

Job Name:

System Reference:

Date:



GENERAL FEATURES

- Variable speed INVERTER-driven compressor
- Energy Star® certified¹ (non-ducted)
- M-NET connection through outdoor unit
- Quiet outdoor unit operation as low as 50 dB(A)
- New Intelligent Power Module (IPM) for reduced power loss
- Selectable thermal lockout/restart function
- Optional base pan heater
- High pressure switch for additional protection
- Thermal differential of +/-1° F from setpoint

¹ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

SPECIFICATIONS: MXZ-2C20NA2

Model number	Outdoor unit		MXZ-2C20NA2		
	Indoor unit type		Non-Ducted	Mix	Ducted
Cooling*1	Maximum Capacity	Btu/h	20,000		
	Rated Capacity	Btu/h	18,000	19,000	20,000
	Minimum Capacity	Btu/h	5,700		
	Maximum Power Input	W	2,245		
	Rated Power Input	W	1,417	1,709	2,000
	Power Factor	%	98.7	99.3	99.9
Heating at 47° F*2	Maximum Capacity	Btu/h	25,000		
	Rated Capacity	Btu/h	22,000		
	Minimum Capacity	Btu/h	7,400		
	Maximum Power Input	W	2,455		
	Rated Power Input	W	1,641	1,706	1,771
	Power Factor	%	96.2	97.9	99.6
Heating at 17° F *3	Maximum Capacity	Btu/h	15,500	15,000	14,500
	Rated Capacity	Btu/h	12,500	13,000	13,500
	Maximum Power Input	W	1,750	1,780	1,810
	Rated Power Input	W	1,300	1,325	1,350
Heating at 5° F *4	Maximum Capacity	Btu/h	11,100	11,000	10,900
	Maximum Power Input	W	1,600	1,625	1,650
Efficiency	SEER		20.00	18.00	16.00
	EER *1		12.70	11.35	10.00
	HSPF (IV)		10.00	9.65	9.30
	COP at 47° F *2		3.93	3.78	3.64
	COP at 17° F *3		2.82	2.87	2.93
	ENERGY STAR® Certified		YES	NO	NO
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz		
	Guaranteed Voltage Range	V AC	187 - 253		
	Voltage: Indoor - Outdoor, S1-S2	V AC	208V / 230		
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24		
	Voltage: Indoor - Remote controller	V DC	24		
	Recommended Fuse/Breaker Size	A	20		

SPECIFICATIONS: MXZ-2C20NA2

Model number	Outdoor unit		MXZ-2C20NA2		
	Indoor unit type		Non-Ducted	Mix	Ducted
	Recommended Wire Size (Indoor - Outdoor)	AWG	AWG14		
Outdoor unit	MCA	A	17.2		
	Fan Motor Full Load Amperage	A	1.77		
	Fan Motor Output	W	64		
	Airflow Rate	CFM	1,342 / 1,458		
	Refrigerant Control		Liner Expansion Valve		
	Defrost Method		Reverse Cycle		
	Heat Exchanger Type		Plate fin coil		
	Sound Pressure Level, Cooling*1	dB(A)	50		
	Sound Pressure Level, Heating*2	dB(A)	54		
	Compressor Type		Twin Rotary type		
	Compressor Model		SNB140FQUH2T		
	Compressor Motor Output	kW	1.5		
	Compressor Rated Load Amps	A	10.7		
	Compressor Locked Rotor Amps	A	15.5		
	Compressor Oil Type // Charge	oz.	NEO22 / 20.3		
	External Finish Color		Munsell 3.0Y 7.8/1.1		
	Base Pan Heater		Optional		
	Unit Dimensions	W: In. [mm]	33-1/16 [840]		
		D: In. [mm]	13 [330]		
		H: In. [mm]	27-15/16 [710]		
Package Dimensions	W: In. [mm]	40 [1,010]			
	D: In. [mm]	18-1/2 [470]			
	H: In. [mm]	33-1/2 [850]			
Unit Weight	Lbs. [kg]	126 [57]			
Package Weight	Lbs. [kg]	147 [67]			
Outdoor unit operating temperature range	Cooling Intake Air Temp (Maximum / Minimum)	°F	14 to 115		
	Heating Intake Air Temp (Maximum / Minimum)	°F	5 to 75		
	Thermal Lock-out / Re-start Temperatures	°F	Cooling: 10.4 / 14 Heating: 1.5 / 5		

SPECIFICATIONS: MXZ-2C20NA2

Model number	Outdoor unit		MXZ-2C20NA2		
	Indoor unit type		Non-Ducted	Mix	Ducted
Refrigerant	Type		R410A		
	Charge	Lbs., Oz.	3, 15		
Indoor unit connection	Maximum Number of Connected IDU		2		
	Minimum Number of Connected IDU		2		
	Maximum connected capacity	Btu/h	24,000		
	Minimum connected capacity	Btu/h	12,000		
Piping	Gas Pipe Size O.D. (Flared)	In. [mm]	3/8 [9.52]		
	Liquid Pipe Size O.D. (Flared)	In. [mm]	1/4 [6.35]		
	Total Piping Length	Ft. [m]	164 [50]		
	Maximum Height Difference, ODU above IDU	Ft. [m]	33 [10]		
	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		50		

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	*1 Cooling (Indoor // Outdoor)	°F	80°F DB, 67°F WB // 95°F DB, 75°F WB		
	*2 Heating at 47°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 47°F DB, 43°F WB		
	*3 Heating at 17°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 17°F DB, 15°F WB		
Conditions	*4 Heating at 5°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // -4°F DB, -5°F WB		

For reference to connected capacity charts, please refer MXZ-2C20NA2-U1 Operational Performance.

Notes:

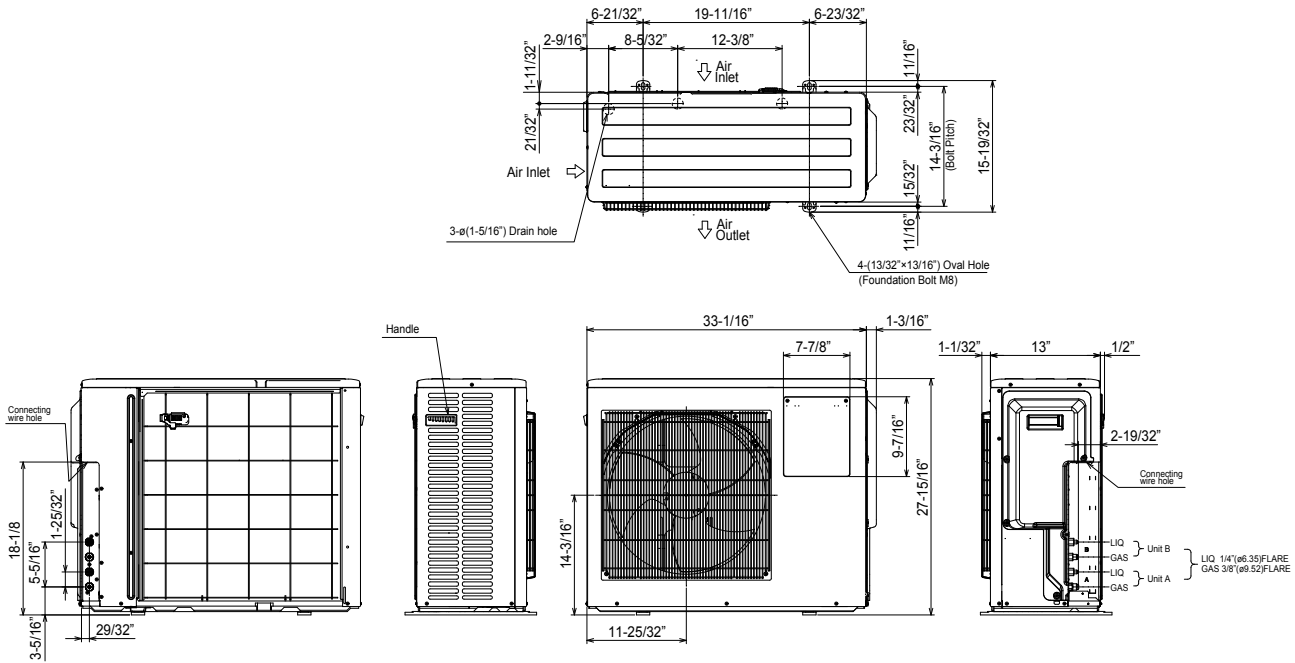
ACCESSORIES: MXZ-2C20NA2

Joint Pipe	Port Adapter size: 3/8" x 5/8"	<input type="checkbox"/> PAC-SG76RJ-E
	Port Adapter size: 1/4" x 3/8"	<input type="checkbox"/> PAC-493PI
	Port Adapter size: 3/8" X 1/2"	<input type="checkbox"/> MAC-A454JP-E
	Port Adapter size: 1/2" X 3/8"	<input type="checkbox"/> MAC-A455JP-E
	Port Adapter size: 1/2" X 5/8"	<input type="checkbox"/> MAC-A456JP-E
Air Discharge Guide		<input type="checkbox"/> MAC-856SG
Base Pan Heater		<input type="checkbox"/> PAC-646BH-E
Control Cable		<input type="checkbox"/> CW162S
3-pole Disconnect		<input type="checkbox"/> TAZ-MS303
M-NET Adapter		<input type="checkbox"/> PAC-IF01MNT-E
Wall Mounting Bracket (Powder-coated Steel)		<input type="checkbox"/> QSWB2000M-1
Wall Mounting Bracket (316 Series Stainless Steel)		<input type="checkbox"/> QSWBSS
Outdoor Unit Mounting Pad 24" x 42" x 3"		<input type="checkbox"/> ULTRILITE2
MiniSplit Mounting Stand-Dual Fan models - 12"		<input type="checkbox"/> QSMS1202M
MiniSplit Mounting Stand-Dual Fan models - 18"		<input type="checkbox"/> QSMS1802M
MiniSplit Mounting Stand-Dual Fan models - 24"		<input type="checkbox"/> QSMS2402M
Diamondback Linesets* ¹	1/4 x 1/2 x 15' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MLS141212T-15
	1/4 x 1/2 x 30' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MLS141212T-30
	1/4 x 1/2 x 50' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MLS141212T-50
	1/4 x 1/2 x 65' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MLS141212T-65
	1/4 x 1/2 x 100' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MLS141212T-100
	3/8 x 5/8 x 10' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-10
	3/8 x 5/8 x 15' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-15
	3/8 x 5/8 x 30' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-30
	3/8 x 5/8 x 50' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-50
	3/8 x 5/8 x 65' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-65
	3/8 x 5/8 x 100' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-100

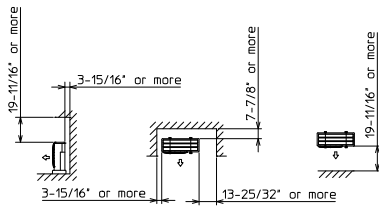
*¹ Linesets are indoor unit specific and will be listed in the IDU information - the Joint Pipe adaptors are used in this application

DIMENSIONS: MXZ-2C20NA2

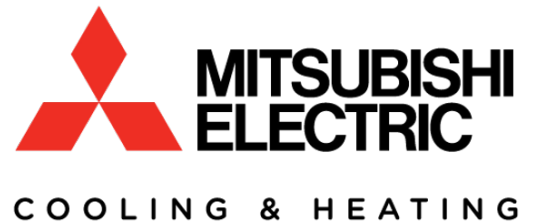
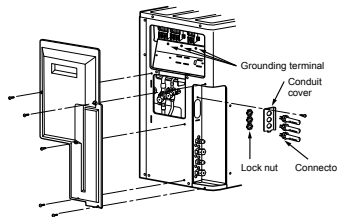
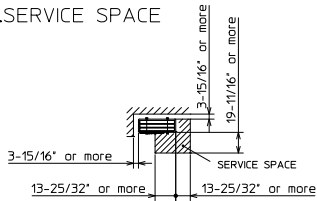
Unit: inch (mm)



1. FREE SPACE



2. SERVICE SPACE



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FORM# MXZ-2C20NA2 - 201805



Specifications are subject to change without notice.

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