

Submittal Data: MFZ-KX18NL SUZ-AA18NLHZ

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

☐ Reference ☐ Approval ☐ Construction



Basic product info.

IDU Model Number	MFZ-KX18NL	
ODU Model Number	SUZ-AA18NLHZ	
AHRI Certificate	215734921	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	18000	
Cooling 95F Rated Capacity	18000	
Cooling 95F Minimum Capacity	5000	
Cooling Maximum Power Input	1450	
Cooling Rated Power Input	1450	
Cooling Minimum Power Input	380	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.75	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	22500	
Heating 47F Rated Capacity	20000	
Heating 47F Minimum Capacity	8400	
Heating 47F Maximum Power Input	2110	
Heating 47F Rated Power Input	1690	
Heating 47F Minimum Power Input	480	
COP 47F at Rated Condition	3.4	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	20000	
Heating 17F Rated Capacity	13400	
Heating 17F Minimum Capacity	4100	
Heating 17F Maximum Power Input	2910	
Heating 17F Rated Power Input	1490	
Heating 17F Minimum Power Input	620	
COP 17F at Maximum capacity	2	
COP 17F at Rated Condition	2.6	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	20000	
Heating 5F Minimum Capacity (H4Full)	3200	
Heating 5F Maximum Power Input (H4Full)	3050	
Heating 5F Rated Power Input (H4Full)	1260	
Heating 5F Minimum Power Input (H4Full)	530	
COP 5F at Maximum capacity (H4Full)	1.9	
Heating 5F Rated Capacity (H4Full)	10700	

Performance: Heating at -13F (-25C)

Heating -13F Maximum Capacity	12100	
Heating -13F Minimum Capacity	1900	
Heating -13F Maximum Power Input	2430	
Heating -13F Minimum Power Input	450	
COP -13F at Maximum Capacity	1.45	

ODU Operating Temp. Range

Heating Thermal Re-start Temp (C)	-25	
Cooling Thermal Re-start Temp (C)	-16	
Cooling Thermal Lock-out Temp (C)	-18.5	
Heating Thermal Lock-out Temp (C)	-30	
Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp (F)	-14	
Heating Thermal Lock-out Temp (F)	-22	

Rebates		
NEEP Certification	YES	
Energy Star 6.1 Certified	YES	
Energy Star 6.1 Cold Climate Certified	YES	

Efficiency		
SEER2	17.2	
EER2	12.4	
HSPF2 (IV)	9.9	
HSPF2(V)	8.1	

Electrical		
Recommended Fuse/Breaker Size of System (ODU)	30	
ODU Minimum Circuit Ampacity (MCA)	25	
Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
Phase	1	
Recommended Fuse/Breaker Size	30	

Indoor Unit		
External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
Drain Pipe Size (Outer size)	20	
IDU Airflow Rate, Cooling (Dry) CFM	198, 254, 328, 420, 491	
IDU Airflow Rate, Heating CFM	212, 268, 328, 399, 470	
IDU Unit Dimension W (inch)	29 1/2	
IDU Unit Dimension D (inch)	8 7/16	
IDU Unit Dimension H (inch)	23 5/8	

Outdoor Unit		
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W (inch)	41	
ODU Unit Dimension D (inch)	13 + 1	
ODU Unit Dimension H (inch)	52 43/64	
ODU Unit Weight (lbs)	115	

Piping		
Liquid Pipe Size O.D. [Flared]	1/4	
Gas Pipe Size O.D. [Flared]	1/2	
Maximum Piping Length (ft)	100	
Maximum Piping Length (m)	30	
ODU Liquid Pipe Size O.D. [Flared]	1/4	
ODU Gas Pipe Size O.D. [Flared]	1/2	

Refrigerant		
Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	3 lbs	

Accessories		
Remote Controller English	MAC-FL116M-E	
Remote Controller French	MAC-FL216M-E	
Wall Mount controller	PAR-42MAACAB (Requires system control interface)	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Deodorizing Filter	MAC-408FT-E	
Microparticle Catching Filter	MAC-EMF515FT-E	
System Interface (Full Control)	MAC-334IF-E	
System Interface (Functional Control)	MAC-497IF-E	
NA T-STAT Interface	RMF-CA200	
Simple CN105 Controller	PAC-SDW01RC-CA1	
Wi-Fi Adapter	Built-in	

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

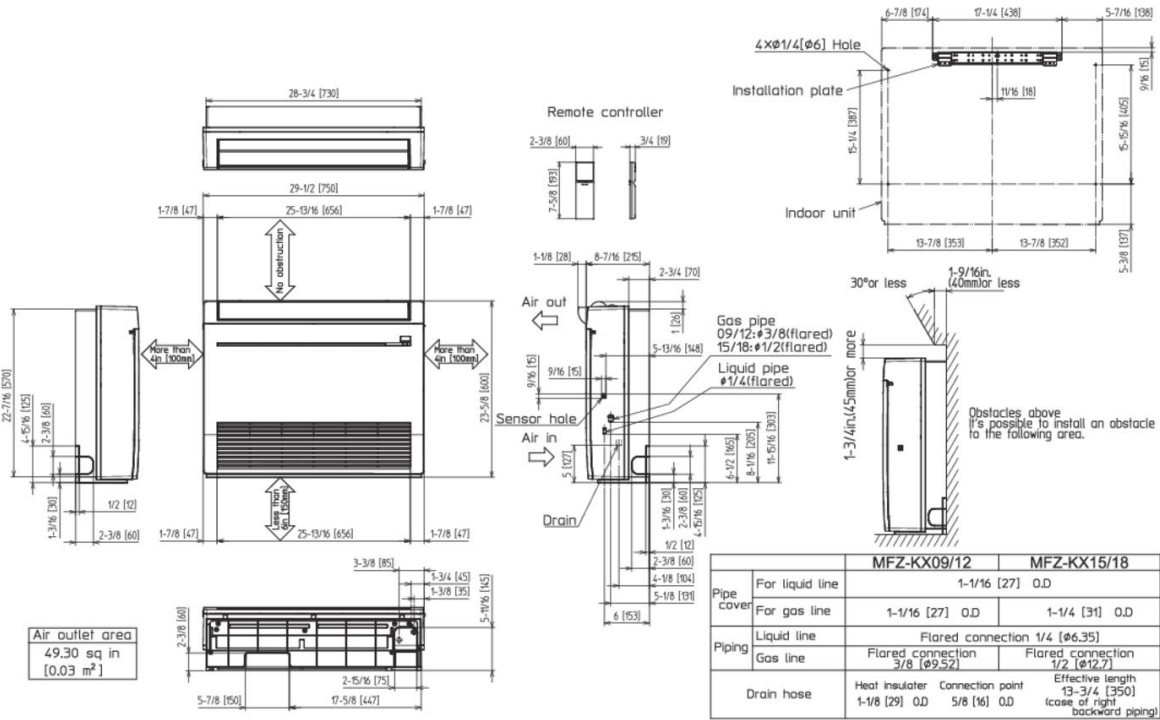
³ Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

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

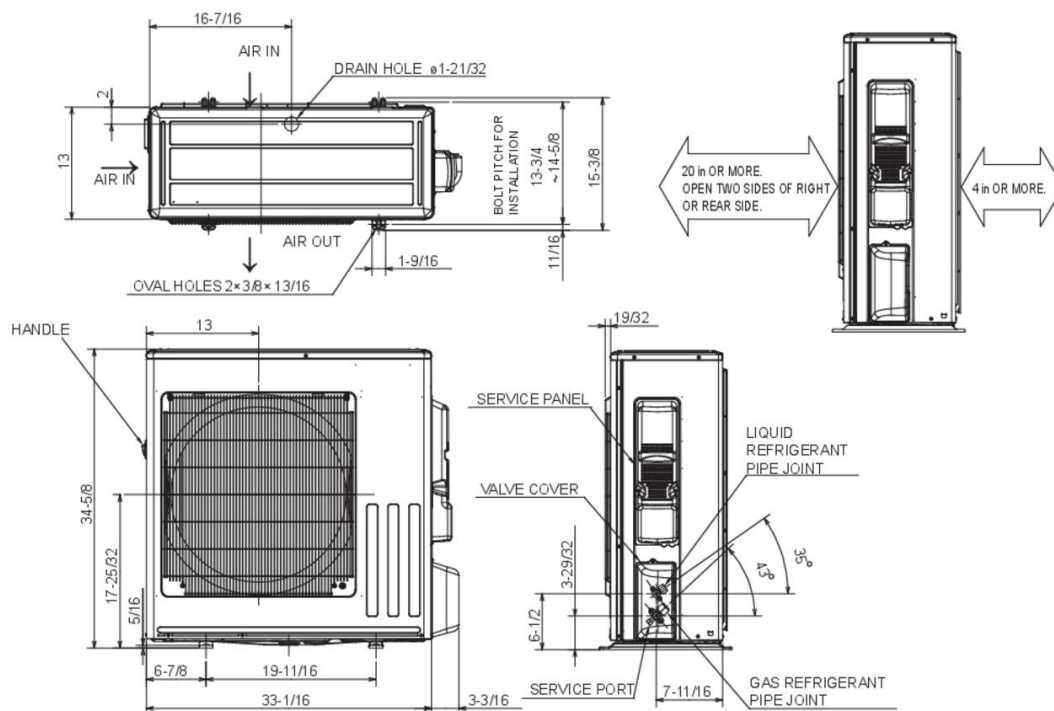
uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

MFZ-KX18NL

Unit: inch (mm)



Unit: inch



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED ø6.35 (1/4")
	GAS REFRIGERANT PIPE	AA09/12: FLARED ø9.52 (3/8") AA15/18: FLARED ø12.7 (1/2") AA24/30/36: FLARED ø15.88 (5/8")