

SUBMITTAL DATA: MLZ-KP18NA(2)-U1 & SUZ-KA18NAH2

18,000 BTU/H 1-WAY CEILING-CASSETTE HEAT PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐ Reference ☐ Approval ☐ Construction	
System Designation:	Schedule No.:	



ACCESSORIES:

- Grille (MLP-444WU - Ordered separate)
- Auxiliary Heat Connector Cable (MAC-1710RA-U)
- Windscreens (ME-FR-24)

Optional Controls

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

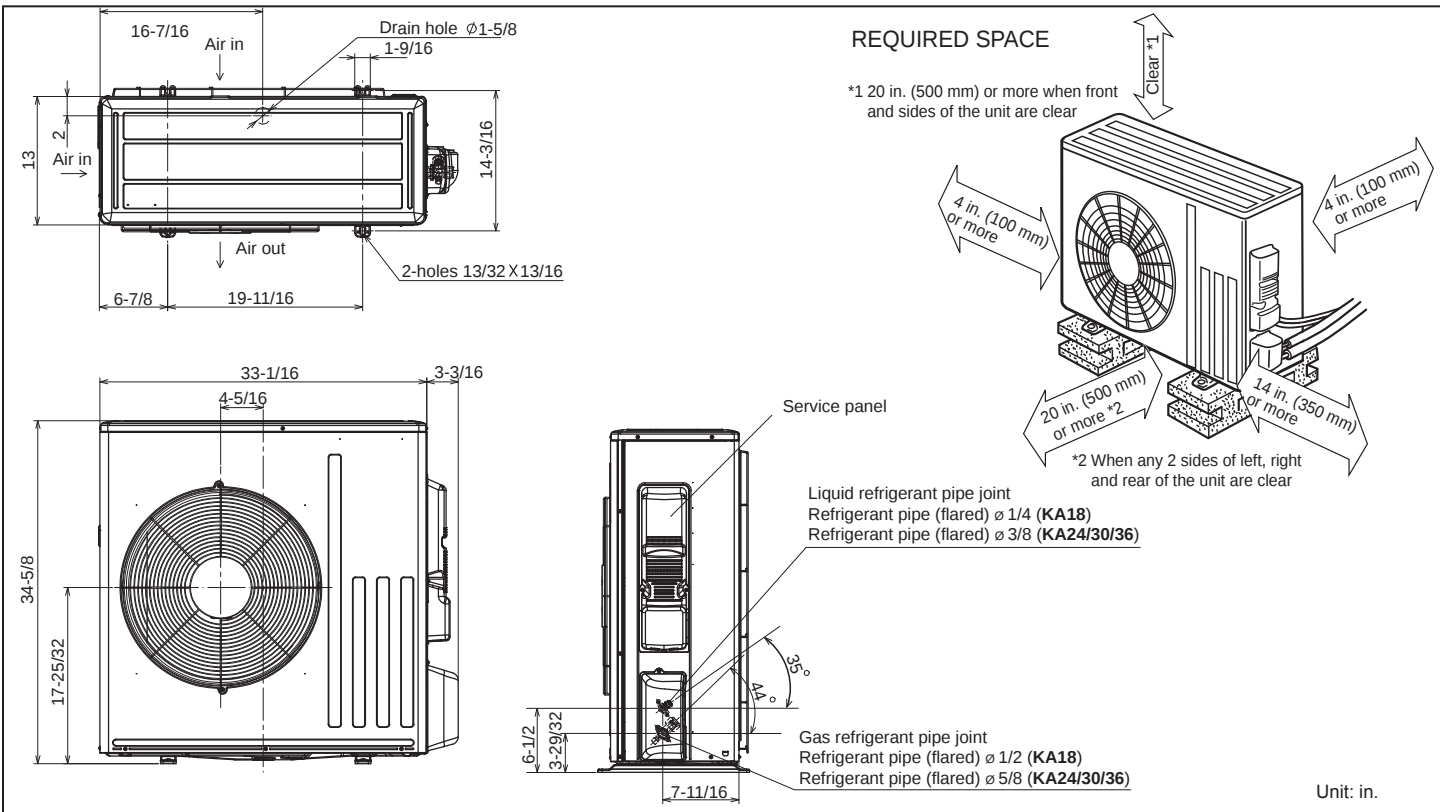
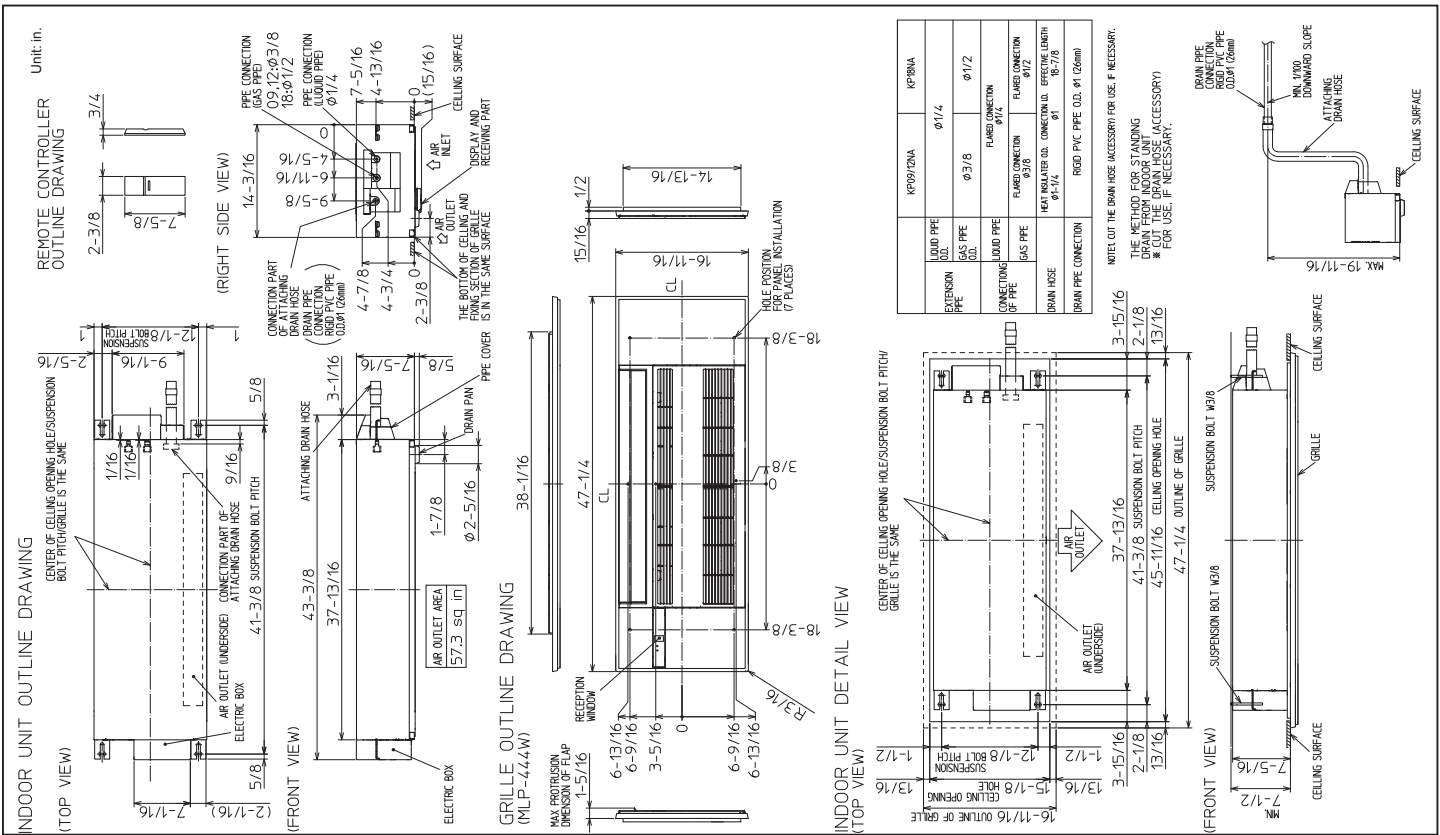
NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)
Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range	Indoor intake air temperature		Outdoor intake air temperature	
	Maximum	Minimum	Maximum	Minimum
Cooling	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. 46°C(115°F)	D.B. -10°C(14°F)
Heating	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)

Cooling	Rated Capacity	Btu/h	18000
	Capacity Range	Btu/h	6600-18000
	Total input	W	1440
	Energy Efficiency	EER	12.5
	Moisture Removal	Pints/h	5.3
	Sensible Heat Factor		0.67
Heating at 47°F	Rated Capacity	Btu/h	20000
	Capacity Range	Btu/h	8200-22800
	Total input	W	1770
	HSPF(Region IV)	Btu/h/W	12.4(12.0)
Heating at 17°F	Rated Capacity	Btu/h	13100
	Rated Total input	W	1340(1460)
	Maximum Capacity	Btu/h	13100
	Maximum Total Input	W	1340(1460)
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
	Fan Motor	F.L.A.	0.68
	Fan Motor Output	W	30
	Air flow (Slo-to-Mid-Hi)	Cooling DRY(CFM)	212-293-346-403
		Heating WET(CFM)	180-249-294-343
		Heating (CFM)	212-311-364-417
	External Static Pressure	in WG	0
	Sound Pressure Level (Lo-Mid-Hi)	Cooling dB (A)	29-36-41-47
		Heating dB (A)	26-37-42-48
	External Finish Color		Munsell 4.0GY 9.1/0.2
	Dimensions	W: in	43-3/8
		D: in	14-3/16
		H: in	7-5/16
Outdoor unit	Weight Unit	lbs	34
	Field Drainpipe O.D.	in	O.D. 1-1/4
	Refrigerant pipe Gas	in	1/2
	Refrigerant pipe Liquid	in	1/4
	MCA (*)	A	14
	MOCP (*)	A	24
	Fan Motor	F.L.A.	0.67
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary
		R.L.A.	10
		L.R.A.	12.5
	Air flow (Cooling/Heating)	CFM	(1,691/1,691)
	Refrigerant Control		Linear Expansion Valve
	Defrost Method		Reverse Cycle
	SPL (Cooling)	dB (A)	54
	SPL (Heating)	dB (A)	55
	External Finish Color		Munsell No.3Y 7.8/1.1
	Dimension	W: in	33-1/16
		D: in	13
		H: in	34-5/8
	Weight	lbs	127
Remote Controller	Type		Wireless Remote Controller
Refrigerant	Type		R410A
	Charge	lbs, oz	3.9
	Oil	Type(Fl.oz.)	FV50S(11.8)
Refrigerant Pipe	Gas side O.D.	in	1/2
	Liquid side O.D.	in	1/4
	Height Difference (Max)	ft	50
	Length (Max.)	ft	100
Connection Method	Indoor/Outdoor		Flared/Flared
Operation Guarantee	Cooling	°F	14 - 115
	Heating	°F	-4 - 75

DIMENSIONS: MLZ-KP18NA(2)-U1 & SUZ-KA18NAH2



Unit: in.