MSZ-GS06NA 6,000 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

System Reference: Date:



GENERAL FEATURES

- · Slim wall-mounted indoor units provide zone comfort control
- Dual Barrier Coating applied to the heat exchanger, vanes and fan to prevent hydrophilic and hydrophobic dirt build-up
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- · Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- · Multiple control options available:
 - o Back-lit screen handheld remote controller (provided with the unit)
 - o kumo cloud® smart device app for remote access
 - o Third-party interface options
 - o Wired or wireless controllers

Specifications			System
Unit Type			MSZ-GS06NA
Cooling Capacity ^{1, 3} BTU/H		6,000	
Heating Capacity ^{2, 3}		BTU/H	7,200
	Voltage, Phase, Frequency		208/230, 1, 60
	Guaranteed Voltage Range	V AC	187 - 253
Electrical	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	MCA	Α	1.0
	Fan Motor Full Load Amperage	Α	0.5
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	134-160-222-307-381
	Airflow Rate at Cooling, Wet	CFM	121-144-200-276-343
	Airflow Rate at Heating, Dry	CFM	134–160–222–307–390
	Sound Pressure Level [Cooling]	dB[A]	19–22–30–37–45
Indoor Unit	Sound Pressure Level [Heating]	dB[A]	19-22-30-37-43
	Drain Pipe Size	In. [mm]	5/8 [15.88]
	Coating on Heat Exchanger	Coating on Heat Exchanger	
	External Finish Color	External Finish Color	
	Unit Dimensions	W x D x H: In. [mm]	31-7/16 x 9-1/8 x 11-5/8 [798 x 232 x 295]
	Package Dimensions	W x D x H: In. [mm]	33-1/2 x 12 x 14 [850 x 300 x 350]
	Unit Weight	Lbs. [kg]	23 [10.4]
	Package Weight	Lbs. [kg]	26 [11.5]
Refrigerant	Туре		R410A
Dining	Gas Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
Piping	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES: Conditions

¹Cooling (Indoor // Outdoor)
²Heating at 47°F (Indoor // Outdoor)

F 80 DB, 67 WB // 95 DB, 75 WB F 70 DB, 60 WB // 47 DB, 43 WB

³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

INDOOR UNIT ACCESSORIES: MSZ-GS06NA

	BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
control Interface	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
emote Sensor	Wired Remote Sensor	M21EAA307
emote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller [†]	PAR-40MAAU
Good Domoto Ocatoollan	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
fired Remote Controller	Simple MA Remote Controller [†]	PAC-YT53CRAU-J
	Touch MA Controller [†]	PAR-CT01MAU-SB
El Dt- OtII	kumo touch™ RedLINK™ Wireless Controller	MHK2
ireless Remote Controller	Lockdown bracket for remote controller	RCMKP1CB
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X86-003
	Blue Diamond Alarm Extension Cable—6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
ondensate	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
ondensate	Drain Pan Level Sensor/Control	SS610E
	Fascia Kit for MicroBlue Pump, mounts the MicroBlue and sensor directly beneath indoor unit	T18-016
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	СОМВІ
	Sauermann Condensate Pump	SI30-230
sconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
sconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
ltor	Anti-allergy Enzyme Filter	MAC-408FT-E
Filter	Microparticle (PM2.5) Filter	MAC-EMF515FT-E
	15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-15
nooot	30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-30
ineset	50' x 1/4" x 50' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-50
	65' x 1/4" x 65' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-65

NOTES:

†Requires MAC-334IF-E

• M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount Allows indoor units to connect to an MA Controller:

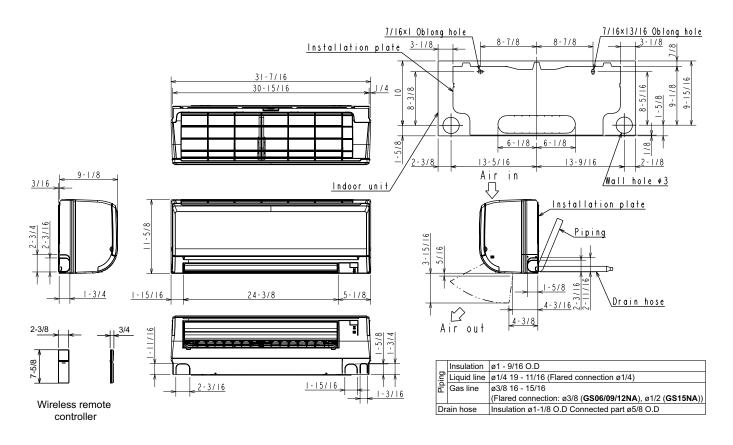
Deluxe MA Remote Controller

Simple MA Controller

Touch MA Controller

INDOOR UNIT DIMENSIONS: MSZ-GS06NA

Unit: inch



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Specifications are subject to change without notice.

MSZ-GS09NA 9,000 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

System Reference: Date:



GENERAL FEATURES

- · Slim wall-mounted indoor units provide zone comfort control
- Dual Barrier Coating applied to the heat exchanger, vanes and fan to prevent hydrophilic and hydrophobic dirt build-up
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- · Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- · Multiple control options available:
 - o Back-lit screen handheld remote controller (provided with the unit)
 - o kumo cloud® smart device app for remote access
 - o Third-party interface options
 - o Wired or wireless controllers

	Specifications		System
	Unit Type		MSZ-GS09NA
Cooling Capacity ^{1, 3}		BTU/H	9,000
Heating Capacity ^{2, 3}		BTU/H	10,900
	Voltage, Phase, Frequency		208/230, 1, 60
	Guaranteed Voltage Range	V AC	187 - 253
Electrical	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	134-160-222-307-381
	Airflow Rate at Cooling, Wet	CFM	121-144-200-276-343
	Airflow Rate at Heating, Dry	CFM	134-160-222-307-390
	Sound Pressure Level [Cooling]	dB[A]	19-22-30-37-43
Indoor Unit	Sound Pressure Level [Heating]	dB[A]	19-22-30-37-43
	Drain Pipe Size	In. [mm]	5/8 [15.88]
	Coating on Heat Exchanger	Coating on Heat Exchanger	
	External Finish Color	External Finish Color	
	Unit Dimensions	W x D x H: In. [mm]	31-7/16 x 9-1/8 x 11-5/8 [798 x 232 x 295]
	Package Dimensions	W x D x H: In. [mm]	33-1/2 x 12 x 14 [850 x 300 x 350]
	Unit Weight	Lbs. [kg]	23 [10.4]
	Package Weight	Lbs. [kg]	26 [11.5]
Refrigerant	Туре	Туре	
Dining	Gas Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
Piping	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES: Conditions

¹Cooling (Indoor // Outdoor) ²Heating at 47°F (Indoor // Outdoor) PF 80 DB, 67 WB // 95 DB, 75 WB PF 70 DB, 60 WB // 47 DB, 43 WB

³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

INDOOR UNIT ACCESSORIES: MSZ-GS09NA

	BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
Control Interface	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
VEHIOLE SELISOI	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller [†]	PAR-40MAAU
Vired Remote Controller	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
vired Remote Controller	Simple MA Remote Controller [†]	PAC-YT53CRAU-J
	Touch MA Controller [†]	PAR-CT01MAU-SB
Vireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
Wireless Remote Controller	Lockdown bracket for remote controller	RCMKP1CB
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable—6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
Condensate	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
Condensale	Drain Pan Level Sensor/Control	SS610E
	Fascia Kit for MicroBlue Pump, mounts the MicroBlue and sensor directly beneath indoor unit	T18-016
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	СОМВІ
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
JISCOTTICCE SWILCH	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
ilter	Anti-allergy Enzyme Filter	MAC-408FT-E
Filter	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES:

¹Requires MAC-334IF-E

• M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount Allows indoor units to connect to an MA Controller:

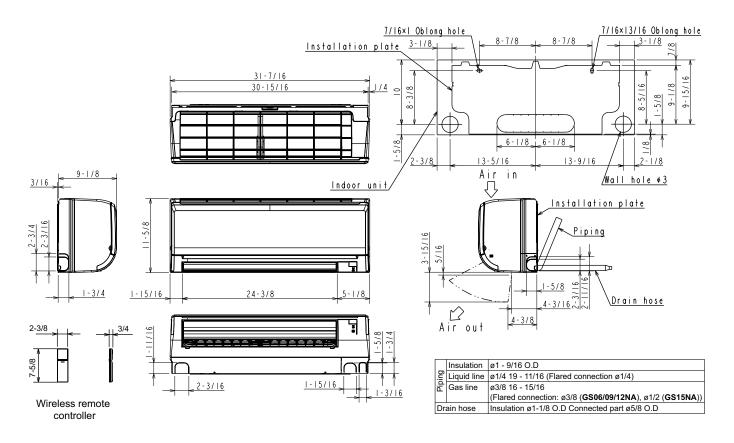
Deluxe MA Remote Controller

Simple MA Controller

Touch MA Controller

INDOOR UNIT DIMENSIONS: MSZ-GS09NA

Unit: inch



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Specifications are subject to change without notice.

MXZ-3C24NAHZ3 2-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM



Job	Na	me:
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System Reference: Date:



FEATURES

- Variable speed INVETER-driven compressor
- · Built-in base pan heater
- Quiet outdoor unit operation as low as 54 dB(A)
- · High pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection
- Hyper-heating performance offers 100% heating capacity at 5°F and 90% heating capacity at -13°F
- ENERGY STAR® certified (non-ducted)

SPECIFICATIONS: MXZ-3C24NAHZ3

	M : 0 "	DTUU	00 000 1/00 000 1/00 000
	Maximum Capacity	BTU/H	23,600 // 23,600 // 23,600
Cooling¹ (Non-Ducted // Mix // Ducted)	Rated Capacity	BTU/H	22,000 // 22,800 // 23,600
	Minimum Capacity	BTU/H	12,600 // 12,600 // 12,600
	Maximum Power Input	W	3,770 // 3,770 // 3,770
	Rated Power Input	W	1,630 // 1,995 // 2,360
	Power Factor (208V, 230V)	%	98.5, 98.5 // 98.5, 98.5 // 98.5, 98.5
	Maximum Capacity	BTU/H	30,600 // 30,600 // 30,600
	Rated Capacity	BTU/H	25,000 // 24,800 // 24,600
Heating at 47°F2 (Non-Ducted // Mix //	Minimum Capacity	BTU/H	11,400 // 11,400 // 11,400
Ducted)	Maximum Power Input	W	4,540 // 4,540 // 4,540
	Rated Power Input	W	1,725 // 1,809 // 1,871
	Power Factor (208V, 230V)	%	97.3, 97.3 // 97.6, 97.4 // 97.4, 97.6
	Maximum Capacity	BTU/H	25,000 // 24,800 // 24,600
Heating at 17°F3 (Non-Ducted // Mix //	Rated Capacity	BTU/H	14,000 // 14,000 // 14,000
Ducted)	Maximum Power Input	W	3,557 // 3,671 // 3,795
	Rated Power Input	W	1,622 // 1,629 // 1,635
Heating at 5°F4 (Non-Ducted // Mix //	Maximum Capacity	BTU/H	25,000 // 24,800 // 24,600
Ducted)	Maximum Power Input	W	3,760 // 3,980 // 4,200
	SEER		19.0 // 17.2 // 15.5
	EER¹		13.5 // 11.7 // 10.0
	HSPF (IV)		
Efficiency (Non-Ducted // Mix // Ducted)	COP at 47°F ²		10.0 // 9.5 // 9.0
Emolericy (Non-Ducted // IVIIX // Ducted)			4.25 // 4.02 // 3.8
	COP at 17°F at Maximum Capacity³		2.06 // 1.95 // 1.9
	COP at 5°F at Maximum Capacity ⁴		1.95 // 2.11 // 1.72
	ENERGY STAR® Certified		Yes // No // No
	Electrical Power Requirements	Voltage, Phase, Frequency	208/230, 1, 60
	Guaranteed Voltage Range	V AC	187-253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
Electrical	Short-circuit Current Rating (SCCR)	kA	5
	Recommended Fuse/Breaker Size	A	40
	Recommended Wire Size	AWG	14
	Minimum Circuit Ampacity	A	30.5
	Maximum Overcurrent Protection	A	40
	Fan Motor Full Load Amperage	Α	2.43
	Airflow Rate (Cooling / Heating)	CFM	2,150 / 2,550
	Refrigerant Control	2	LEV
	Defrost Method		Reverse Cycle
	Heat Exchanger Type		Plate fin coil
	Sound Pressure Level, Cooling ¹	dB(A)	54
			58
	Sound Pressure Level, Heating ² dB(A) Compressor Type		
			DC INVERTER-driven Twin Rotary
	Compressor Model		MNB33FBTMC-L
	Compressor Rated Load Amps	A	20
Outdoor unit	Compressor Locked Rotor Amps	A	28.8
	Compressor Oil Type // Charge	OZ.	FV50S // 37.2
	Base Pan Heater		Built-in
		W: In. [mm]	37-13/32 [950]
	Unit Dimensions	D: In. [mm]	13 [330]
		H: In. [mm]	41-17/64 [1,048]
		W: In. [mm]	41-3/8 [1,050]
	Package Dimensions	D: In. [mm]	17-3/8 [440]
		H: In. [mm]	46-3/4 [1,190]
	Unit Weight	Lbs.[kg]	189 [86]
	Package Weight	Lbs.[kg]	212 [96]
	Cooling Intake Air Temp (Maximum / Minimum ^A)	°FDB	115 / 14
Outdoor unit operating temperature	Cooling Thermal Lock-out / Re-start Temperatures	°FDB	10.4 / 14
range	Heating Intake Air Temp (Maximum / Minimum)	°FWB	65 / -13
	Heating Thermal Lock-out / Re-start Temperatures	°FDB	-18 / -14
	Charge	Lbs, oz	8.0, 13.0
Refrigerant	Chargeless Piping Length	Ft. [m]	98.0 [30.0]
			30,010,01
Reingerant	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0.216 [20]

NOTES: AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F ²Heating at 47°F (Indoor // Outdoor) °F ³Heating at 17°F (Indoor // Outdoor) °F

80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB

⁴Heating at 5°F (Indoor // Outdoor) 70 DB, 60 WB // 5 DB, 4 WB

Conditions

^{&#}x27;Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. 'A 5°F DB - 115°F DB when optional wind baffles are installed

For actual capacity performance based on indoor unit type and number of indoor units connected, please refer to MXZ Operational Performance.

Although the maximum connectable capacity is 130%, the outdoor unit cannot provide more than 100% of the rated capacity. Please utilize this over capacity capability for load shedding or applications where it is known that all connected units will NOT be operating at the same time.

SPECIFICATIONS: MXZ-3C24NAHZ3

Indoor unit connection	Maximum Number of Connected IDU	Maximum Number of Connected IDU	
	Minimum Number of Connected IDU	Minimum Number of Connected IDU	
	Minimum connected capacity	BTU/H	12,000
	Maximum connected capacity	BTU/H	27,000
Piping	Liquid Pipe Size O.D. (Flared)	In.[mm]	A,B,C: 1/4 [A,B,C: 6.35]
	Gas Pipe Size O.D. (Flared)	In.[mm]	A: 1/2; B,C: 3/8 [A: 12.72; B,C: 9.52]
	Total Piping Length	Ft. [m]	230 [70]
	Maximum Height Difference, ODU above IDU	Ft. [m]	49 [15]
	Maximum Height Difference, ODU below IDU	Ft. [m]	49 [15]
	Farthest Piping Length from ODU to IDU	Ft. [m]	82 [25]
	Maximum Number of Bends for IDU		70

NOTES: AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F ²Heating at 47°F (Indoor // Outdoor) °F ³Heating at 17°F (Indoor // Outdoor) °F

80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB

4Heating at 5°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

For actual capacity performance based on indoor unit type and number of indoor units connected, please refer to MXZ Operational Performance.

Although the maximum connectable capacity is 130%, the outdoor unit cannot provide more than 100% of the rated capacity. Please utilize this over capacity capability for load shedding or applications where it is known that all connected units will NOT be operating at the same time.

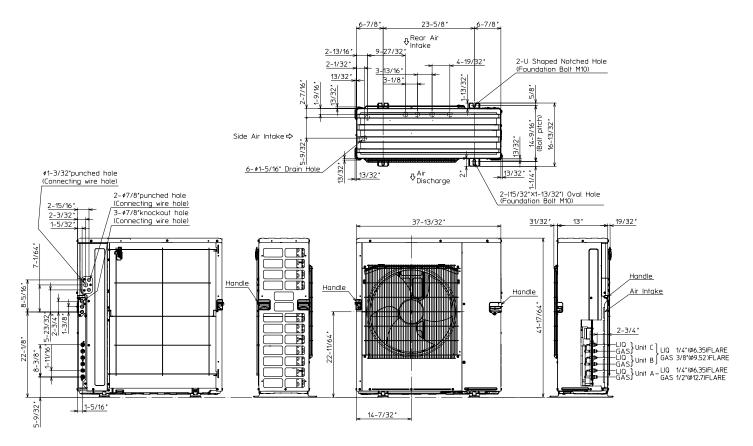
Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. A 5°F DB - 115°F DB when optional wind baffles are installed

OUTDOOR UNIT ACCESSORIES: MXZ-3C24NAHZ3

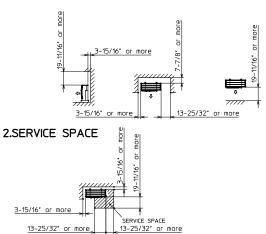
Air Outlet Guide	Air Outlet Guide (1 Piece)	PAC-SH96SG-E
Ball Valve	Refrigeration Ball Valve - 1/2"	BV12FFSI2
	Refrigeration Ball Valve - 1/4"	BV14FFSI2
	Refrigeration Ball Valve - 3/8"	BV38FFSI2
	Refrigeration Ball Valve - 5/8"	BV58FFSI2
Drain Socket	Drain Socket	PAC-SG60DS-E
Hail Guards	Hail Guard	HG-A1
M-NET Converter	M-NET Converter	PAC-IF01MNT-E
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
Wounting Fad	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
	Adaptor: 1/2" x 3/8"	MAC-A455JP-E
Dort Adortor	Adaptor: 1/2" x 5/8"	MAC-A456JP-E
Port Adapter	Adaptor: 3/8" x 1/2"	MAC-A454JP-E
	Adaptor: 3/8" x 5/8"	PAC-SG76RJ-E
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

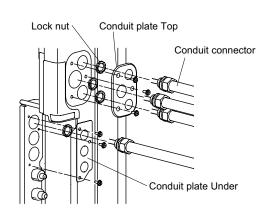
OUTDOOR UNIT DIMENSIONS: MXZ-3C24NAHZ3

Unit: inch (mm)



1.FREE SPACE





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