

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
Application:	

Reference Approval Construction



Basic product info.

ODU Model Number	MXZ-3D24NL
AHRI Certification (Multi Non-ducted)	216505924
AHRI Certification (Multi Mixed)	216505929
AHRI Certification (Multi Ducted)	216505926
NEEP Certified (Multi Non-ducted)	Yes
NEEP Certified (Multi Mixed)	Yes
NEEP Certified (Multi Ducted)	Yes

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity (Multi Non-ducted)	22000	Btu/h
Cooling 95F Maximum Capacity (Multi Mixed)	22000	Btu/h
Cooling 95F Maximum Capacity (Multi Ducted)	22000	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)	11300	Btu/h
Cooling 95F Minimum Capacity (Multi Ducted)	11000	Btu/h
Cooling Maximum Power Input (Multi Non-ducted)	4040	W
Cooling Maximum Power Input (Multi Mixed)	3370	W
Cooling Maximum Power Input (Multi Ducted)	2700	W
Cooling Rated Power Input (Multi Non-ducted)	1605	W
Cooling Rated Power Input (Multi Mixed)	1811	W
Cooling Rated Power Input (Multi Ducted)	2017	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)	25200	Btu/h
Heating 47F Rated Capacity (Multi Ducted)	25400	Btu/h
Heating 47F Minimum Capacity (Multi Non-ducted)	13600	Btu/h
Heating 47F Minimum Capacity (Multi Mixed)	13200	Btu/h
Heating 47F Minimum Capacity (Multi Ducted)	12800	Btu/h
Heating 47F Maximum Power Input (Multi Non-ducted)	3700	W
Heating 47F Maximum Power Input (Multi Mixed)	3900	W
Heating 47F Maximum Power Input (Multi Ducted)	4100	W
Heating 47F Rated Power Input (Multi Non-ducted)	1704	W
Heating 47F Rated Power Input (Multi Mixed)	1806.5	W
Heating 47F Rated Power Input (Multi Ducted)	1909	W
COP 47F at Rated Condition (Multi Non-ducted)	4.28	
COP 47F at Rated Condition (Multi Mixed)	4.08	
COP 47F at Rated Condition (Multi Ducted)	3.88	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity (Multi Non-ducted)	21000	Btu/h
Heating 17F Maximum Capacity (Multi Mixed)	21000	Btu/h
Heating 17F Maximum Capacity (Multi Ducted)	21000	Btu/h
Heating 17F Rated Capacity (Multi Non-ducted)	15500	Btu/h
Heating 17F Rated Capacity (Multi Mixed)	15700	Btu/h
Heating 17F Rated Capacity (Multi Ducted)	16000	Btu/h
Heating 17F Maximum Power Input (Multi Non-ducted)	2960	W
Heating 17F Maximum Power Input (Multi Mixed)	2960	W
Heating 17F Maximum Power Input (Multi Ducted)	2960	W
Heating 17F Rated Power Input (Multi Non-ducted)	1704	W
Heating 17F Rated Power Input (Multi Mixed)	1707.5	W
Heating 17F Rated Power Input (Multi Ducted)	1711	W
COP 17F at Maximum capacity (Multi Non-ducted)	2.06	
COP 17F at Maximum capacity (Multi Mixed)	2.06	
COP 17F at Maximum capacity (Multi Ducted)	2.06	
COP 17F at Rated Condition (Multi Non-ducted)	2.66	
COP 17F at Rated Condition (Multi Mixed)	2.68	
COP 17F at Rated Condition (Multi Ducted)	2.74	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (Multi Non-ducted) (H4Full)	19800	Btu/h
Heating 5F Maximum Capacity (Multi Mixed) (H4Full)	19800	Btu/h
Heating 5F Maximum Capacity (Multi Ducted) (H4Full)	19800	Btu/h
Heating 5F Rated Capacity (Multi Non-ducted) (H4Full)	19800	Btu/h
Heating 5F Rated Capacity (Multi Mixed) (H4Full)	15700	Btu/h
Heating 5F Rated Capacity (Multi Ducted) (H4Full)	11600	Btu/h
Heating 5F Maximum Power Input (Multi Non-ducted) (H4Full)	2800	W
Heating 5F Maximum Power Input (Multi Mixed) (H4Full)	2850	W
Heating 5F Maximum Power Input (Multi Ducted) (H4Full)	2900	W
Heating 5F Rated Power Input (Multi Non-ducted) (H4Full)	2800	W
Heating 5F Rated Power Input (Multi Mixed) (H4Full)	2179.5	W
Heating 5F Rated Power Input (Multi Ducted) (H4Full)	1559	W
COP 5F at Maximum capacity (Multi Non-ducted) (H4Full)	2.06	
COP 5F at Maximum capacity (Multi Mixed) (H4Full)	2.02	
COP 5F at Maximum capacity (Multi Ducted) (H4Full)	2	

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	5 / -15	F° / C°
Heating Thermal Lock-out Temp	-4 / -20	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)	Yes	

Efficiency

HSPF2 (V) (Multi Non-ducted)	7.6	
HSPF2 (V) (Multi Mixed)	7.5	
HSPF2 (V) (Multi Ducted)	7.4	
SEER2 (Multi Non-ducted)	20	
SEER2 (Multi Mixed)	18	
SEER2 (Multi Ducted)	16	
EER2 (Multi Non-ducted)	13.7	
EER2 (Multi Mixed)	12.7	
EER2 (Multi Ducted)	11.7	

Electrical

ODU Minimum Circuit Ampacity (MCA)	28.7	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	48	A

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Optional	
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Piping

Gas Pipe C Size O.D. [Flared]	3/8	inch
Liquid Pipe C Size O.D. [Flared]	1/4	inch
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
Total Piping Length	230	ft

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount	84.7	oz

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								

