

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

Reference
 Approval
 Construction



Basic product info.

ODU Model Number	MXZ-2D20NLHZ
AHRI Certification (Multi Non-ducted)	216505925
AHRI Certification (Multi Mixed)	216505931
AHRI Certification (Multi Ducted)	216505928
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)	20000	Btu/h
Cooling 95F Maximum Capacity (Multi Mixed)	20000	Btu/h
Cooling 95F Maximum Capacity (Multi Ducted)	20000	Btu/h
Cooling 95F Rated Capacity (Multi Non-ducted)	18000	Btu/h
Cooling 95F Rated Capacity (Multi Mixed)	19000	Btu/h
Cooling 95F Rated Capacity (Multi Ducted)	20000	Btu/h
Cooling 95F Minimum Capacity (Multi Non-ducted)	11600	Btu/h
Cooling 95F Minimum Capacity (Multi Mixed)	13800	Btu/h
Cooling 95F Minimum Capacity (Multi Ducted)	16000	Btu/h
Cooling Maximum Power Input (Multi Non-ducted)	2680	W
Cooling Maximum Power Input (Multi Mixed)	2340	W
Cooling Maximum Power Input (Multi Ducted)	2000	W
Cooling Rated Power Input (Multi Non-ducted)	1333	W
Cooling Rated Power Input (Multi Mixed)	1568	W
Cooling Rated Power Input (Multi Ducted)	1802	W

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity (Multi Non-ducted)	25500	Btu/h
Heating 47F Maximum Capacity (Multi Mixed)	25500	Btu/h
Heating 47F Maximum Capacity (Multi Ducted)	25500	Btu/h
Heating 47F Rated Capacity (Multi Non-ducted)	22000	Btu/h
Heating 47F Rated Capacity (Multi Mixed)	22000	Btu/h
Heating 47F Rated Capacity (Multi Ducted)	22000	Btu/h
Heating 47F Minimum Capacity (Multi Non-ducted)	11400	Btu/h
Heating 47F Minimum Capacity (Multi Mixed)	13850	Btu/h
Heating 47F Minimum Capacity (Multi Ducted)	16300	Btu/h
Heating 47F Rated Power Input (Multi Non-ducted)	1612	W
Heating 47F Rated Power Input (Multi Mixed)	1650	W
Heating 47F Rated Power Input (Multi Ducted)	1688	W
COP 47F at Rated Condition (Multi Non-ducted)	3.98	
COP 47F at Rated Condition (Multi Mixed)	3.9	
COP 47F at Rated Condition (Multi Ducted)	3.8	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity (Multi Non-ducted)	22000	Btu/h
Heating 17F Maximum Capacity (Multi Mixed)	22000	Btu/h
Heating 17F Maximum Capacity (Multi Ducted)	22000	Btu/h
Heating 17F Rated Capacity (Multi Non-ducted)	14300	Btu/h
Heating 17F Rated Capacity (Multi Mixed)	13400	Btu/h
Heating 17F Rated Capacity (Multi Ducted)	12500	Btu/h
Heating 17F Maximum Power Input (Multi Non-ducted)	3300	W
Heating 17F Maximum Power Input (Multi Mixed)	3325	W
Heating 17F Maximum Power Input (Multi Ducted)	3350	W
Heating 17F Rated Power Input (Multi Non-ducted)	1612	W
Heating 17F Rated Power Input (Multi Mixed)	1556	W
Heating 17F Rated Power Input (Multi Ducted)	1500	W
COP 17F at Maximum capacity (Multi Non-ducted)	1.94	
COP 17F at Maximum capacity (Multi Mixed)	1.92	
COP 17F at Maximum capacity (Multi Ducted)	1.92	
COP 17F at Rated Condition (Multi Non-ducted)	2.58	
COP 17F at Rated Condition (Multi Mixed)	2.52	
COP 17F at Rated Condition (Multi Ducted)	2.44	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (Multi Non-ducted) (H4Full)	22000	Btu/h
Heating 5F Maximum Capacity (Multi Mixed) (H4Full)	22000	Btu/h
Heating 5F Maximum Capacity (Multi Ducted) (H4Full)	22000	Btu/h
Heating 5F Rated Capacity (Multi Non-ducted) (H4Full)	22000	Btu/h
Heating 5F Rated Capacity (Multi Mixed) (H4Full)	15300	Btu/h
Heating 5F Rated Capacity (Multi Ducted) (H4Full)	8700	Btu/h
Heating 5F Maximum Power Input (Multi Non-ducted) (H4Full)	3220	W
Heating 5F Maximum Power Input (Multi Mixed) (H4Full)	3240	W
Heating 5F Maximum Power Input (Multi Ducted) (H4Full)	3260	W
Heating 5F Rated Power Input (Multi Non-ducted) (H4Full)	3220	W
Heating 5F Rated Power Input (Multi Mixed) (H4Full)	2338.5	W
Heating 5F Rated Power Input (Multi Ducted) (H4Full)	1457	W
COP 5F at Maximum capacity (Multi Non-ducted) (H4Full)	2	
COP 5F at Maximum capacity (Multi Mixed) (H4Full)	1.98	
COP 5F at Maximum capacity (Multi Ducted) (H4Full)	1.96	

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)	Yes	
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)	19.3	
SEER2 (Multi Mixed)	16.8	
SEER2 (Multi Ducted)	14.3	
EER2 (Multi Non-ducted)	13.5	
EER2 (Multi Mixed)	12.3	
EER2 (Multi Ducted)	11.1	
HSPF2 (V) (Multi Non-ducted)	8.6	
HSPF2 (V) (Multi Mixed)	7.6	
HSPF2 (V) (Multi Ducted)	6.6	

Electrical

Phase	1	
ODU Minimum Circuit Ampacity (MCA)	21.7	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	38	A

IDU Connection

Maximum Number of Connected IDU	2	
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Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	37-11/32	inch
ODU Unit Dimension D	13	inch
ODU Unit Dimension H	31-11/32	inch
ODU Unit Weight	137	lbs

Piping

Gas Pipe A Size O.D. [Flared]	3/8	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
Total Piping Length	164	ft
Maximum Height Difference, ODU above IDU	49	ft
Maximum Height Difference, ODU below IDU	49	ft

Refrigerant

Pre-charged Refrigerant Amount	84.7	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))

- ¹ 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
- ² 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
- ³ 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-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								

