH-1

Wireless Interface

Specifications

- Allows for Mitsubishi Electric indoor units to communicate with kumo cloud app and web service

- Wireless connection over local wifi network

- Connected to indoor unit via CN105

- One Wireless Interface required per connected indoor unit

- Dimensions: 1.82" H x 0.69" W x 2.92" D

- Radio protocol: IEEE 802.11 b/g/n - 2.4 GHz only

- Internet access required for initial setup and scheduling

PAC-USWHS002-WF-2

kumo touch™
MHK2 Wireless Remote Controller Kit

Exclusive for INVERTER-driven
M-Series and P-Series Systems

RedLINK Wireless Remote
Controller and Reciever
MHK2

MRCH2   MIFH2

MHK2

Function	Description
ON/OFF	On/Off operation for a single indoor unit
Operation Mode	Cool/Drying/Auto/Heat/Fan only Available operation modes dependent upon connected system
Temperature Setting	Set temperature from 61° F to 86° F for M-Series and 67° F to 89° F for P-Series
System Changeover Deadband Value	2° F to 8° F
Schedule Operation	7, 5-2, 5-1-1, 1-1-1-1-1-1-1
Fan Speed Setting	Quiet/Low/Medium/High/Super High/Auto. Available fan speed settings dependent upon connected system
Airflow Direction Setting	Airflow angles: 100° - 80° - 60° - 40° and oscillate. Available airflow direction settings dependent upon connected system
Permit/Prohibit Function	Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, and Mode)
Space Temperature	Displays the measured space temperature
Error Indication	Displays error code
Dimensions — (W x D x H)	Remote Controller: 4-5/64" x 4-5/64" x 1-1/16" Receiver: 3-3/32" x 1-3/4" x 39/64
Operating Ambient Temperature	Remote Controller: 32° F to 120° F Receiver: -40° F to 165° F
Operating Ambient Humidity	Remote Controller: 5% to 90% RH (non-condensing) Receiver: 5% to 95% RH (non-condensing)
Power Supply	2 AA batteries (included)

Controller

Optional
Wireless
Interface
(required for
kumo cloud®)

Receiver

Indoor Unit

kumo touch™ Wireless Wall-mounted
Remote Controller

- Backlit touchscreen

- Dual set point is only available when the MIFH2 is connected to a Wireless Interface 2 (PAC-USWHS002-WF-2) and has been set up with kumo cloud

- Enabled with RedLINK® reliability

- Installs anywhere with simple wall-mounted design

- Requires wireless receiver (included in kit)

MIFH2 Wireless Receiver

- Required for MRCH2 Wireless Remote Controller

- Enabled with RedLINK reliability

Controllers

Handheld
Wireless Controller

Wireless
Standard for M-Series wall-mounted and floor-mounted systems and optional for SLZ, SEZ and P-Series indoor units

Operation Select (Heat, Cool, Auto, Dry)

Econo Cool

Smart Set Button

Reset

Clock Set

Sliding Cover

Fan Speed

Timer

Vane Control

HR/MIN (Time Set)

Powerful Mode and Wide Vane Control buttons are available on models
MSY(Z)-GL24/D30/D36NA
MSY(Z)-D30/D36NA

GL model remote shown, models vary

Controllers

Wired Controllers
Touch MA Remote Controller

Specifications

- User-friendly, customizable full color touch panel display

- Ability to add a custom logo on the display

- Large icons with 180 color patterns

- Daily and weekly timers

- Password protected

- Requires MAC-334IF-E for use with M-Series products

- The MELRemo app and Bluetooth® Low Energy (BLE) technology supports communication with smartphones or tablets in multiple languages.

PAR-CT01MAU-SB

Controllers

Wired Controllers | Simple MA

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

- Supports both Fahrenheit and Celsius
- User-defined functions:

PAC-YT53CRAU-J

  - On/Off
  - Operation mode:
    COOL, HEAT, FAN, DRYING, or SETBACK
  - Set temperature
  - Fan speed setting
  - Airflow direction
  - Set temperature range: 40˚ F to 95˚ F depending on operation mode and indoor unit connected

- Set temperature range limit can be reduced for cool and heat modes
- Room temperature can be sensed either at the indoor unit (default) or at the remote controller
- Diagnostics: Displays four-digit error code and error unit address
- Grouping: Same group use only with other PAC-YT53CRAU-J Simple MA Controllers, PAR-40MAAU Wired Deluxe MA Remote Controllers, and PAR-FL/A32MA Wireless MA Remote Controllers with up to two remote controllers per group
- Addressing: No addressing required
- Wiring: Connects using two-wire, stranded, non-polar control wire to indoor unit connection terminal or control adapter (MAC-334IF-E for M-Series) requires crossover wiring for indoor unit grouping
- Dimensions: 2-3/4" x 9/16" x 4-3/4" (70mm x 14.5mm x 120mm)

Controllers

Wired Controllers | Deluxe MA

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

PAR-40MAAU

- Features selectable multilingual LCD (English, Spanish, and French)
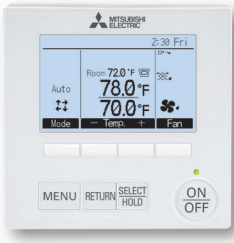
  User functions allow user to set:
- Timer Operation:

  - Weekly Timer: On/Off/Temperature setting up to 8 times per day of the week in 1-minute increments
  - Simple Timer: On and Off time can be set once within 72-hour period in 1-hour increments
  - Auto-off Timer: Turns indoor unit off based on countdown time up to 4-hours in 30-minute increments

- 3D i-see Sensor® Functions:
  - No Occupancy Auto-Off
  - Indirect/Direct mode
- 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
- Special Function Rotation/Backup (Lead/Lag for P-Series)
- Static pressure setting (model dependent)
- Fan speed setting for use with supplemental heating function (model dependent)
- 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-334IF-E for M-Series) requires crossover wiring for indoor unit grouping
- Dimensions: 4-3/4" x 3/4" x 4-3/4" (120mm x 19mm x 120 mm)

Controllers

Third Party Controls Interface

BACnet® & Modbus® Interface

Specifications

- Allows for third-party home automation/building management system to control indoor unit
- One interface required per indoor unit
- Powered from indoor unit CN105 connection
- Compatible with remote controllers
- Dimensions: 3.74" x 2" x 0.75"
- Cable length: 37"

PAC-UKPRC001-CN-1

Thermostat Interface Control Adapter

Specifications

- Allows an HVAC Thermostat or I/O Controller to control a Mitsubishi Electric [M-Series or P-Series] indoor unit

PAC-US444CN-1

- One Thermostat Interface required per indoor unit
- Indoor unit modes available: Cool, Heat, Fan, and Off
- Provides three input terminals to control fan speed control: High, Medium, and Low
- No addressing required

Controllers

Specifications continued…

- Thermostats tested:
    - Nest®
    - Honeywell® Lyric™
    - INNCOM® by Honeywell® with High and Low fan speed control

- Dimensions: (H x W x D) 3.96" x 3.17" x 0.93"
- 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 power supply for HVAC Thermostat (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
- Optional accessory transformer (VPL24-210) to be used with multiposition indoor units

P-Series Indoor Units

Connect to cooling-only PUY, heat pump PUZ, and Hyper-Heating PUZ-HA INVERTER-driven compressor outdoor units.

PKA Wall-mounted Series

Cooling-only and Heat Pumps

- Provides cooling and heating in a wide range of capacities

- Auto flap shutter

- Auto fan control

- Easy-clean washable filters

(12,000 to 36,000 BTU/H)

PCA Ceiling-suspended Series

Cooling-only and Heat Pumps

- Optional i-see Sensor™

- Knockout for ventilation air

- Auto fan speed control

- Optional, high-efficiency filter

(24,000 to 42,000 BTU/H)

PLA Ceiling-recessed Series

Cooling-only and Heat Pumps

- Built-in condensate lift mechanism (33" lift)

- Branch duct outlet

- Standard with 3D i-see Sensor®

- Knockout for ventilation air

(12,000 to 42,000 BTU/H)

PVA Multi-position Air Handling Units

Provides cooling and heating to larger zones

- 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

- Multi-position installation: horizontal (left or right), vertical (up or down). For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blow-off in certain conditions

- 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

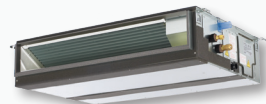- Air Quality: Positively pressurized cabinet and tested air leakage less than 1%

(12,000 to 42,000 BTU/H)

PEAD Horizontal Ducted Series

Cooling-only and Heat Pumps

- Automatic fan speed control

- Built-in condensate lift mechanism (27-9/16" lift)

- Adjustable static pressure

(9,000 to 42,000 BTU/H)

P-Series Systems

PLA
Four-way Ceiling Cassette

Model Specifications

(air conditioners)
(heat pumps)

PUY/Z-A18NKA7

PLA-A18EA7

Indoor Unit Model #	PLA-A12EA7	PLA-A18EA7		PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
Outdoor Unit Model # (Cooling Only)	PUY-A12NKA7	PUY-A18NKA7		PUY-A24NHA7	PUY-A30NHA7	PUY-A36NHA7	PUY-A42NKA7
Outdoor Unit Model # (Heat Pump)	PUZ-A12NKA7	PUZ-A18NKA7		PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7	PUZ-A42NKA7
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	30,000	36,000	42,000
Cooling Capacity Range (BTU/H)	5,800 – 12,000	8,000 – 18,000		10,000 – 24,000	9,000 – 30,000	16,000 – 36,000	16,000 – 42,000
Rated Heating Capacity (BTU/H)	14,000	19,000		26,000	32,000	38,000	45,000
Heating Capacity Range (BTU/H)	5,500 – 20,000	7,900 – 23,000		9,000 – 29,000	9,000 – 33,000	18,000 – 42,000	18,000 – 48,000
Max. Heating Capacity at 17° F (BTU/H)	12,940	14,881		18,763	21,351	27,174	31,056
Max. Heating Capacity at 5° F (BTU/H)	N/A	N/A		16,878	19,206	24,444	27,936
SEER	27.0	24.6		24.2	22.8	21.8	21.0
HSPF	12.8	11.0		11.2	11.6	10.4	10.0
EER	16.4	14.4		14.3	11.8	12.9	11.6
Airflow at Cooling (CFM)	530-490-460-420	600-570-490-460		810-710-640-530	880-780-670-570	1,200-1,020-850-670	1,200-1,060-920-740
Airflow at Heating (CFM)	530-490-460-420	600-570-490-460		810-710-640-530	880-780-670-570	1,200-1,020-850-670	1,200-1,060-920-740
Lineset Size (Liquid x Gas)	1/4" x 1/2"			3/8" x 5/8"			
Max. Piping Length/Height (PUY)	165'/100'			225'/100'			
Max. Piping Length/Height (PUZ)	100'/100'			165'/100'			
Breaker Size	15 AMP			25 AMP		30 AMP	
Cooling Operation Range — PUY	-40° to 115° F**			-40° to 115° F**			
Cooling Operation Range — PUZ	0° to 115° F**			0° to 115° F**			
Heating Operation Range*	12° to 70° F			-4° to 70° F			
Multi-split Connection	Yes			Yes			No

*Heat pump only; **When wind baffle is installed

P-Series models 12K–30K BTU/H are pre-charged for up to a 70' lineset.
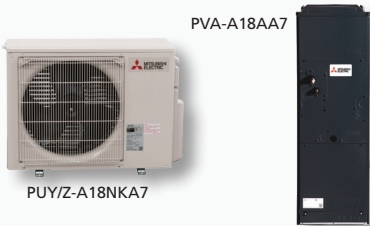PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset
Test conditions are based on AHRI 210/240.

P-Series Systems

PVA
Multi-position Air Handler

Model Specifications

(air conditioners)
(heat pumps)

PVA-A18AA7

PUY/Z-A18NKA7

Indoor Unit Model #	PVA-A12AA7	PVA-A18AA7		PVA-A24AA7	PVA-A30AA7	PVA-A36AA7	PVA-A42AA7
Outdoor Unit Model # (Cooling Only)	PUY-A12NKA7	PUY-A18NKA7		PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7	PUY-A42NKA7
Outdoor Unit Model # (Heat Pump)	PUZ-A12NKA7	PUZ-A18NKA7		PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7	PUZ-A42NKA7
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	30,000	36,000	42,000
Cooling Capacity Range (BTU/H)	4,800–12,000	7,000–18,000		10,000–24,000	10,000–30,000	14,600–36,000	15,000–42,000
Rated Heating Capacity (BTU/H)	14,000	19,000		26,000	32,000	38,000	46,000
Heating Capacity Range (BTU/H)	5,700–19,000	7,700–23,000		12,000–28,000	12,000–34,000	17,700–42,000	18,100–48,000
Max. Heating Capacity at 17° F (BTU/H)	12,293	14,881		18,116	21,998	27,174	31,056
Max. Heating Capacity at 5° F (BTU/H)	N/A	N/A		N/A	N/A	N/A	N/A
SEER	21.4	20.2		20.5	19.0	19.3	18.0
HSPF	10.3	10.4		9.3	10.0	9.5	9.3
EER	13.4	11.4		12.2	10.0	9.8	10.1
Airflow at Cooling (CFM)	400-340-380	735-625-515		875-744-613		1,125-956-788	1,485-1,262-1,040
Airflow at Heating (CFM)	400-340-380	735-625-515		875-744-613		1,125-956-788	1,485-1,262-1,040
Lineset Size (Liquid x Gas)	1/4" x 1/2"			3/8" x 5/8"			
ESP (in. WG)	0.80-0.50-0.30			0.80-0.50-0.30			
Max. Piping Length/Height (PUY)	165'/100'			225'/100'			
Max. Piping Length/Height (PUZ)	100'/100'			165'/100'			
Breaker Size	15 AMP			25 AMP		30 AMP	
Cooling Operation Range — PUY	-40° to 115° F**			-40° to 115° F**			
Cooling Operation Range* — PUZ	0° to 115° F**			0° to 115° F**			
Heating Operation Range*	12° to 70° F			-4° to 70° F			
Multi-split Connection	No			No			

*Heat pump only; **When wind baffle is installed

P-Series models 12K–30K BTU/H are pre-charged for up to a 70' lineset.
PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset

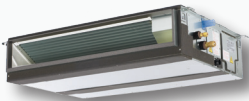Test conditions are based on AHRI 210/240.

P-Series Systems

PEAD
Mid Static Horizontal-ducted Indoor Unit

Model Specifications

(air conditioners)
(heat pumps)

PUY/Z-A18NKA7

PEAD-A18AA7

Indoor Unit Model #	PEAD-A12AA7	PEAD-A18AA7		PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	PEAD-A42AA7
Outdoor Unit Model # (Cooling Only)	PUY-A12NKA7	PUY-A18NKA7		PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7	PUY-A42NKA7
Outdoor Unit Model # (Heat Pump)	PUZ-A12NKA7	PUZ-A18NKA7		PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7	PUZ-A42NKA7
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	30,000	36,000	42,000
Cooling Capacity Range (BTU/H)	5,000–12,000	8,000–18,000		10,000–24,000	9,000–30,000	16,000–36,000	16,000–42,000
Rated Heating Capacity (BTU/H)	14,000	19,000		26,000	32,000	38,000	45,000
Heating Capacity Range (BTU/H)	5,800–18,000	7,900–22,000		9,000–28,000	8,800–34,000	18,200–40,000	18,100–48,000
Max. Heating Capacity at 17° F (BTU/H)	11,646	14,234		18,116	21,998	25,880	31,056
Max. Heating Capacity at 5° F (BTU/H)	N/A	N/A		16,296	19,788	24,444	27,936
SEER	21.1	19.9		19.6	19.1	19.1	16.1
HSPF	10.2	10.2		10.8	10.8	9.9	10.0
EER	13.0	10.8		11.7	10.0	12.0	10.7
Airflow at Cooling (CFM)	494-424-353	600-512-424		741-635-512	883-742-618	1,201-1,024-847	1,483-1,254-1,042
Airflow at Heating (CFM)	494-424-353	600-512-424		741-635-512	883-742-618	1,201-1,024-847	1,483-1,254-1,042
ESP (IN. WG)	0.60-0.40-0.28-0.20-0.14			0.60-0.40-0.28-0.20-0.14			
Lineset Size (Liquid x Gas)	1/4" x 1/2"			3/8" x 5/8"			
Max. Piping Length/Height (PUY)	165'/100'			225'/100'			
Max. Piping Length/Height (PUZ)	100'/100'			165'/100'			
Breaker Size	15 AMP			25 AMP		30 AMP	
Cooling Operation Range—PUY	-40° to 115° F**			-40° to 115° F**			
Cooling Operation Range*—PUZ	0° to 115° F**			0° to 115° F**			
Heating Operation Range*	12° to 70° F			-4° to 70° F			
Multi-split Connection	Yes			Yes		No	

*Heat pump only; **When wind baffle is installed

P-Series models 12K-30K BTU/H are pre-charged for up to a 70' lineset.
PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset

Test conditions are based on AHRI 210/240.

P-Series Systems

PKA
Wall-mounted Indoor Unit

Model Specifications

(air conditioners)
(heat pumps)

PUY/Z-A18NKA7

PKA-A18HA7

Indoor Unit Model #	PKA-A12HA7	PKA-A18HA7		PKA-A24KA7	PKA-A30KA7	PKA-A36KA7
Outdoor Unit Model # (Cooling Only)	PUY-A12NKA7	PUY-A18NKA7		PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7
Outdoor Unit Model # (Heat Pump)	PUZ-A12NKA7	PUZ-A18NKA7		PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7
Rated Cooling Capacity (BTU/H)	12,000	18,000		24,000	30,000	36,000
Cooling Capacity Range (BTU/H)	5,800–12,000	8,000–18,000		10,000–24,000	9,000–30,000	16,000–36,000
Rated Heating Capacity (BTU/H)	14,000	19,000		26,000	32,000	38,000
Heating Capacity Range (BTU/H)	5,500–18,000	7,700–22,000		9,000–28,000	8,900–34,000	18,200–40,000
Max. Heating Capacity at 17° F (BTU/H)	11,646	14,234		18,116	21,998	25,880
Max. Heating Capacity at 5° F (BTU/H)	N/A	N/A		16,296	19,788	23,280
SEER	20.8	18.5		21.4	19.8	18.8
HSPF	10.2	10.2		11.0	9.9	9.2
EER	12.0	9.9		12.2	9.5	10.8
Airflow at Cooling (CFM)	425-370-320			775-705-635		920-810-705
Airflow at Heating (CFM)	425-370-320			775-705-635		920-810-705
Lineset Size (Liquid x Gas)	1/4" x 1/2"			3/8" x 5/8"		
Max. Piping Length/Height (PUY)	165'/100'			225'/100'		
Max. Piping Length/Height (PUZ)	100'/100'			165'/100'		
Breaker Size	15 AMP			30 AMP		
Cooling Operation Range — PUY	-40° to 115° F**			-40° to 115° F**		
Cooling Operation Range* — PUZ	0° to 115° F**			0° to 115° F**		
Heating Operation Range*	12° to 70° F			-4° to 70° F		
Multi-split Connection	No			No		

*Heat pump only; **When wind baffle is installed

P-Series models 12K–30K BTU/H are pre-charged for up to a 70' lineset.
PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset

Test conditions are based on AHRI 210/240.

P-Series Systems

PCA
Ceiling-suspended Indoor Unit

Model Specifications

(air conditioners)
(heat pumps)

PUY/Z-A24NHA7

PCA-A24KA7

Indoor Unit Model #	PCA-A24KA7	PCA-A30KA7		PCA-A36KA7	PCA-A42KA7
Outdoor Unit Model # (Cooling Only)	PUY-A24NHA7	PUY-A30NHA7		PUY-A36NKA7	PUY-A42NKA7
Outdoor Unit Model # (Heat Pump)	PUZ-A24NHA7	PUZ-A30NHA7		PUZ-A36NKA7	PUZ-A42NKA7
Rated Cooling Capacity (BTU/H)	24,000	30,000		36,000	42,000
Cooling Capacity Range (BTU/H)	10,000–24,000	9,000–30,000		16,000–36,000	16,000–42,000
Rated Heating Capacity (BTU/H)	26,000	32,000		38,000	45,000
Heating Capacity Range (BTU/H)	8,800–28,000	8,600–34,000		17,900–40,000	18,100–48,000
Max. Heating Capacity at 17° F (BTU/H)	18,116	21,998		25,880	31,056
Max. Heating Capacity at 5° F (BTU/H)	16,296	19,788		23,280	27,936
SEER	21.2	19.6		19.1	17.6
HSPF	10.8	10.0		10.2	10.2
EER	12.2	9.4		11.0	10.2
Airflow at Cooling (CFM)	670-600-565-530	705-635-600-565		990-920-850-775	1,025-955-885-810
Airflow at Heating (CFM)	670-600-565-530	705-635-600-565		990-920-850-775	1,025-955-885-810
Lineset Size (Liquid x Gas)	3/8" x 5/8"			3/8" x 5/8"	
Max. Piping Length/Height (PUY)	225'/100'			225'/100'	
Max. Piping Length/Height (PUZ)	165'/100'			165'/100'	
Breaker Size	25 AMP			30 AMP	
Cooling Operation Range—PUY	-40° to 115° F**			-40° to 115° F**	
Cooling Operation Range*—PUZ	0° to 115° F**			0° to 115° F**	
Heating Operation Range*	-4° to 70° F			-4° to 70° F	
Multi-split Connection	Yes	No		No	

*Heat pump only; **When wind baffle is installed

P-Series models 12K–30K BTU/H are pre-charged for up to a 70' lineset.
PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset

Test conditions are based on AHRI 210/240.

P-Series Systems

PLA/PCA

Model Specifications

(hyper-heating heat pumps)

PCA-A42KA7

PLA-A42EA7
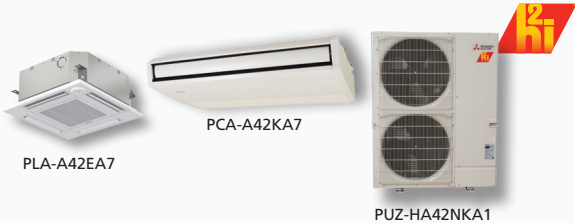
PUZ-HA42NKA1

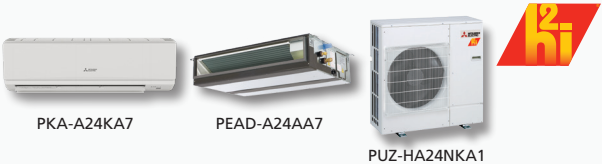| Indoor Model #	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7		PLA-A42EA7	PCA-A24KA7	PCA-A30KA7	PCA-A36KA7	PCA-A42KA7
Outdoor Model #	PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA		PUZ-HA42NKA1	PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA	PUZ-HA42NKA1
Rated Cooling Capacity (BTU/H)	24,000	30,000	36,000		42,000	23,000	30,000	34,000	42,000
Cooling Capacity Range (BTU/H)	10,000-24,000	14,600-30,000	14,800-36,000		18,800-42,000	10,000-24,000	14,300-30,000	14,900-34,000	16,600-42,000
Rated Heating Capacity (BTU/H)	26,000	32,000	38,000		48,000	26,000	32,000	38,000	48,000
Heating Capacity Range (BTU/H)	10,000-28,000	14,200-34,000	16,700-40,000		17,000-54,000	10,000-28,000	14,400-35,000	17,400-40,000	24,000-54,000
Max. Heating Capacity at 17°F (BTU/H)	26,000	32,000	38,000		48,000	26,000	32,000	38,000	48,000
Max. Heating Capacity at 5°F (BTU/H)	26,000	32,000	38,000		48,000	26,000	32,000	38,000	48,000
Max. Heating Capacity at -13°F (BTU/H)	-	-	-		-	-	-	-	-
SEER	21.5	20.2	20.0		16.3	18.5	17.9	18.0	15.5
HSPF	11.3	9.8	10.4		9.8	10.3	9.4	10.3	10.0
EER	14.03	14.1	13		10.7	12.5	12.6	12.5	10.3
Airflow at Cooling (CFM)	530-640-710-810	570-670-780-880	670-850-1020-1200		740-920-1060-1200	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1025
Airflow at Heating (CFM)	530-640-710-810	570-670-780-880	670-850-1020-1200		740-920-1060-1200	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1025
ESP (In. WG)	-	-	-		-	-	-	-	-
Lineset Size (Liquid x Gas)	3/8" x 5/8"				3/8" x 5/8"				
Max. Piping Length/Height	165'/100'	245'/100'	245'/100'		245'/100'	165'/100'	245'/100'	245'/100'	245'/100'
Breaker Size	25 AMP	35 AMP	35 AMP		40 AMP	25 AMP	35 AMP	35 AMP	40 AMP
Cooling Operation Range	23° to 113°F				23° to 113°F				
Heating Operation Range	-13° to 70°F				-13° to 70°F				

*Heat pump only; **When wind baffle is installed

P-Series models 12K – 30K BTU/H are pre-charged for up to a 70' lineset.
PUY/Z-A36/42NKA7 and H2i models are pre-charged for up to a 100' lineset

Test conditions are based on AHRI 210/240.

P-Series Systems

PKA/PEAD

Model Specifications

(hyper-heating heat pumps)

PKA-A24KA7

PEAD-A24AA7

PUZ-HA24NKA1

Indoor Model #	PKA-A24KA7	PKA-A30KA7	PKA-A36KA7		PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	PEAD-A42AA7
Outdoor Model #	PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA		PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA	PUZ-HA42NKA1
Rated Cooling Capacity (BTU/H)	24,000	30,000	33,600		24,000	30,000	36,000	42,000
Cooling Capacity Range (BTU/H)	10,000-24,000	14,600-30,000	14,700-36,000		10,000-24,000	14,600-30,000	15,600-36,000	17,100-42,000
Rated Heating Capacity (BTU/H)	26,000	32,000	38,000		25,000	32,000	38,000	48,000
Heating Capacity Range (BTU/H)	10,000-28,000	14,600-34,000	14,900-40,000		10,000-28,000	14,800-34,000	17,400-40,000	21,200-54,000
Max. Heating Capacity at 17°F (BTU/H)	26,000	32,000	38,000		25,000	32,000	38,000	48,000
Max. Heating Capacity at 5°F (BTU/H)	26,000	32,000	38,000		25,000	32,000	38,000	48,000
Max. Heating Capacity at -13°F (BTU/H)	-	-	-		-	-	-	-
SEER	19.5	18.5	18.5		16.6	18.1	17.1	15.0
HSPF	10.6	9.6	10.0		10.4	9.6	10.4	9.8
EER	12.63	12.8	12.3		11.5	12.7	12.6	10.7
Airflow at Cooling (CFM)	635-705-775	635-705-775	705-810-920		512-635-741	618-742-883	847-1024-1201	1042-1254-1483
Airflow at Heating (CFM)	635-705-775	635-705-775	705-810-920		512-635-741	618-742-883	847-1024-1201	1042-1254-1483
ESP (In. WG)	-	-	-		0.6-0.4-0.28-0.2-0.14			
Lineset Size (Liquid x Gas)	3/8" x 5/8"				3/8" x 5/8"			
Max. Piping Length/Height	165'/100'	245'/100'	245'/100'		165'/100'	245'/100'	245'/100'	245'/100'
Breaker Size	25 AMP	35 AMP	35 AMP		25 AMP	35 AMP	35 AMP	40 AMP
Cooling Operation Range	23° to 113°F				23° to 113°F			
Heating Operation Range	-13° to 70°F				-13° to 70°F			
Multi-split Connection	Yes				Yes			

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

P-Series Systems

PVA

Model Specifications
(hyper-heating heat pumps)

PVA-A24AA7

PUZ-HA24NKA1

Indoor Model #	PVA-A24AA7		PVA-A30AA7	PVA-A36AA7	PVA-A42AA7
Outdoor Model #	PUZ-HA24NHA1		PUZ-HA30NKA	PUZ-HA36NKA	PUZ-HA42NKA1
Rated Cooling Capacity (BTU/H)	24,000		30,000	33,000	42,000
Cooling Capacity Range (BTU/H)	10,000-24,000		14,800-30,000	15,500-36,000	17,000-42,000
Rated Heating Capacity (BTU/H)	26,000		32,000	38,000	48,000
Heating Capacity Range (BTU/H)	10,000-28,000		14,800-34,000	18,600-40,000	23,900-54,000
Max. Heating Capacity at 17°F (BTU/H)	26,000		32,000	38,000	48,000
Max. Heating Capacity at 5°F (BTU/H)	26,000		32,000	38,000	48,000
Max. Heating Capacity at -13°F (BTU/H)	-		-	-	-
SEER	19.0		18.0	18.2	15.4
HSPF	10.4		9.8	11.2	10.0
EER	11.4		13.0	13.0	10.6
Airflow at Cooling (CFM)	613-744-875		613-744-875	788-956-1125	1040-1262-1485
Airflow at Heating (CFM)	613-744-875		613-744-875	788-956-1125	1040-1262-1485
ESP (In. WG)	0.8-0.5-0.3		0.8-0.5-0.3		
Lineset Size (Liquid x Gas)	3/8" x 5/8"		3/8" x 5/8"		
Max. Piping Length/Height	165'/100'		245'/100'	245'/100'	245'/100'
Breaker Size	25 AMP		35 AMP	35 AMP	40 AMP
Cooling Operation Range	23° to 113°F		23° to 113°F		
Heating Operation Range	-13° to 70°F		-13° to 70°F		
Multi-split Connection	Yes		Yes		

P-Series Systems

Correction Factors

Cooling Capacity Correction Factor (x capacity)

Outdoor Unit	Refrigerant piping length (one way)							
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft	195 ft	225 ft
PUY-A12/18NKA7	1.00	0.985	0.948	0.916	0.886	0.859	—	—
PUY-A24/30NHA7	1.00	0.988	0.964	0.938	0.915	0.893	0.872	0.855
PUY-A36/42NKA7	1.00	0.985	0.948	0.916	0.886	0.859	0.838	0.818
PUZ-A12/18NKA7	1.00	0.985	0.948	0.916	—	—	—	—
PUZ-A24/30NHA7	1.00	0.988	0.964	0.938	0.915	0.893	—	—
PUZ-A36/42NKA7	1.00	0.985	0.948	0.916	0.886	0.859	—	—

Heating Capacity Correction Factors (x capacity)

Outdoor Unit	Refrigerant piping length (one way)					
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft
PUZ-A12/18NKA7	1.00	0.997	0.991	0.985	—	—
PUZ-A24/30NHA7	1.00	0.997	0.991	0.985	0.979	0.973
PUZ-A36/42NKA7	1.00	0.997	0.991	0.985	0.979	0.973

Hyper-Heating INVERTER® (H2i®)

Cooling Capacity Correction Factors (x capacity)

Outdoor Unit	Refrigerant piping length (one way)						Refrigerant piping length (one way)				
	16 ft	33 ft	70 ft	100 ft	130 ft		165 ft	180 ft	195 ft	230 ft	245 ft
PUZ-HA24NHA1	1.000	0.985	0.957	0.931	0.908		0.886	-	-	-	-
PUZ-HA30NKA1	1.000	0.985	0.957	0.931	0.908		0.886	0.876	0.865	0.846	0.838
PUZ-HA36NKA											
PUZ-HA42NKA1											

Heating Capacity Correction Factors (x capacity)

Outdoor Unit	Refrigerant piping length (one way)						Refrigerant piping length (one way)				
	16 ft	33 ft	70 ft	100 ft	130 ft		165 ft	180 ft	195 ft	230 ft	245 ft
HA24NHA1	1.000	0.997	0.991	0.985	0.979		0.973	-	-	-	-
PUZ-HA30NKA1	1.000	0.997	0.991	0.985	0.979		0.973	0.970	0.967	0.961	0.958
PUZ-HA36NKA											
PUZ-HA42NKA1											

P-Series Air Coverage Range

Outlet Air Speed and Coverage Range*

Model	Airflow (CFM)	Air Speed (ft/sec)	Coverage Range (ft)
PLA-A12EA7	530	7.8	13
PLA-A18EA7	600	8.8	14
PLA-A24EA7	810	11.9	19
PLA-A30EA7	880	12.9	21
PLA-A36EA7	1,200	17.6	28
PLA-A42EA7	1,200	17.6	28
PKA-A12HA7	425	20.0	35
PKA-A18HA7	425	20.0	35
PKA-A24KA7	775	19.7	47
PKA-A30KA7	775	19.7	47
PKA-A36KA7	920	22.3	53
PCA-A24KA7	670	10.2	32
PCA-A30KA7	705	10.5	33
PCA-A36KA7	990	11.8	41
PCA-A42KA7	1,025	12.1	42

*Air coverage represents the distance with 0.8 ft/sec air speed when blowing out horizontally from the unit operating at the high fan speed. This is a general guideline; actual coverage depends on size and layout of the room.

Installation

Required Tools for Installation

- Phillips screwdriver
- Pipe cutter with reamer
- Level
- Flaring tool
- Scale
- Nitrogen
- Utility knife or scissors
- Vacuum pump
- Micron gauge
- 3" (75mm) hole saw
- Charge hose for R410A
- 1/4"–5/8" torque wrench
- Gauge manifold for R410A
- 5/32" (4mm) hexagonal wrench
- Adjustable wrenches

Condensate Drain Pipe Installation

Yes:
Downward slope
Connection to PVC drain

No:
Do not raise
Water leakage

Accumulated drain water
Air
Water leakage
Trap

Tip of drain hose dipped in water
Ditch

M-Series Wall-Mounted System Clearances

2-7/8" or more/ 4" or more for left & left back piping using spacer

4-3/4" or more

7-7/8" or more

5' or more from floor to bottom of unit

Note: Do not obstruct air outlet

20" or more

4" or more

4" or more

20" or more

14" or more
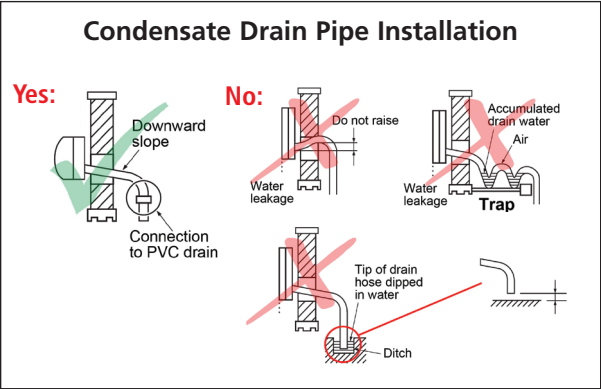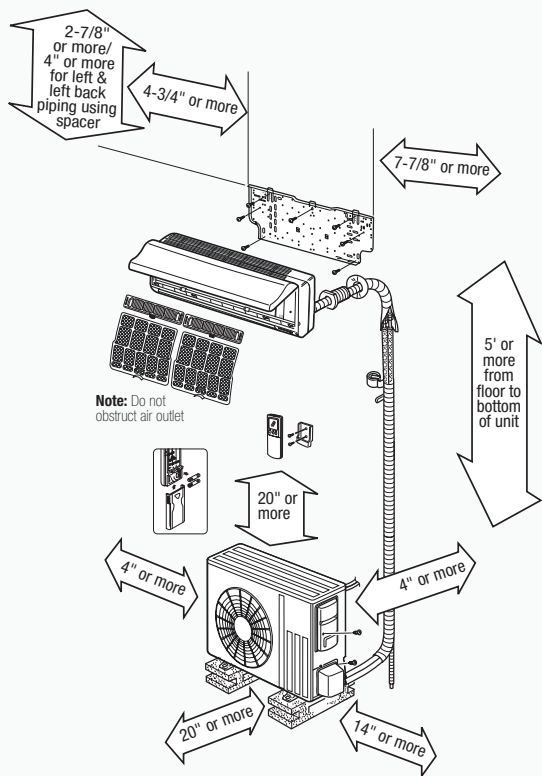
Applies to all M-Series models except MXZ-8C48/60NA2 and MXZ-4C36/5C42/8C48NAHZ2. Check installation instructions for your exact model.

M-Series Wall-Mounted System Clearances

To illustrate the minimum space required around the outdoor unit, the clearances for all P-Series models are shown below. See installation manual for the minimum clearances by model.

Basically open

3-15/16" or more if no obstacle is placed at the rear or right or left side of the unit

3-15/16"

13-25/32"

*1 *2

39-3/8"

*1

5-29/32"

2 sides should be open in the right, left and rear side.
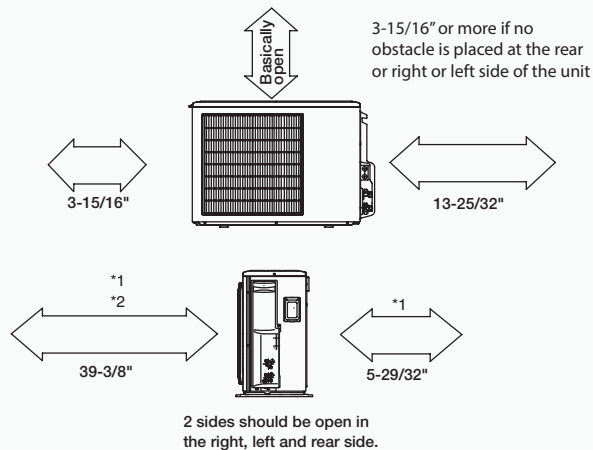
Minimum installation space for outdoor unit

*1. In a place where short cycling can occur, cooling and heating capacity will decrease and power consumption will increase by 10 percent. Air outlet guide (PAC-SJ07SG-E for PUY/PUZ-A12/18NKA7, PAC-SG59SG-E for PUY/PUZ-A24/30NHA7, or PAC-SH96SG-E for PUZ-A36/42NKA7 and PUZ-HA42NKA) will help improve capacity.

*2. If air is discharged onto a wall, the surface may discolor.

Installation

Installing Refrigerant Piping

For "Twinning" indoor units for better airflow coverage in a large or L-shaped room (For A24/A36, and HA36 outdoor units only).

Refrigerant piping limitations of length and height difference are shown in the figure below.
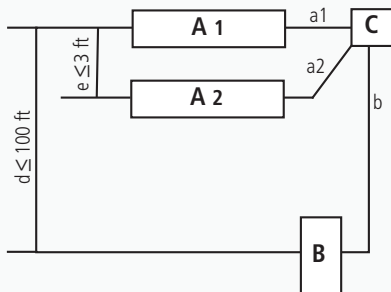
Max. length, PUY/PUZ-A24NHA/36NKA systems:

$a1 + a2 + b \leq 165$ ft*

Max. length, PUZ-HA36NHA hyper-heating systems:

$a1 + a2 + b \leq 245$ ft

*With PLA-12 < 59 ft; PLA-18 < 98 ft

Key:

A = Indoor unit

B = Outdoor unit

C = Multi distribution pipe (option)

d = Height difference (Indoor unit—Outdoor unit) Max. 100 ft.

e = Height difference (Indoor unit—Indoor unit) Max. 3 ft.

How to Check for Refrigerant Restriction:

1. Verify the refrigerant charge.

- Remove the charge and weigh it back in
- Make sure the system has the refrigerant amount specified for the line length (see Service Manual)

2. Measure for temperature differences across evaporator.

- Set unit operation to cooling and change temperature set point to lowest degree available, or switch system to emergency COOL mode
- Change fan operation to high speed
- Run system for five minutes, and then measure both the entering and leaving air temperatures with a thermometer
- The temperature differential should be around 20° F to 23° F (see Service Manual)
- Remove the charge and weigh it back in
- Make sure the system has the refrigerant amount specified for the line length (see Service Manual)
- Assuming you have verified the charge, a difference of less than 20° F means the system is restricted

A difference of 23° F or more usually means low airflow, often because dirt has built up on the fan blades. Clean the fan and coil and check temperatures again.

Note: When testing the system, remember to change the fan operation to high speed and verify that the unit is charged with the proper amount of refrigerant.
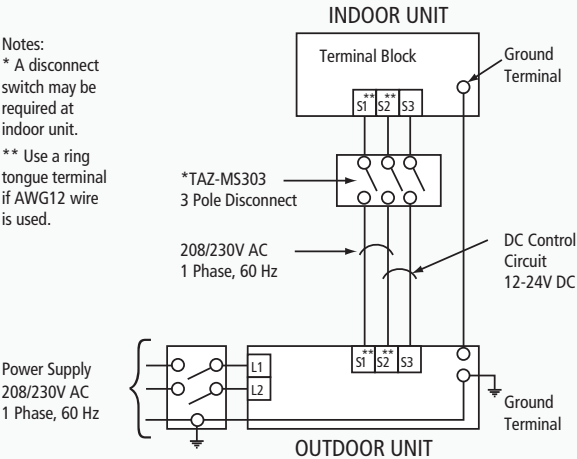
Installation

Wiring: M-Series and P-Series

- Indoor unit power is supplied from the outdoor unit

- On M-Series and P-Series models, use AWG-14-3 600 VAC-rated or AWG-16-3 600 VAC-rated copper wiring between outdoor unit and indoor unit for high voltage and controls circuits. Refer to Installation Manual as wire size can vary based on model

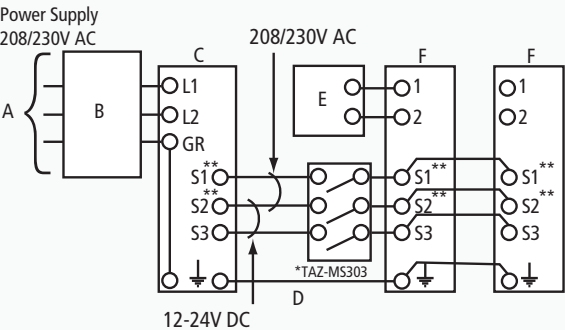- Two types of connection patterns, for 1:1 system and for P-Series "twin" operation ("twinning") are shown in the diagrams at right

Key:

A = Outdoor unit power supply

B = Wiring circuit breaker or isolating switch

C = Outdoor unit

D = Indoor unit/Outdoor unit connecting wiring

E = Remote control

F = Indoor unit

Note: All wiring shall comply with NEC and local electrical codes. See unit installation manual for details.

INDOOR UNIT

Notes:
* A disconnect switch may be required at indoor unit.

** Use a ring tongue terminal if AWG12 wire is used.

Terminal Block

Ground Terminal

S1 S2 S3

*TAZ-MS303 3 Pole Disconnect

208/230V AC 1 Phase, 60 Hz

DC Control Circuit 12-24V DC

Power Supply 208/230V AC 1 Phase, 60 Hz

L1
L2

S1 S2 S3

Ground Terminal

OUTDOOR UNIT

"Twinning" Operation

Power Supply 208/230V AC

208/230V AC

A B C L1 L2 GR

E 1 2

F 1 2

F 1 2

S1 S2 S3

S1 S2 S3

S1 S2 S3

*TAZ-MS303

D

12-24V DC

114

115

Installation

Test Run

1. Turn power on to outdoor unit.
2. Press the emergency operation button once. The test will run for 30 minutes. If the LED light blinks every 0.5 seconds, verify the indoor/outdoor connecting wire is installed properly. After the test run, the emergency COOL mode (75° F) will operate.

Emergency operation switch (E.O. SW)

3. To stop operation, press the emergency operation button several times until all LED lights turn off. See operation manual for details.
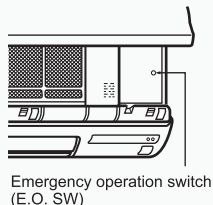
Checking the Remote (Infrared) Signal Reception

1. Press the On/Off button on the remote controller and listen for a beep from the indoor unit.
2. Press the On/Off button again to turn the air conditioner off.
3. After the compressor stops in the outdoor unit, the restart prevention device will activate. This causes the compressor to stop operation for three minutes, which protects the air conditioner.

Caution:

After finishing the test run or checking the remote (infrared) signal reception, use emergency operation button or remote controller to turn unit off before turning power supply off. If this sequence is not followed properly, the unit will start operating automatically when the power supply resumes.

Need Help When You Are On The Job site?

Check out www.mylinkdrive.com
Here you can find: Service Bulletins, FAQs, Guide Specs, Install Manuals, MSDS Sheets, Operation Manuals, Parts Lists, Service Manuals, Submittals, Accessories and the M&P Troubleshooter.

Auto Restart Function:

Mitsubishi Electric systems are equipped with an Auto Restart function. If the power shuts off while the system is operating (blackouts, etc.), the system will automatically resume operation at the previous setting after the power resumes. If the end user prefers not to use this function, a service representative can deactivate it. See Operation Manual for details.

Necessary End User Information:

After installation, show the end user how to operate the system remote controller and remote controller holder, remove the air filter, cleaning methods, operating precautions, etc. Recommend that the end user read the Operation Manual.

Continuous Fan Operation:

Explain to the end user that the indoor unit fan is designed to continuously run air across the filters. A sensor also constantly measures room temperature to maintain set point. These functions help improve air quality and reduce wear and tear on the fan motor.

Ducting Considerations

Ducting Considerations for the PEAD/SEZ Horizontal Ducted Indoor Unit

Considering the performance and design of these indoor units, selection and proper duct sizing and installation are necessary for satisfactory operation.

The maximum available static pressure from the SEZ indoor units is 0.2 in. WG and for the PEAD indoor units 0.6 in. WG.

Most of the static pressure duct loss comes from allowing the ductwork to sag. Allowing even a 30% sag in the ductwork can increase the static pressure loss up to eight times. Flexible ductwork runs should be kept to less than 15 ft.

Airflow (CFM)	50	100	150	200	250
Grille Size (In. x In.)	6x6	6x6	8x6	10x6, 8x8	12x6, 10x8

Inches of Static Pressure Loss per 100 ft. of hard duct				
	4"ø	6"ø	8"ø	10"ø
50 CFM	0.15	0.02	—	—
100 CFM	0.6	0.08	0.02	—
150 CFM	—	0.2	0.04	—
200 CFM	—	0.3	0.08	0.02
250 CFM	—	0.45	0.11	0.04
500 CFM	—	—	0.4	0.15

Appropriate sizing methods should be followed, these considerations are only guidelines

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- Common myths about financing

- How to set a good first impression with the customer

- Tips on how to present your company and products

- How to close the sale leveraging special promotional financing options

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