

Submittal Data: MLZ-KX12NL SUZ-AA12NLHZ

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

☐ Reference ☐ Approval ☐ Construction



Basic product info.

IDU Model Number	MLZ-KX12NL	
ODU Model Number	SUZ-AA12NLHZ	
AHRI Certificate	215734912	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	12000	
Cooling 95F Rated Capacity	12000	
Cooling 95F Minimum Capacity	2900	
Cooling Maximum Power Input	900	
Cooling Rated Power Input	900	
Cooling Minimum Power Input	380	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.73	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	18000	
Heating 47F Rated Capacity	15000	
Heating 47F Minimum Capacity	7900	
Heating 47F Maximum Power Input	1790	
Heating 47F Rated Power Input	1330	
Heating 47F Minimum Power Input	480	
COP 47F at Rated Condition	3.3	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	15000	
Heating 17F Rated Capacity	9500	
Heating 17F Minimum Capacity	3700	
Heating 17F Maximum Power Input	1950	
Heating 17F Rated Power Input	1140	
Heating 17F Minimum Power Input	630	
COP 17F at Maximum capacity	2.2	
COP 17F at Rated Condition	2.4	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	15000	
Heating 5F Minimum Capacity (H4Full)	2900	
Heating 5F Maximum Power Input (H4Full)	2320	
Heating 5F Rated Power Input (H4Full)	840	
Heating 5F Minimum Power Input (H4Full)	480	
COP 5F at Maximum capacity (H4Full)	1.8	
Heating 5F Rated Capacity (H4Full)	15000	

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

Heating -13F Maximum Capacity	9000	
Heating -13F Minimum Capacity	1700	
Heating -13F Maximum Power Input	1850	
Heating -13F Minimum Power Input	410	
COP -13F at Maximum Capacity	1.42	

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	16.7	
EER2	13.3	
HSPF2 (IV)	9.6	
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	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	42	

Indoor Unit		
External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
Drain Pipe Size (Outer size)	1	
IDU Airflow Rate, Cooling (Dry) CFM	212, 258, 297, 332	
IDU Airflow Rate, Heating CFM	212, 272, 311, 350	
IDU Unit Dimension W (inch)	43 3/8	
IDU Unit Dimension D (inch)	14 3/16	
IDU Unit Dimension H (inch)	7 5/16	

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]	3/8	
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]	3/8	

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

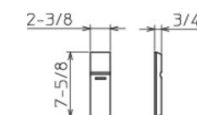
Accessories		
Remote Controller English	MAC-FL117M-E	
Remote Controller French	MAC-FL217M-E	
Wall Mount controller	PAR-42MAACAB (Requires system control interface)	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Deodorizing Filter	MAC-408FT-E	
Microparticle Catching Filter	MAC-EMF515FT-E	
System Interface (Full Control)	MAC-334IF-E	
System Interface (Functional Control)	MAC-497IF-E	
NA T-STAT Interface	RMF-CA200	
Grille	MLP-449WU	
Simple CN105 Controller	PAC-SDW01RC-CA1	
Wi-Fi Adapter	PAC-USWHS002CN-1	

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (* Windscreens required for cooling operations below 23°F (-5°C))

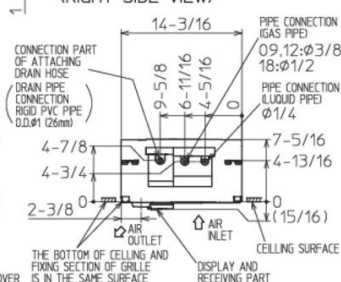
- ¹ Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- ² Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- ³ Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) 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

Unit: inch

(TOP VIEW)

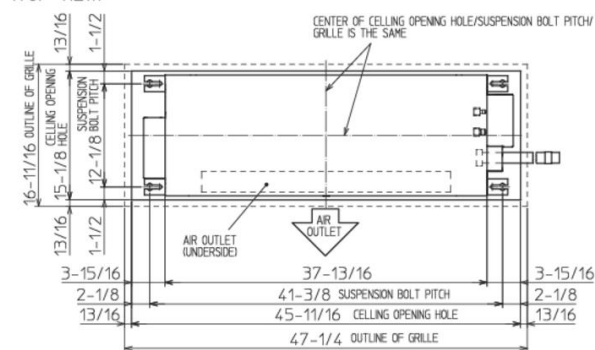


(RIGHT SIDE VIEW)



		KX09/12NL		KX18NL	
EXTENSION PIPE	LIQUID PIPE O.D.	ø1/4			
	GAS PIPE O.D.	ø3/8		ø1/2	
CONNECTIONS OF PIPE	LIQUID PIPE	FLARED CONNECTION ø1/4			
	GAS PIPE	FLARED CONNECTION ø3/8		FLARED CONNECTION ø1/2	
DRAIN HOSE		HEAT INSULATOR O.D.		CONNECTION O.D.	EFFECTIVE LENGTH
		ø1-1/4		ø1	18-7/8
DRAIN PIPE CONNECTION		RIGID PVC PIPE O.D. ø1 (26mm)			

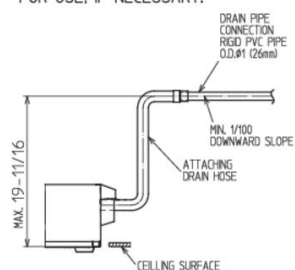
INDOOR UNIT DETAIL VIEW
(TOP VIEW)



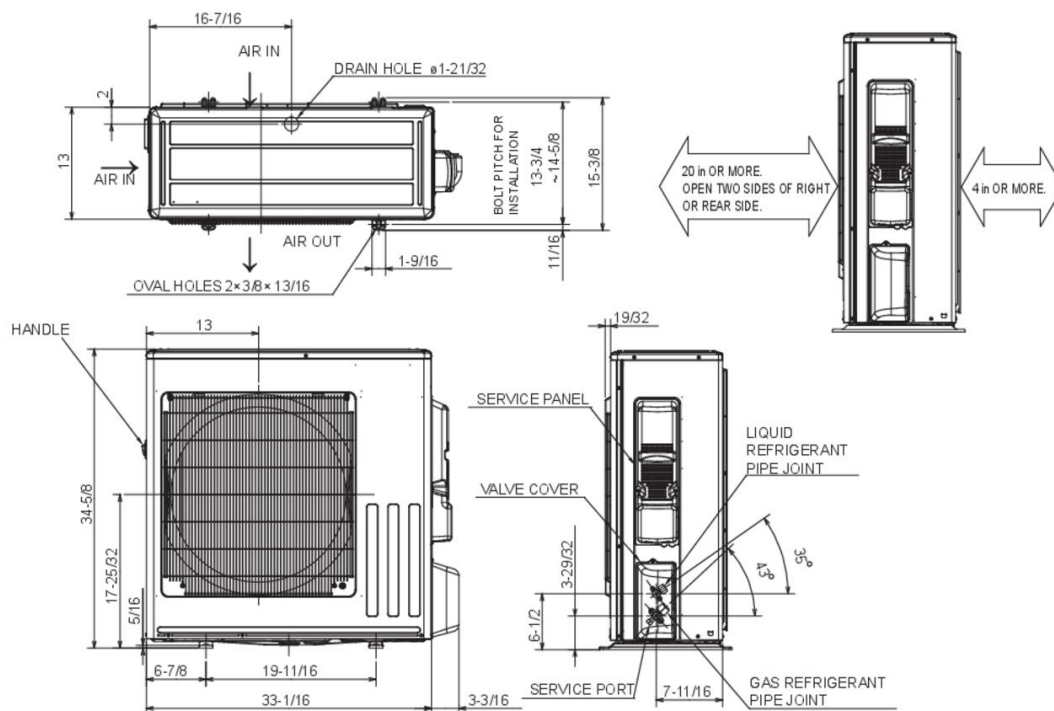
(FRONT VIEW)



THE METHOD FOR STANDING
DRAIN FROM INDOOR UNIT
※ CUT THE DRAIN HOSE (ACCESSORY)
FOR USE, IF NECESSARY.



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")