MLZ-KP09NA2 9,000 BTU/H EZ FIT CEILING CASSETTE



Job Name:

System Reference:



GENERAL FEATURES

- Fits between 16" joists spacing
- Stylish, square design panel
- Built-in condensate lift mechanism (19.6")
- · Serviceable from the bottom (electrical and flare connections)

Date:

- Adjustable fan speeds and vane directions
- Washable antibacterial and deodorizing filter
- Multiple control options available:
 - $\circ~$ Hand-held Remote Controller (provided with unit)
 - $\circ~$ kumo cloud® smart device app for remote access
 - $\circ~$ Third-party interface options
 - $\circ~$ Wired or wireless controllers
- · Pocket inside the access panel for kumo cloud® Wireless Interface

	System		
	MLZ-KP09NA2		
Cooling Capacity ^{1,3} BTU/H		9,000	
Heating Capacity ^{2, 3}		BTU/H	12,000
	Voltage, Phase, Frequency		208/230, 1, 60
Electrical	Guaranteed Voltage Range	V AC	187- 253V
	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	0.68
	Airflow Rate at Cooling, Dry	CFM	212-247-282-311
	Airflow Rate at Cooling, Wet	CFM	180–216–240–264
	Airflow Rate at Heating, Dry	CFM	212-247-290-325
	Sound Pressure Level [Cooling]	dB[A]	27–31–34–38
	Sound Pressure Level [Heating]	dB[A]	26–29–34–37
Indoor Unit	Drain Pipe Size	In. [mm]	1-1/4 [32]
	Condensate Lift Mechanism, Maximum Distance	In. [mm]	19-11/16 [500]
	Coating on Heat Exchanger	_	
	External Finish Color		Munsell 4.0GY 9.1/0.2
	Unit Dimensions	W x D x H: In. [mm]	43-3/8 x 14-3/16 x 7-5/16 [1,102 x 360 x 185]
	Package Dimensions	W x D x H: In. [mm]	46-5/16 x 15-3/4 x 11-1/8 [1,177 x 400 x 284]
	Unit Weight	Lbs. [kg]	34 [15.5]
	Package Weight	Lbs. [kg]	41 [19.0]
Refrigerant	Туре	Туре	
Pining	Gas Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
Piping	Liquid Pipe Size O.D. [Flared] In.[mm]	In.[mm]	1/4 [6.35]
IOTES: conditions		WB // 95 DB, 75 WB WB // 47 DB, 43 WB	

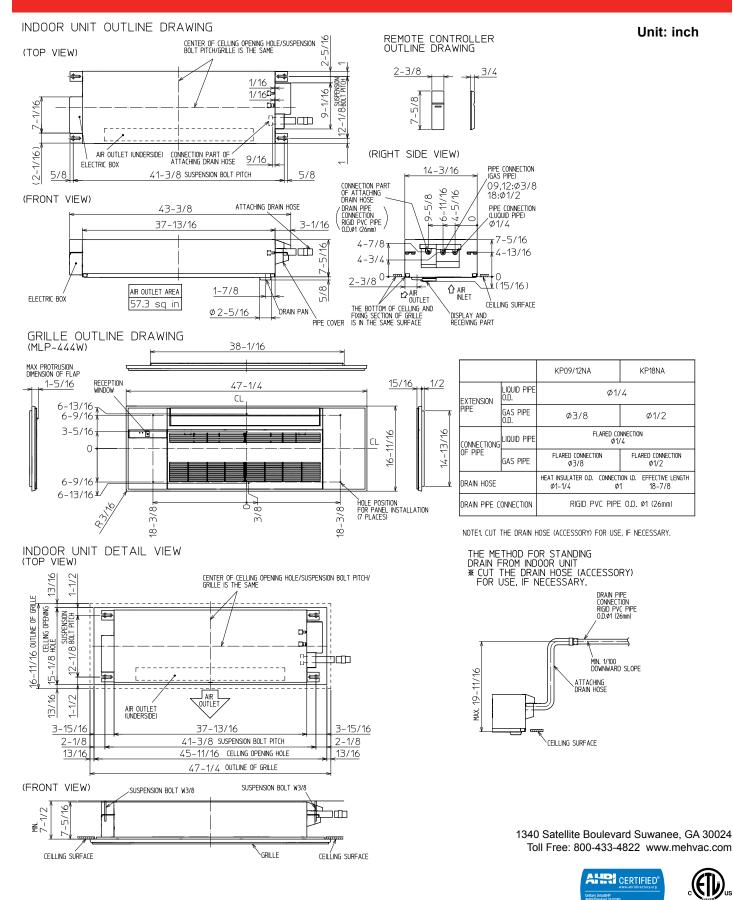
³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.:

INDOOR UNIT ACCESSORIES: MLZ-KP09NA2

	BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Lockdown bracket for remote controller	RCMKP1CB
	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
Remote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller [†]	PAR-40MAAU
Wired Remote Controller	Simple MA Remote Controller [†]	PAC-YT53CRAU-J
	Touch MA Controller [†]	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch [™] RedLINK [™] Wireless Controller	MHK2
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
Condensate	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X86-003
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	СОМВІ
Discourse at Quitab	(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
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
Grille	Grille (required)	MLP-444WU
	15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-15
	30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-30
Lineset	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: MLZ-KP09NA2



FORM# MLZ-KP09NA2-U1 - 202209

Intertek

MXZ-3C24NA3 2-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM



Job Name:

System Reference:

Date:



FEATURES

- Variable speed INVERTER-driven compressor
- Optional base pan heater
- Q uiet outdoor unit operation as low as 51 dB(A)
- High pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection
- ENERGY STAR® certified (non-ducted)

ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

SPECIFICATIONS: MXZ-3C24NA3

	Maximum Capacity	BTU/H	22,000 // 22,000 // 22,000
	Rated Capacity	BTU/H	22,000 // 22,800 // 23,600
cooling ¹ (Non-Ducted // Mix // Ducted)	Minimum Capacity	BTU/H	11,600 // 11,300 // 11,000
	Maximum Power Input	W	1,620 // 1,620 // 1,620
	Rated Power Input	W	1,620 // 1,860 // 2,100
	Power Factor (208V, 230V)	%	99.0, 99.0 // 99.0, 99.0 // 99.0, 99.0
	Maximum Capacity	BTU/H	30,600 // 30,600 // 30,600
	Rated Capacity	BTU/H	25,000 // 24,800 // 24,600
eating at 47°F ² (Non-Ducted // Mix //	Minimum Capacity	BTU/H	18,100 // 17,700 // 17,300
ucted)	Maximum Power Input	W	3,000 // 3,000 // 3,000
	Rated Power Input	W	1,750 // 1,825 // 1,900
	Power Factor (208V, 230V)	%	98.9, 98.9 // 98.7, 98.7 // 98.5, 98.5
	Maximum Capacity	BTU/H	19,600 // 19,600 // 19,600
eating at 17°F3 (Non-Ducted // Mix //	Rated Capacity	BTU/H	14,600 // 14,600 // 14,600
ucted)	Maximum Power Input	W	2,580 // 2,510 // 2,440
	Rated Power Input	W	1,420 // 1,490 // 1,560
ating at 5°F ⁴ (Non-Ducted // Mix //	Maximum Capacity	BTU/H	18,200 // 18,200 // 18,200
icted)	Maximum Power Input	W	2,310 // 2,200 // 2,090
	SEER		20.0 // 18.0 // 16.0
	EER ¹		13.58 // 12.41 // 11.24
	HSPF (IV)		10.0 // 9.5 // 9.2
ficiency (Non-Ducted // Mix // Ducted)			4.19 // 3.99 // 3.8
- ·	COP at 17°F at Maximum Capacity ³	BTU/H W W % BTU/H BTU/H BTU/H W BTU/H BTU/H BTU/H W W W W W BTU/H BTU/H BTU/H BTU/H BTU/H BTU/H W W BTU/H	2.23 // 2.29 // 2.36
	COP at 5°F at Maximum Capacity ⁴	BTU/H W W Voltage, Phase, Frequency VAC A </td <td>2.31 // 2.42 // 2.55</td>	2.31 // 2.42 // 2.55
	ENERGY STAR® Certified		Yes // No // No
	Electrical Power Requirements		208/230, 1, 60
	Guaranteed Voltage Range		187-253
	Voltage: Indoor - Outdoor, S1-S2		208/230
	Voltage: Indoor - Outdoor, S2-S3		24
ectrical	Short-circuit Current Rating (SCCR)		5
ecuica	Recommended Fuse/Breaker Size		25
	Recommended Wire Size		14
			22.1
	Minimum Circuit Ampacity		
	Maximum Overcurrent Protection		25
	Fan Motor Full Load Amperage		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 ¹		51
	Sound Pressure Level, Heating ²	dB(A)	55
	Compressor Type		DC INVERTER-driven Twin Rotary
	Compressor Model		SNB220FQGMC
	Compressor Rated Load Amps		12
utdoor unit	Compressor Locked Rotor Amps		13.7
	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]
			31-11/32 [796]
			40-15/16 [1,040]
	Package Dimensions		17-11/16 [450]
			40-11/16 [1,033]
	Unit Weight		137 [62]
	Package Weight		157 [71]
	Cooling Intake Air Temp (Maximum / Minimum [*] A)		115 / 14
itdoor unit operating temperature	Cooling Thermal Lock-out / Re-start Temperatures		10.4 / 14
nge	Heating Intake Air Temp (Maximum / Minimum)		65 / 5
	• • • •		
nge	Heating Thermal Lock-out / Re-start Temperatures		1.4 / 5
		LDS, OZ	6.0, 13.0
	Charge		00 0 100 00
efrigerant	Charge Chargeless Piping Length Additional Refrigerant Charge Per Additional Piping Length	Ft. [m]	98.0 [30.0] 0.216 [20]

⁴Heating at 5°F (Indoor // Outdoor) °F 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-3C24NA3

Indoor unit connection	Maximum Nur	Maximum Number of Connected IDU		3	
	Minimum Num	ber of Connected IDU			2
	Minimum conr	ected capacity		BTU/H	12,000
	Maximum con	nected capacity		BTU/H	27,000
Piping	Liquid Pipe Siz	ze 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 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
		¹ Cooling (Indoor // Outdoor) ² Heating at 47°F (Indoor // Outdoor) ³ 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

⁴Heating at 5°F (Indoor // Outdoor) ^AApplications 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.

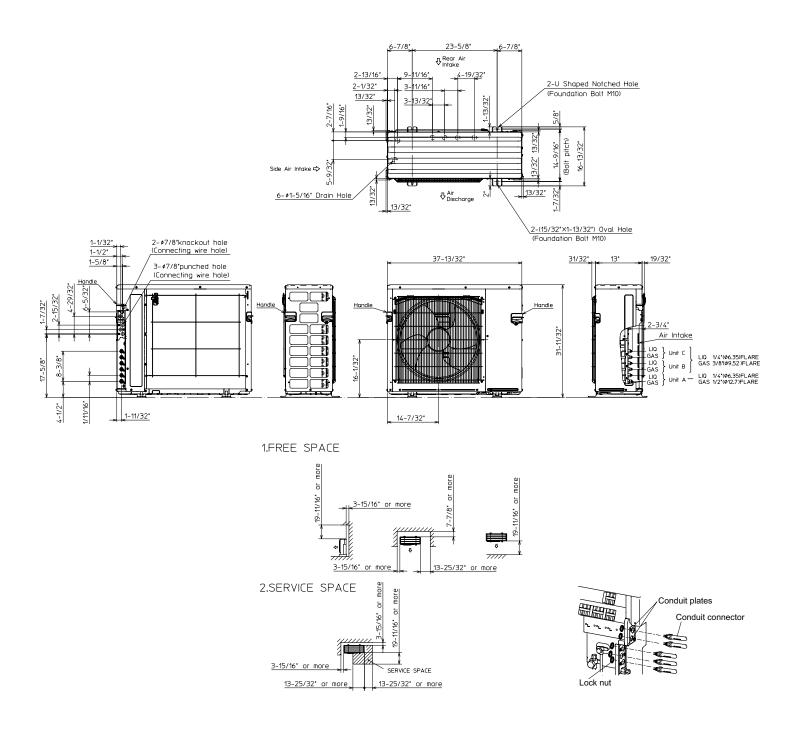
°F 70 DB, 60 WB // 5 DB, 4 WB

OUTDOOR UNIT ACCESSORIES: MXZ-3C24NA3

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
Control Wire	M-Net Control Wire, 1,000' Roll (16-AWG, Standard, Twisted Pair, Shielded, Jacketed- Plenum rated)	CW162S-1000
Jonuor wire	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
Mini Calit Mira	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
Maximum Dand	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
Mounting Pad	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	PAC-645BH-E
	Adaptor: 1/2" x 3/8"	MAC-A455JP-E
Port Adapter	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
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-3C24NA3

Unit: inch (mm)



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



FORM# MXZ-3C24NA3 - 202206

MLZ-KY06NA 6,000 BTU/H EZ FIT CEILING CASSETTE

Job Name:

System Reference:



Date:

GENERAL FEATURES

- · Designed to fit between I-joist spacing
- Stylish, square design panel
- Built-in condensate lift mechanism (19.6")
- · Serviceable from the bottom (electrical and flare connections)
- Adjustable fan speeds and vane directions
- Washable antibacterial and deodorizing filter
- Multiple control options available:
 - $\circ~$ Hand-held Remote Controller (provided with unit)
 - $\circ~$ kumo cloud® smart device app for remote access
 - Third-party interface options Wired or wireless controllers
- Pocket inside the access panel for kumo cloud® Wireless Interface
- UL 60335-2-40 Compliant

	Specifications		System
	Unit Type		MLZ-KY06NA
Cooling Capacity ^{1,3}		BTU/H	6,000
Heating Capacity ^{2,3}		BTU/H	7,200
V	ltage, Phase, Frequency	208/230, 1, 60	
G	uaranteed Voltage Range	V AC	187- 253V
V	Itage: Indoor - Outdoor, S1-S2	V AC	208/230
V	Itage: Indoor - Outdoor, S2-S3	V DC	24
S	nort-circuit Current Rating [SCCR]	kA	5
N	CA	A	1.0
F	Fan Motor Full Load Amperage		0.68
A	Airflow Rate at Cooling, Dry		152–173–184–198
A	Airflow Rate at Cooling, Wet		129-141-156-168
A	Airflow Rate at Heating, Dry		152–173–194–212
D	Drain Pipe Size		1-1/16 [26]
C	Condensate Lift Mechanism, Maximum Distance		19-11/16 [500]
C	pating on Heat Exchanger	—	
E	ternal Finish Color	Munsell 4.0GY 9.1/0.2	
U	Unit Dimensions		33-3/16 x 11-7/8 x 7-11/16 [842 x 301 x 194
P	Package Dimensions		35-3/4 x 14-1/8 x 12-/1-8 [910 x 360 x 310]
U	Unit Weight		24.3 [11.0]
P	Package Weight		28.7 [13.0]
T	Туре		R410A
G	Gas Pipe Size O.D. [Flared]		3/8 [9.52]
Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]	
T <u>i</u> G	pe as Pipe Size O.D. [Flared]	In.[r In.[r 0B, 75 WB	. [kg] mm] mm]

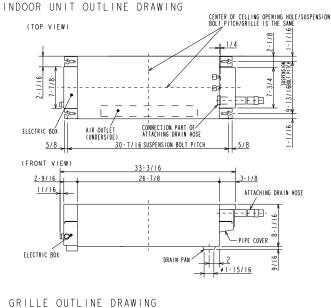
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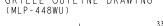
INDOOR UNIT ACCESSORIES: MLZ-KY06NA

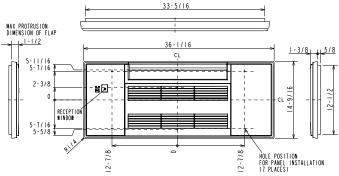
	BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Lockdown bracket for remote controller	RCMKP1CB
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
	Wired Remote Sensor	M21EAA307
Remote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller [†]	PAR-40MAAU
Wired Remote Controller	Simple MA Remote Controller [†]	PAC-YT53CRAU-J
	Touch MA Controller [†]	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch [™] RedLINK [™] Wireless Controller	MHK2
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
Condensate	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X86-003
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	СОМВІ
Discourse at Quitab	(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
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
Grille	Grille (required)	MLP-448WU
Lineset	15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-15
	30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-30
	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

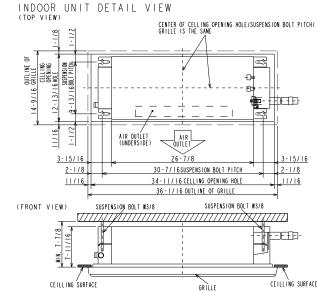
NOTES: [†]Requires MAC-334IF-E • M-Series EZ FIT[®] Recessed Ceiling Cassette, Floor-mount and Wall-mount Allows indoor units to connect to an MA Controller: Deluxe MA Remote Controller Simple MA Controller Touch MA Controller

Unit: inch

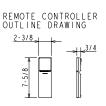


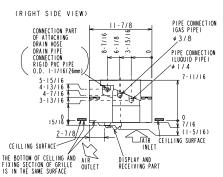


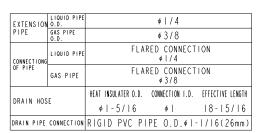




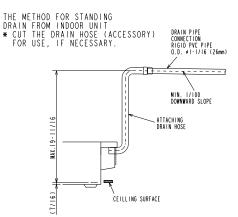
FORM# MLZ-KY06NA-U1 - 202209







NOTEI. CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.



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