

Submittal Data: MLZ-KX18NL SUZ-AA18NLHZ

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

☐ Reference ☐ Approval ☐ Construction



Basic product info.

IDU Model Number	MLZ-KX18NL	
ODU Model Number	SUZ-AA18NLHZ	
AHRI Certificate	215734920	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	16400	
Cooling 95F Rated Capacity	16400	
Cooling 95F Minimum Capacity	5200	
Cooling Maximum Power Input	1390	
Cooling Rated Power Input	1390	
Cooling Minimum Power Input	380	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.71	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	21000	
Heating 47F Rated Capacity	18400	
Heating 47F Minimum Capacity	8100	
Heating 47F Maximum Power Input	2080	
Heating 47F Rated Power Input	1620	
Heating 47F Minimum Power Input	480	
COP 47F at Rated Condition	3.3	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	18400	
Heating 17F Rated Capacity	12000	
Heating 17F Minimum Capacity	3800	
Heating 17F Maximum Power Input	2750	
Heating 17F Rated Power Input	1410	
Heating 17F Minimum Power Input	620	
COP 17F at Maximum capacity	1.9	
COP 17F at Rated Condition	2.4	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	18400	
Heating 5F Minimum Capacity (H4Full)	3000	
Heating 5F Maximum Power Input (H4Full)	3050	
Heating 5F Rated Power Input (H4Full)	1110	
Heating 5F Minimum Power Input (H4Full)	470	
COP 5F at Maximum capacity (H4Full)	1.76	
Heating 5F Rated Capacity (H4Full)	18400	

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

Heating -13F Maximum Capacity	11100	
Heating -13F Minimum Capacity	1800	
Heating -13F Maximum Power Input	2440	
Heating -13F Minimum Power Input	400	
COP -13F at Maximum Capacity	1.33	

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	11.7	
HSPF2 (IV)	9.5	
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, 293, 346, 403	
IDU Airflow Rate, Heating CFM	212, 311, 364, 417	
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]	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	

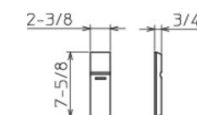
Accessories		
Remote Controller English	MAC-FL117M-E	
Remote Controller French	MAC-FL217M-E	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Deodorizing Filter	MAC-408FT-E	
Microparticle Catching Filter	MAC-EMF515FT-E	
System Interface (Full Control)	MAC-334IF-E	
System Interface (Functional Control)	MAC-497IF-E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

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

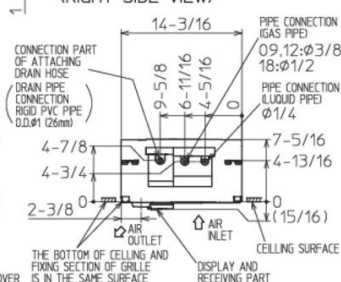
- ¹ Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- ² Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- ³ Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C)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



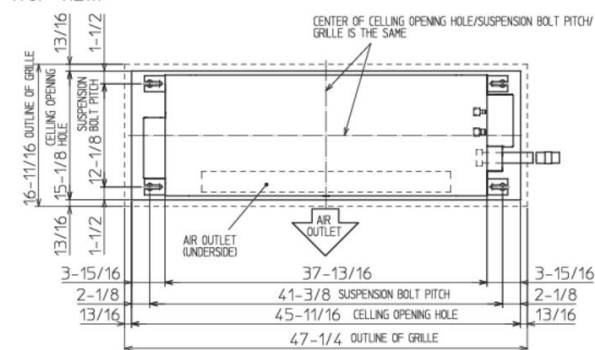
(RIGHT SIDE VIEW)



		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 I.D. EFFECTIVE LENGTH
		ø1-1/4	ø1 18-7/8
DRAIN PIPE CONNECTION		RIGID PVC PIPE O.D. ø1 (26mm)	

NOTE1. CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.

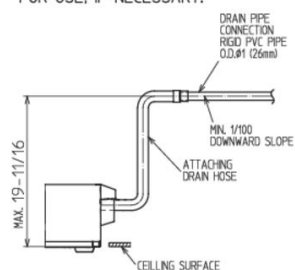
INDOOR UNIT DETAIL VIEW
(TOP VIEW)



(FRONT VIEW)



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



SUZ-AA18NLHZ-U1

Unit: inch

REQUIRED SPACE

