### MXZ-4C36NA3 3-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM



Job Name:

System Reference:

Date:



#### FEATURES

- Variable speed INVERTER-driven compressor
- Optional 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

### **SPECIFICATIONS: MXZ-4C36NA3**

	Maximum Capacity	BTU/H	36,400 // 36,400 // 36,400
	Rated Capacity	BTU/H	35,400 // 34,900 // 34,400
Cooling <sup>1</sup> (Non-Ducted // Mix // Ducted)	Minimum Capacity	BTU/H	11,700 // 11,500 // 11,300
coming (Non-Ducted // Mix // Ducted)	Maximum Power Input	W	3,960 // 3,960 // 3,960
	Rated Power Input	W	3,760 // 3,850 // 3,940
	Power Factor (208V, 230V)	%	99.0, 99.0 // 99.0, 99.0 // 99.0, 99.0
	Maximum Capacity	BTU/H	43,000 // 43,000 // 43,000
	Rated Capacity	BTU/H	36,000 // 35,200 // 34,400
eating at 47°F <sup>2</sup> (Non-Ducted // Mix //	Minimum Capacity	BTU/H	18,300 // 18,800 // 19,300
ucted)	Maximum Power Input	W	4,020 // 4,020 // 4,020
	Rated Power Input	W	3,020 // 3,060 // 3,100
	Power Factor (208V, 230V)	%	98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8
	Maximum Capacity	BTU/H	26,600 // 26,600 // 26,600
eating at 17°F <sup>3</sup> (Non-Ducted // Mix //	Rated Capacity	BTU/H	22,400 // 22,400 // 22,400
ucted)	Maximum Power Input	W	3,440 // 3,490 // 3,540
	Rated Power Input	W	2,300 // 2,470 // 2,640
eating at 5°F <sup>4</sup> (Non-Ducted // Mix //	Maximum Capacity	BTU/H	24,000 // 24,000 // 24,000
ucted)	Maximum Power Input	W	3,320 // 3,280 // 3,240
	SEER		19.2 // 17.6 // 16.0
	EER <sup>1</sup>		9.41 // 9.07 // 8.73
	HSPF (IV)		11.0 // 10.4 // 9.8
ficiency (Non-Ducted // Mix // Ducted)	COP at 47°F <sup>2</sup>		3.5 // 3.37 // 3.25
	COP at 17°F at Maximum Capacity <sup>3</sup>		2.27 // 2.24 // 2.2
	COP at 5°F at Maximum Capacity <sup>4</sup>		2.12 // 2.14 // 2.17
	ENERGY STAR® Certified		No // No // No
	Electrical Power Requirements	Voltage, Phase, Frequency	208/230, 1, 60
	Guaranteed Voltage Range	VAC	187-253
	Voltage: Indoor - Outdoor, S1-S2	VAC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
ectrical	Short-circuit Current Rating (SCCR)	kA	5
	Recommended Fuse/Breaker Size	А	25
	Recommended Wire Size	AWG	14
	Minimum Circuit Ampacity	A	23.1
	Maximum Overcurrent Protection	A	25
	Fan Motor Full Load Amperage	A	2.43
	Airflow Rate (Cooling / Heating)	CFM	2,287 / 2,382
	Refrigerant Control		LEV
	Defrost Method		Reverse Cycle
	Heat Exchanger Type		Plate fin coil
	Sound Pressure Level, Cooling <sup>1</sup>	dB(A)	54
	Sound Pressure Level, Heating <sup>2</sup>	dB(A)	56
	Compressor Type		
	Compressor Model		DC INVERTER-driven Twin Rotary SNB220FQGMC
	Compressor Rated Load Amps	A	12
	Compressor Locked Rotor Amps	A	13.7
utdoor unit	Compressor Oil Type // Charge	OZ.	FV50S // 23.7
	Base Pan Heater		Optional
		W: In. [mm]	37-13/32 [950]
	Unit Dimensions	D: In. [mm]	13 [330]
		H: In. [mm]	31-11/32 [796]
		W: In. [mm]	40-15/16 [1,040]
	Package Dimensions	D: In. [mm]	17-11/16 [450]
	r aurage Dimensions		40-11/16 [1,033]
	Unit Weight	H: In. [mm]	
	Onit Weight Package Weight	Lbs.[kg]	139 [63]
	0 0	Lbs.[kg]	159 [72]
Outdoor unit operating temperature	Cooling Intake Air Temp (Maximum / Minimum <sup>*A</sup> )	°FDB	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures	°FDB	10.4 / 14
	Heating Intake Air Temp (Maximum / Minimum)	°FWB	65 / 5
	Heating Thermal Lock-out / Re-start Temperatures °FDB		1.4 / 5
		L h a	
inge	Charge	Lbs, oz	6.0, 13.0
utdoor unit operating temperature ange tefrigerant		Lbs, oz Ft. [m] oz./Ft. [g/m]	6.0, 13.0 98.0 [30.0] 0.216 [20]

 $^4\text{Heating}$  at 5°F (Indoor // Outdoor)  $^\circ\text{F}$   $^\circ$  70 DB, 60 WB // 5 DB, 4 WB

\*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.

Conditions

# **SPECIFICATIONS: MXZ-4C36NA3**

	Maximum Nur	Maximum Number of Connected IDU		4	
Indoor unit connection	Minimum Num	ber of Connected IDU			2
	Minimum conr	ected capacity		BTU/H	12,000
	Maximum con	nected capacity		BTU/H	42,000
Piping	Liquid Pipe Si	ze O.D. (Flared)		In.[mm]	A,B,C,D: 1/4 [A,B,C,D: 6.35]
	Gas Pipe Size	O.D. (Flared)		In.[mm]	A: 1/2; B,C,D: 3/8 [A: 12.72; B,C,D: 9.52]
	Total Piping Le	ngth		Ft. [m]	230 [70]
	Maximum Hei	ght Difference, ODU above IDU		Ft. [m]	49 [15]
	Maximum Hei	ght Difference, ODU below IDU		Ft. [m]	49 [15]
	Farthest Pipin	g Length from ODU to IDU		Ft. [m]	82 [25]
	Maximum Nur	nber of Bends for IDU			70
NOTES: AHRI Rated Conditions (Rated data is determined at a fix	ed compressor speed)	<sup>1</sup> Cooling (Indoor // Outdoor) <sup>2</sup> Heating at 47°F (Indoor // Outdoor) <sup>3</sup> Heating at 17°F (Indoor // Outdoor)	°F °F °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	

Conditions

<sup>4</sup>Heating at 5°F (Indoor // Outdoor) Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. ^ 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.

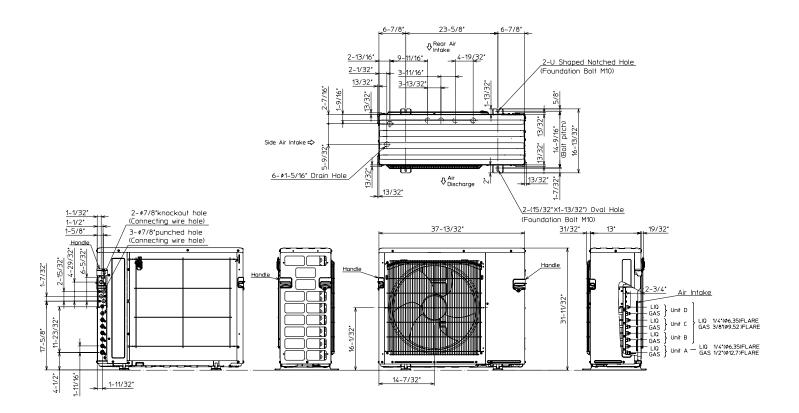
°F 70 DB, 60 WB // 5 DB, 4 WB

# OUTDOOR UNIT ACCESSORIES: MXZ-4C36NA3

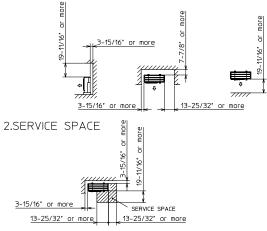
Ball Valve	Refrigeration Ball Valve - 1/2"	BV12FFSI2
	Refrigeration Ball Valve - 1/4"	BV14FFSI2
	Refrigeration Ball Valve - 3/8"	BV38FFSI2
	Refrigeration Ball Valve - 5/8"	BV58FFSI2
Control Wire	M-Net Control Wire, 1,000' Roll (16-AWG, Standard, Twisted Pair, Shielded, Jacketed- Plenum rated)	CW162S-1000
	M-Net Control Wire, 250' Roll (16-AWG, Standard, Twisted Pair, Shielded, Jacketed- Plenum rated)	CW162S-250
Drain Socket	Drain Socket	PAC-SG60DS-E
Hail Guards	Hail Guard	HG-A9
M-NET Converter	M-NET Converter	PAC-IF01MNT-E
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S144-250
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW144-250
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S144-50
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW144-50
Mini-Split Wire	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S164-250
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S164-50
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW164-50
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	PAC-645BH-E
Port Adapter	Adaptor: 1/2" x 3/8"	MAC-A455JP-E
	Adaptor: 1/2" x 5/8"	MAC-A456JP-E
	Adaptor: 3/8" x 1/2"	MAC-A454JP-E
	Adaptor: 3/8" x 5/8"	PAC-SG76RJ-E
	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
Stand	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

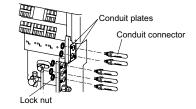
### OUTDOOR UNIT DIMENSIONS: MXZ-4C36NA3

Unit: inch (mm)



1.FREE SPACE





1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# MXZ-4C36NA3 - 202206

### MSZ-GS18NA 18,000 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)
  - kumo cloud<sup>®</sup> smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

		System
Unit Type		
Cooling Capacity <sup>1, 3</sup> BTU/H		18,000
	BTU/H	21,600
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
Short-circuit Current Rating [SCCR]	kA	5
MCA	A	1.0
Fan Motor Full Load Amperage	A	0.5
Fan Motor Output	W	40
Airflow Rate at Cooling, Dry	CFM	250-375-407-511-629
Airflow Rate at Cooling, Wet	CFM	225-292-367-460-566
Airflow Rate at Heating, Dry	CFM	287-375-459-550-629
Sound Pressure Level [Cooling]	dB[A]	28-33-38-44-49
Sound Pressure Level [Heating]	dB[A]	28-34-39-43-48
Drain Pipe Size	In. [mm]	5/8 [15.88]
Coating on Heat Exchanger	Dual Barrier Coating	
External Finish Color	Munsell 1.0Y 9.2/0.2	
Unit Dimensions	W x D x H: In. [mm]	36-5/16 x 9-13/16 x 12 [923 x 250 x 305]
Package Dimensions	W x D x H: In. [mm]	39 x 13 x 15 [990 x 330 x 380]
Unit Weight	Lbs. [kg]	28 [12.4]
Package Weight	Lbs. [kg]	32 [14.2]
Туре		R410A
Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.70]
Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
	Voltage, Phase, Frequency     Guaranteed Voltage Range     Voltage: Indoor - Outdoor, S1-S2     Voltage: Indoor - Outdoor, S2-S3     Short-circuit Current Rating [SCCR]     MCA     Fan Motor Full Load Amperage     Fan Motor Output     Airflow Rate at Cooling, Dry     Airflow Rate at Cooling, Wet     Airflow Rate at Heating, Dry     Sound Pressure Level [Cooling]     Sound Pressure Level [Heating]     Drain Pipe Size     Coating on Heat Exchanger     External Finish Color     Unit Dimensions     Package Dimensions     Unit Weight     Package Weight     Type     Gas Pipe Size O.D. [Flared]	BTU/H   But   Guaranted Voltage Range   VAC   Voltage: Indoor - Outdoor, S1-S2   VAC   Voltage: Indoor - Outdoor, S2-S3   Short-circuit Current Rating [SCCR]   KA   MCA   Fan Motor Full Load Amperage   A   Fan Motor Output   W   Airflow Rate at Cooling, Dry   CFM   Airflow Rate at Cooling, Wet   CFM   Sound Pressure Level [Cooling]   Gal[A]   Drain Pipe Size   In. [mm]   Coating on Heat Exchanger   External Finish Color   Unit Dimensions   W x D x H: In. [mm]   Pac

<sup>3</sup>Capacity 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.

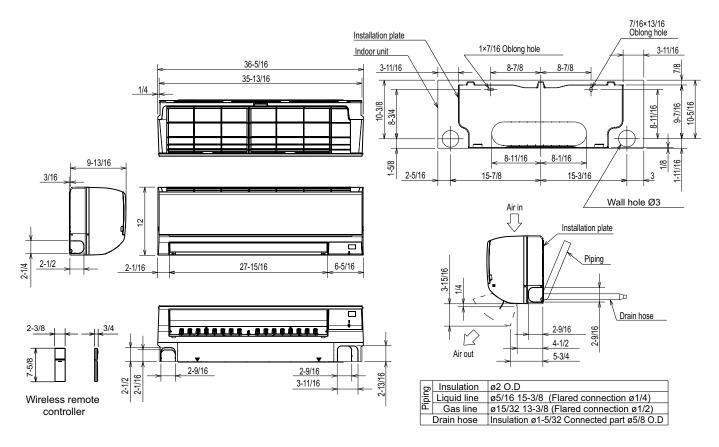
# **INDOOR UNIT ACCESSORIES: MSZ-GS18NA**

Control Interface	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
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller <sup>†</sup>	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller <sup>†</sup>	PAC-YT53CRAU-J
	Touch MA Controller <sup>†</sup>	PAR-CT01MAU-SB
Vireless Remote Controller	kumo touch <sup>™</sup> RedLINK <sup>™</sup> 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
Condensate	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
	Drain Pan Level Sensor/Control	SS610E
	Fascia Kit for MicroBlue Pump, mounts the MicroBlue and sensor directly beneath indoor unit	T18-016
	Sauermann Condensate Pump	SI30-230
	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
	Anti-allergy Enzyme Filter	MAC-408FT-E
Filter	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES: <sup>†</sup>Requires MAC-334IF-E • M-Series EZ FIT<sup>®</sup> 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-GS18NA**

#### Unit: inch



1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# MSZ-GS18NA-U1 - 202304