

SUBMITTAL DATA: MSZ-HM15NA-(U1)(U2) & MUZ-HM15NAH-U1

15,000 BTU/H WALL-MOUNTED HEAT PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	


ACCESSORIES:

Windscreens (ME-FR-15-17)

Controls

Wired Remote Controller (PAR-40MAA)
 Wireless Controller (MHK2)
 Simple MA Remote Controller (PAC-YT53CRAU-J)
 Thermostat Interface (PAC-US444CN-1)
 System Control Interface (MAC-334IF-E)

#3	Test condition	Indoor air condition (°F)		Outdoor air condition (°F)	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
ARI	"A-2" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
SEER (Cooling)	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	"F-1" Cooling steady state at minimum compressor speed	80	67	67	(53.5)
	"E-1" Cooling steady state at intermediate compressor speed #4	80	67	87	(69)
	"H1-2" Heating steady state at rated compressor speed	70	60	47	43
HSPF (Heating)	"H3-2" Heating at rated compressor speed	70	60	17	15
	"H0-1" Heating steady state at minimum compressor speed	70	60	62	56.5
	"H1-1" Heating steady state at minimum compressor speed	70	60	47	43
	"H2-1" Heating at intermediate compressor speed #4	70	60	35	33

#4: at intermediate compressor speed
 #1: (Rated compressor speed) - "Minimum compressor speed" / 3 + "Minimum compressor speed".

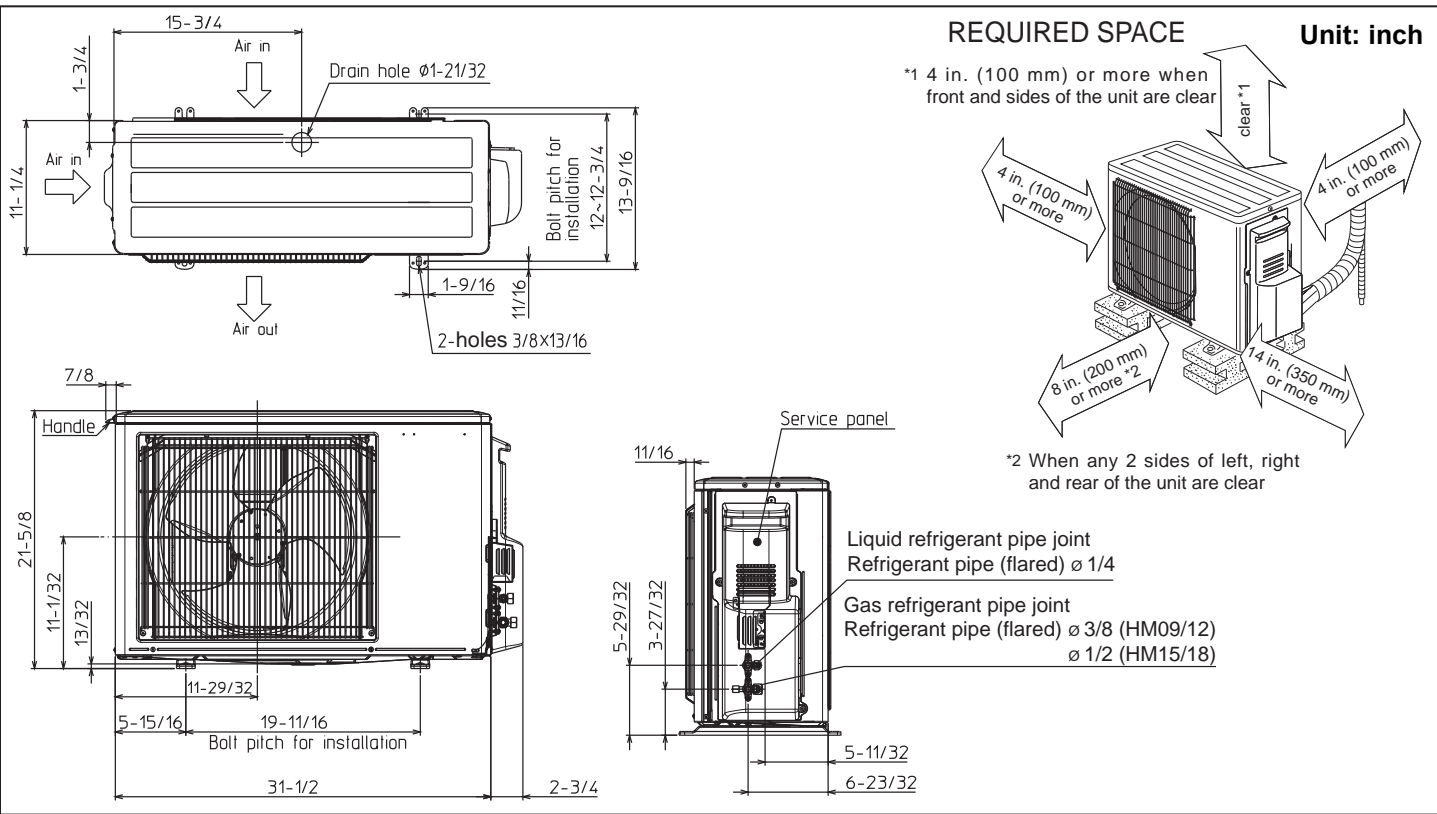
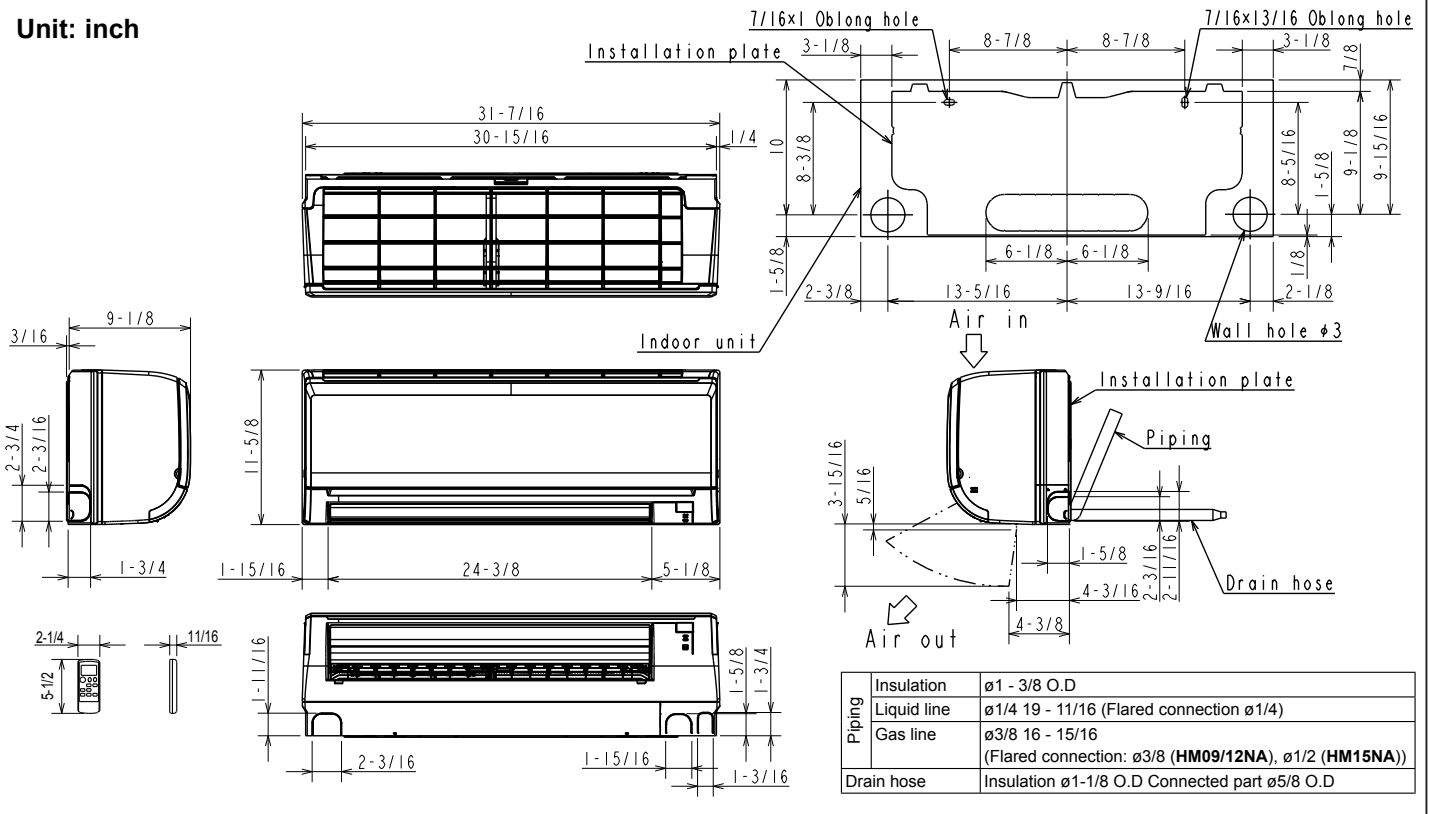
Cooling	Rated Capacity (*1)	Btu/h	14,000	
	Capacity Range	Btu/h	3,100 - 16,000	
	Total input (*1)	W	1,127	
	Energy Efficiency	EER / EER2 (*1)	12.0 / 12.0	
		SEER / SEER2 (*3)	18.0 / 20.0	
Heating at 47°F	Moisture Removal	Pints/h	2.7	
	Rated Capacity (*1)	Btu/h	18,000	
	Capacity Range	Btu/h	4,800 - 18,500	
	Total input (*1)	W	1,570	
Heating at 17°F	HSPF / HSPF2 (Region IV) (*3)	Btu/h/W	9.0 / 8.5	
	Rated Capacity (*2)	Btu/h	11,500	
	Rated Total input (*2)	W	1,290	
	Maximum Capacity (*2)	Btu/h	14,000	
	Maximum Total Input (*2)	W	1,820	
Power supply	Voltage, Phase, Cycle	208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2	AC 208/230V		
	Indoor - Outdoor S2-S3	DC12-24V		
	Indoor - Remote controller	DC12V		
Indoor unit	MCA (*)	A	1.0	
	Fan Motor	F.L.A	0.76	
	Air low (Lo-Mid-High-Super High)	DRY(CMM)	272-335-420-533	
		WET(CMM)	237-300-385-498	
	Sound Level CLG (Low-Med-Hi-Super High)	dB (A)	32-38-44-49	
	Sound Level HTG (Low-Med-Hi-Super High)	dB (A)	30-35-40-46	
	External Finish Color	Munsell 1.0Y 9.2/0.2		
	Dimensions	W: in	31-7/16	
		D: in	9-1/8	
		H: in	11-5/8	
	Weight Unit	lbs	22	
Field Drainpipe O.D.	in	O.D. 5/8		

Outdoor unit	MCA (*)	A	10	
	MOCP (*)	A	15	
	Fan Motor	F.L.A.	0.5	
		R.L.A.	7.4	
		L.R.A.	9.3	
	Air Flow Cooling (Low-Med-High)	CFM	639 - 1,102	
	Air Flow Heating (Low-Med-High)	CFM	1,045 - 1,045 - 1,186	
	Refrigerant Control	Linear Expansion Valve		
	Defrost Method	Reverse Cycle		
	Sound Level (Cooling) (*1)	dB (A)	49	
	Sound Level (Heating) (*1)	dB (A)	51	
	External Finish Color	Munsell No.3Y 7.8/1.1		
	Dimension	W: in	31-1/2	
		D: in	11-1/4	
H: in		21-5/8		
Weight	lbs	81		
Remote Controller	Type	Simple Wireless Remote		
Refrigerant	Type	R410A		
	Charge	lbs, oz	2.9	
Refrigerant Pipe	Oil	Type(Fl.oz.)	FV50S(11.8)	
	Liquid side O.D.	1/4		
	Gas side O.D.	1/2		
	Height Difference (Max)	ft 40		
Connection Method	Indoor/Outdoor	Flared/Flared		
Operation Guarantee	Cooling	°F (°C)	90°F --> 14°F (32°C --> -10°C)	
	Heating	°F (°C)	80°F --> -15°F (26°C --> -20°C)	
Efficiency	COP at 47°F ¹	Rated Capacity	3.33	
	COP at 17°F ²	Maximum Capacity	2.12	
	COP at 5°F	Maximum Capacity	1.94	

NOTE: Test conditions are based on AHRI 210/240.
 *1: Rating conditions (Cooling) — Indoor: 80°F DB, 67°F WB, Outdoor: 95°F DB, (75°F WB)
 (Heating) — Indoor: 70°F DB, 60°F WB, Outdoor: 47°F DB, 43°F WB
 *2: (Heating) — Indoor: 70°F DB, 60°F WB, Outdoor: 17°F DB, 15°F WB
 *3: Test condition

DIMENSIONS: MSZ-HM15NA-(U1)(U2) & MUZ-HM15NAH-U1

Unit: inch



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