

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

Reference
  Approval
  Construction



### Basic product info.

ODU Model Number	MXZ-3D24NLHZ
AHRI Certification (Multi Non-ducted)	216505933
AHRI Certification (Multi Mixed)	216505941
AHRI Certification (Multi Ducted)	216505937
NEEP Certified (Multi Non-ducted)	Yes
NEEP Certified (Multi Mixed)	Yes
NEEP Certified (Multi Ducted)	No

### Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity (Multi Non-ducted)	23600	Btu/h
Cooling 95F Maximum Capacity (Multi Mixed)	23600	Btu/h
Cooling 95F Maximum Capacity (Multi Ducted)	23600	Btu/h
Cooling 95F Rated Capacity (Multi Non-ducted)	22000	Btu/h
Cooling 95F Rated Capacity (Multi Mixed)	22800	Btu/h
Cooling 95F Rated Capacity (Multi Ducted)	23600	Btu/h
Cooling 95F Minimum Capacity (Multi Non-ducted)	11600	Btu/h
Cooling 95F Minimum Capacity (Multi Mixed)	11600	Btu/h
Cooling 95F Minimum Capacity (Multi Ducted)	11600	Btu/h
Cooling Maximum Power Input (Multi Non-ducted)	2760	W
Cooling Maximum Power Input (Multi Mixed)	3080	W
Cooling Maximum Power Input (Multi Ducted)	3400	W
Cooling Rated Power Input (Multi Non-ducted)	1693	W
Cooling Rated Power Input (Multi Mixed)	2027	W
Cooling Rated Power Input (Multi Ducted)	2360	W

### Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity (Multi Non-ducted)	30600	Btu/h
Heating 47F Maximum Capacity (Multi Mixed)	30600	Btu/h
Heating 47F Maximum Capacity (Multi Ducted)	30600	Btu/h
Heating 47F Rated Capacity (Multi Non-ducted)	25000	Btu/h
Heating 47F Rated Capacity (Multi Mixed)	24800	Btu/h
Heating 47F Rated Capacity (Multi Ducted)	24600	Btu/h
Heating 47F Minimum Capacity (Multi Non-ducted)	12800	Btu/h
Heating 47F Minimum Capacity (Multi Mixed)	12800	Btu/h
Heating 47F Minimum Capacity (Multi Ducted)	12800	Btu/h
Heating 47F Rated Power Input (Multi Non-ducted)	2094	W
Heating 47F Rated Power Input (Multi Mixed)	2139.5	W
Heating 47F Rated Power Input (Multi Ducted)	2185	W
COP 47F at Rated Condition (Multi Non-ducted)	3.48	
COP 47F at Rated Condition (Multi Mixed)	3.38	
COP 47F at Rated Condition (Multi Ducted)	3.28	

**Performance: Heating at 17F (-8.3C)**

Heating 17F Maximum Capacity (Multi Non-ducted)	25000	Btu/h
Heating 17F Maximum Capacity (Multi Mixed)	24800	Btu/h
Heating 17F Maximum Capacity (Multi Ducted)	24600	Btu/h
Heating 17F Rated Capacity (Multi Non-ducted)	15400	Btu/h
Heating 17F Rated Capacity (Multi Mixed)	15400	Btu/h
Heating 17F Rated Capacity (Multi Ducted)	15400	Btu/h
Heating 17F Maximum Power Input (Multi Non-ducted)	3627	W
Heating 17F Maximum Power Input (Multi Mixed)	3711	W
Heating 17F Maximum Power Input (Multi Ducted)	3795	W
Heating 17F Rated Power Input (Multi Non-ducted)	1590	W
Heating 17F Rated Power Input (Multi Mixed)	1802.5	W
Heating 17F Rated Power Input (Multi Ducted)	2015	W
COP 17F at Maximum capacity (Multi Non-ducted)	2.02	
COP 17F at Maximum capacity (Multi Mixed)	1.94	
COP 17F at Maximum capacity (Multi Ducted)	1.88	
COP 17F at Rated Condition (Multi Non-ducted)	2.82	
COP 17F at Rated Condition (Multi Mixed)	2.5	
COP 17F at Rated Condition (Multi Ducted)	2.22	

**Performance: Heating at 5F (-15C)**

Heating 5F Maximum Capacity (Multi Non-ducted) (H4Full)	25000	Btu/h
Heating 5F Maximum Capacity (Multi Mixed) (H4Full)	24800	Btu/h
Heating 5F Maximum Capacity (Multi Ducted) (H4Full)	24600	Btu/h
Heating 5F Rated Capacity (Multi Non-ducted) (H4Full)	25000	Btu/h
Heating 5F Rated Capacity (Multi Mixed) (H4Full)	24800	Btu/h
Heating 5F Rated Capacity (Multi Ducted) (H4Full)	24600	Btu/h
Heating 5F Maximum Power Input (Multi Non-ducted) (H4Full)	3627	W
Heating 5F Maximum Power Input (Multi Mixed) (H4Full)	3988.5	W
Heating 5F Maximum Power Input (Multi Ducted) (H4Full)	4350	W
Heating 5F Rated Power Input (Multi Non-ducted) (H4Full)	3627	W
Heating 5F Rated Power Input (Multi Mixed) (H4Full)	3988.5	W
Heating 5F Rated Power Input (Multi Ducted) (H4Full)	4350	W
COP 5F at Maximum capacity (Multi Non-ducted) (H4Full)	2.02	
COP 5F at Maximum capacity (Multi Mixed) (H4Full)	1.82	
COP 5F at Maximum capacity (Multi Ducted) (H4Full)	1.64	

**ODU Operating Temp. Range**

Cooling Thermal Re-start Temp	14 / -10	F° / C°
Cooling Thermal Lock-out Temp	10 / -12.2	F° / C°
Heating Thermal Re-start Temp	-14 / -25.6	F° / C°
Heating Thermal Lock-out Temp	-23 / -30.6	F° / C°

**Rebates**

Energy Star 6.1 Certified (Multi Non-ducted)	Yes	
Energy Star 6.1 Certified (Multi Mixed)	No	
Energy Star 6.1 Certified (Multi Ducted)	No	
Energy Star 6.1 Cold Climate Certified (Multi Non-ducted)	Yes	
Energy Star 6.1 Cold Climate Certified (Multi Mixed)	Yes	
Energy Star 6.1 Cold Climate Certified (Multi Ducted)	No	

**Efficiency**

SEER2 (Multi Non-ducted)	20	
SEER2 (Multi Mixed)	17.2	
SEER2 (Multi Ducted)	14.4	
EER2 (Multi Non-ducted)	13	
EER2 (Multi Mixed)	11.5	
EER2 (Multi Ducted)	10	
HSPF2 (V) (Multi Non-ducted)	8	
HSPF2 (V) (Multi Mixed)	7.1	
HSPF2 (V) (Multi Ducted)	6.2	

**Electrical**

Phase	1	
ODU Minimum Circuit Ampacity (MCA)	29	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	49	A

**IDU Connection**

Maximum Number of Connected IDU	3	
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**Outdoor Unit**

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	37-13/32	inch
ODU Unit Dimension D	13	inch
ODU Unit Dimension H	31-11/32	inch
ODU Unit Weight	152	lbs

**Piping**

Gas Pipe A Size O.D. [Flared]	1/2	inch
Liquid Pipe A Size O.D. [Flared]	1/4	inch
Gas Pipe B Size O.D. [Flared]	3/8	inch
Liquid Pipe B Size O.D. [Flared]	1/4	inch
Gas Pipe C Size O.D. [Flared]	3/8	inch
Liquid Pipe C Size O.D. [Flared]	1/4	inch
Total Piping Length	230	ft
Maximum Height Difference, ODU above IDU	49	ft
Maximum Height Difference, ODU below IDU	49	ft

**Refrigerant**

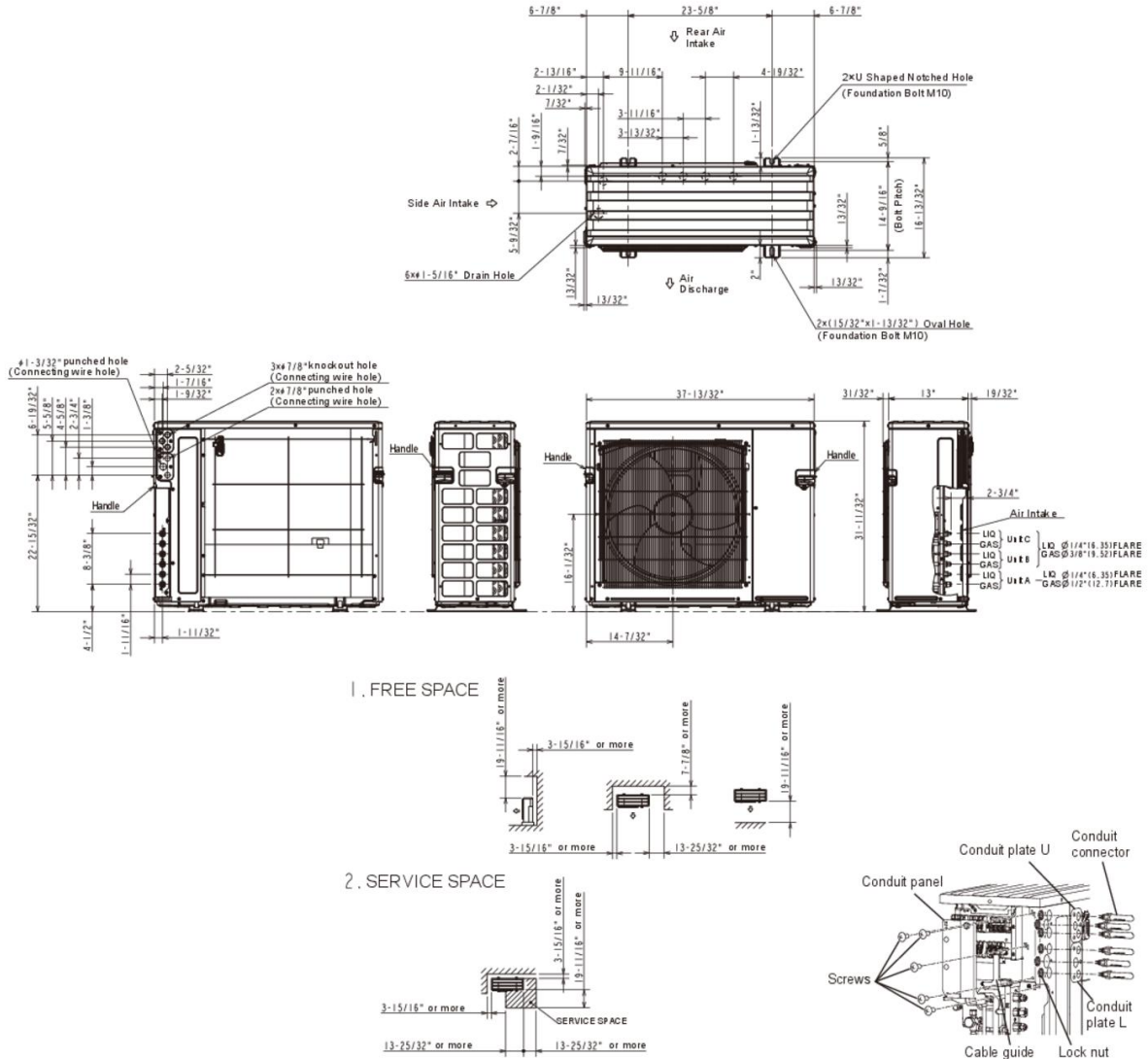
Pre-charged Refrigerant Amount	98.8	oz
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AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (\* Windscreens required for cooling operations below 23°F (-5°C))

- <sup>1</sup> Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- <sup>2</sup> Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- <sup>3</sup> Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB
- tHeating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB
- uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

MXZ-3D24NLHZ

Unit: inch (mm)



**MXZ-D P-Series Compatibility: P-Series**

P-Series	2 X 2 Cassette	PLA-AE24NL								
P-Series	2 X 2 Cassette	PLA-AE30NL								
P-Series	2 X 2 Cassette	PLA-AE36NL								
P-Series	2 X 2 Cassette	PLA-AE42NL								
P-Series	Ceiling Suspended	PCA-AK24NL								
P-Series	Ceiling Suspended	PCA-AK30NL								
P-Series	Ceiling Suspended	PCA-AK36NL								
P-Series	Ceiling Suspended	PCA-AK42NL								
P-Series	Multi-Position	PEAD-AA09NL	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3
P-Series	Multi-Position	PEAD-AA12NL	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3	*2,3
P-Series	Multi-Position	PEAD-AA15NL		*2,3	*2,3	*2,3	*2,3		*2,3	*2,3
P-Series	Multi-Position	PEAD-AA18NL		*2,3	*2,3	*2,3	*2,3		*2,3	*2,3
P-Series	Multi-Position	PEAD-AA24NL			*2,3	*2,3	*2,3			*2,3
P-Series	Multi-Position	PEAD-AA30NL								
P-Series	Multi-Position	PEAD-AA36NL								
P-Series	Multi-Position	PEAD-AA42NL								
P-Series	Hybrid A-Coil	PAA-AA18NL		*	*	*	*		*	*
P-Series	Hybrid A-Coil	PAA-BA18NL		*	*	*	*		*	*
P-Series	Hybrid A-Coil	PAA-AA24NL			*	*	*			*
P-Series	Hybrid A-Coil	PAA-BA24NL			*	*	*			*
P-Series	Hybrid A-Coil	PAA-AA30NL				*	*			*
P-Series	Hybrid A-Coil	PAA-BA30NL								
P-Series	Hybrid A-Coil	PAA-BA36NL								
P-Series	Hybrid A-Coil	PAA-CA36NL								
P-Series	Hybrid A-Coil	PAA-BA42NL								
P-Series	Hybrid A-Coil	PAA-CA42NL								

\*1 - Up to maximum of two SVZ / PAA indoor units can be connected

\*2 - SVZ / PAA and PEAD cannot be connected in the same system

**MXZ-D M-Series Compatibility: M-Series**

M-Series	Wall Mount	MSZ-FX06NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-FX09NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-FX12NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-FX15NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-FX18NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-FX24NL								
M-Series	Wall Mount	MSZ-GX06NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-GX09NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-GX12NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-GX15NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-GX18NL	*	*	*	*	*	*	*	*
M-Series	Wall Mount	MSZ-GX24NL			*	*	*			*
M-Series	Wall Mount	MSZ-GX30NL								
M-Series	Wall Mount	MSZ-GX36NL								
M-Series	Floor Standing	MFZ-KX09NL	*	*	*	*	*	*	*	*
M-Series	Floor Standing	MFZ-KX12NL	*	*	*	*	*	*	*	*
M-Series	Floor Standing	MFZ-KX15NL	*	*	*	*	*	*	*	*
M-Series	Floor Standing	MFZ-KX18NL	*	*	*	*	*	*	*	*
M-Series	1 Way Cassette	MLZ-KX06NL	*	*	*	*	*	*	*	*
M-Series	1 Way Cassette	MLZ-KX09NL	*	*	*	*	*	*	*	*
M-Series	1 Way Cassette	MLZ-KX12NL	*	*	*	*	*	*	*	*
M-Series	1 Way Cassette	MLZ-KX18NL	*	*	*	*	*	*	*	*
M-Series	2 X 2 Cassette	SLZ-AF09NL	*	*	*	*	*	*	*	*
M-Series	2 X 2 Cassette	SLZ-AF12NL	*	*	*	*	*	*	*	*
M-Series	2 X 2 Cassette	SLZ-AF15NL	*	*	*	*	*	*	*	*
M-Series	2 X 2 Cassette	SLZ-AF18NL	*	*	*	*	*	*	*	*
M-Series	Ceiling Concealed	SEZ-AD09NL	*	*	*	*	*	*	*	*
M-Series	Ceiling Concealed	SEZ-AD12NL	*	*	*	*	*	*	*	*
M-Series	Ceiling Concealed	SEZ-AD15NL	*	*	*	*	*	*	*	*
M-Series	Ceiling Concealed	SEZ-AD18NL	*	*	*	*	*	*	*	*
M-Series	Multi-Position	SVZ-AP12NL	*2,4	*1,2	*1,2	*1,2	*1,2	*1,2	*1,2	*1,2
M-Series	Multi-Position	SVZ-AP18NL		*1,2	*1,2	*1,2	*1,2		*1,2	*1,2
M-Series	Multi-Position	SVZ-AP24NL			*1,2	*1,2	*1,2			*1,2
M-Series	Multi-Position	SVZ-AP30NL								

