

Submittal Data: MSZ-HX18NL MUZ-HX18NLH2

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
Application:	

Reference Approval Construction



Basic product info.

IDU Model Number	MSZ-HX18NL
ODU Model Number	MUZ-HX18NLH2
AHRI Certificate	216801495

Performance: Cooling at 95F (35C)

Cooling 95F Rated Capacity	17200	Btu/h
Cooling 95F Minimum Capacity	5800	Btu/h
Cooling Maximum Power Input	2330	W
Cooling Rated Power Input	1370	W
Cooling Minimum Power Input	350	W
Moisture removal at AHRI Cooling Rating Conditions	3.4	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.78	-
Cooling 95F Maximum Capacity	18000	Btu/h

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	20800	Btu/h
Heating 47F Rated Capacity	18000	Btu/h
Heating 47F Minimum Capacity	5400	Btu/h
Heating 47F Maximum Power Input	2630	W
Heating 47F Minimum Power Input	330	W
COP 47F at Maximum Capacity	2.3	
COP 47F at Rated Condition	3.3	
Heating 47F Rated Power Input	1590	W

Performance: Heating at 17F (-8.3C)

Heating 17F Minimum Capacity	3410	Btu/h
Heating 17F Rated Power Input	1260	W
Heating 17F Minimum Power Input	450	W
COP 17F at Maximum capacity	2.22	
COP 17F at Rated Condition	2.64	
Heating 17F Rated Capacity	11400	Btu/h
Heating 17F Maximum Power Input	1980	W
Heating 17F Maximum Capacity	15000	Btu/h

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	12600	Btu/h
Heating 5F Rated Capacity (H4Full)	8550	Btu/h
Heating 5F Minimum Capacity (H4Full)	2870	Btu/h
Heating 5F Maximum Power Input (H4Full)	2050	W
Heating 5F Rated Power Input (H4Full)	900	W
Heating 5F Minimum Power Input (H4Full)	460	W
COP 5F at Maximum capacity (H4Full)	1.8	
COP 5F at Rated capacity (H4Full)	2.78	

Performance: Heating at -5F (-20.6C)

Heating -5F Maximum Capacity	10810	Btu/h
Heating -5F Minimum Capacity	2460	Btu/h
Heating -5F Maximum Power Input	2100	W
Heating -5F Minimum Power Input	470	W
COP -5F at Maximum Capacity	1.5	

ODU Operating Temp. Range

Cooling Thermal Re-start Temp	3	
Cooling Thermal Lock-out Temp	-1	
Heating Thermal Re-start Temp	-4	
Heating Thermal Lock-out Temp	-14	
Cooling Thermal Re-start Temp (C)	-16.3	C
Cooling Thermal Re-start Temp (F)	3 / -16.1	F° / C°
Cooling Thermal Lock-out Temp (C)	-18.5	C
Cooling Thermal Lock-out Temp (F)	-1 / -18.3	F° / C°
Heating Thermal Re-start Temp (F)	-4 / -20	F° / C°
Heating Thermal Lock-out Temp (C)	-25.6	C
Heating Thermal Lock-out Temp (F)	-14 / -25.6	F° / C°
Heating Thermal Re-start Temp (C)	-20.1	C

Rebates

Energy Star 6.1 Certified	Yes	
Energy Star 6.1 Cold Climate Certified	Yes	
NEEP Certification	Yes	

Efficiency

SEER2	20	
EER2	12.55	
HSPF2 (IV)	9.5	
HSPF2 (V)	9.3	

Electrical

Rated Voltage (Min)	208	V AC
Rated Voltage (Max)	230	V AC
Recommended Fuse/Breaker Size	20	
ODU Minimum Circuit Ampacity (MCA)	17	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	29	A
IDU Minimum Circuit Ampacity (MCA) if Powered Separate	1	A

Indoor Unit

IDU Airflow Rate at Cooling, Dry 1	314	CFM
IDU Airflow Rate at Cooling, Dry 2	421	CFM
IDU Airflow Rate at Cooling, Dry 3	524	CFM
IDU Airflow Rate at Cooling, Dry 4	621	CFM
IDU Airflow Rate at Cooling, Wet 1	283	CFM
IDU Airflow Rate at Cooling, Wet 2	379	CFM
IDU Airflow Rate at Cooling, Wet 3	471	CFM
IDU Airflow Rate at Cooling, Wet 4	559	CFM
IDU Airflow Rate at Heating 2	421	CFM
IDU Airflow Rate at Heating 3	524	CFM
IDU Airflow Rate at Heating 4	621	CFM
IDU SPL at Cooling 4	47	dB (A)
Drain Pipe Size (Outer size)	11/16	inch
External Finish (Munsell No. in case painting)	Munsell 0.7PB 9.2/0.4	
IDU Unit Dimension W	36 5/16	inch
IDU Unit Dimension D	10 7/8	inch
IDU Unit Dimension H	12	inch
IDU Unit Weight	28	lbs
IDU Airflow Rate at Heating 1	301	CFM

Outdoor Unit

ODU Fan Motor Full Load Amperage (FLA) (if data available)	0.74	A
ODU Fan Motor Output	0.1	HP
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	31 8/16	inch
ODU Unit Dimension D	11 4/16	inch
ODU Unit Dimension H	28 2/16	inch
ODU Unit Weight	90	lbs

Piping

Gas Pipe Size O.D. [Flared]	1/2	inch
Liquid Pipe Size O.D. [Flared]	1/4	inch
Maximum Piping Length	65	ft
Maximum Height Difference	40	ft

Refrigerant

Refrigerant Type	R454B	
Maximum Pre-charged Piping Length	25	ft
Pre-charged Refrigerant Amount (kg)	1.13	
Pre-charged Refrigerant Amount (lbs)	3	
Pre-charged Refrigerant Amount (oz)	48	

Accessories

Handheld Remote Controller English	MAC-FL115M-E	
Handheld Remote Controller French	MAC-FL215M-E	
Wall Mount controller	PAR-42MAACAB (REQUIRES SYSTEM INTERFACE)	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Simple CN105 Controller	PAC-SDW01	
Microparticle Catching Filter	MAC-EMF515T-E	
Electrostatic Anti-allergy Enzyme Filter	MAC-2320FT	
System Interface (Full Control)	MAC-334IF-E	
System Interface (Functional Control)	MAC-497IF-E	
NA T-STAT interface	RMF-CA200	
Wi-Fi Adapter	PAC-USWHS002	
NA T-STAT Interface	RMF-CA200	

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

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Unit: inch

