

SUBMITTAL DATA: SVZ-KP12NA & SUZ-KA12NAH2

12,000 BTU/H MULTI-POSITION AIR HANDLER 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:

- Windscreen (ME-FR-15-17)
- Electric Heater Kit (See_SB_EH_MVZ_PVA_PVfy_SVZ)

Optional Controls

- Wireless Controller (MHK1)
- Wired Remote Controller (PAR-40MAA)
- Thermostat Interface (PAC-US444CN-1)
- Simple MA Remote (PAC-YT53CRAU-J)
- Wireless Remote Controller (PAR-FL32MA-E)
- System Control Interface (MAC-334IF-E)

Capacity (Btu/h)	5°F	-4°F	2.74
	2,200	1,700	
COP	5°F	-4°F	2.74
	12		

NOTES : *1. Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
 (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
 *2. Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°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
Cooling	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)	D.B. 10°C(50°F)
	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. 10°C(50°F)	D.B. 10°C(50°F)
Heating	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)	D.B. 20°C(68°F)
	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. 20°C(68°F)	D.B. 21°C(69°F)

Cooling	Rated Capacity	Btu/h	12000	
	Capacity Range	Btu/h	4300-12000	
	Total input	W	940	
	EER		12.7	
	Energy Efficiency	SEER	18	
	Moisture Removal	Pints/h	1.2	
Sensible Heat Factor		0.89		
Heating at 47°F	Rated Capacity	Btu/h	15000	
	Capacity Range	Btu/h	4700-16700	
	Total input	W	1210	
	HSPF(Region IV)	Btu/h/W	12.1(11.5)	
Heating at 17°F	Rated Capacity	Btu/h	9900	
	Rated Total input	W	1120(1250)	
	Maximum Capacity	Btu/h	9900	
	Maximum Total Input	W	1120(1250)	
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	3	
	Fan Motor	F.L.A	2.4	
	Fan Motor Output	W	121	
		DRY(CFM)	278-381-448	
	Air flow (Lo-Mid-Hi)	WET(CFM)	-	
	External Static Pressure	in WG	0.3 - 0.5 - 0.8	
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	29-36-39	
	External Finish Color		BLACK	
	Dimensions	W: in	17	
		D: in	21-5/8	
		H: in	39-13/16	
	Weight Unit	lbs	93	
Field Drainpipe O.D.	in	O.D. 3/4		
Refrigerant pipe Gas	in	3/8		
Refrigerant pipe Liquid	in	1/4		

Outdoor unit	MCA (*)	A	9	
	MOCP (*)	A	16	
	Fan Motor	F.L.A.	0.5	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary	
			R.L.A.	6.6
			L.R.A.	8.2
	Air flow (Cooling/Heating)	CFM	(1,229/1,172)	
	Refrigerant Control		Linear Expansion Valve	
	Defrost Method		Reverse Cycle	
	SPL (Cooling)	dB (A)	49	
	SPL (Heating)	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	Wired Remote Controller		
Refrigerant	Type	R410A		
	Charge	lbs, oz	2.9	
	Oil	Type(Fl.oz)	FV50S(11.8)	
Refrigerant Pipe	Gas side O.D.	in	3/8	
	Liquid side O.D.	in	1/4	
	Height Difference (Max)	ft	40	
	Length (Max.)	ft	65	
Connection Method	Indoor/Outdoor	Flared/Flared		
Operation Guarantee	Cooling	°F	14 - 115	
	Heating	°F	-4 - 75	

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

*All electrical work shall comply with National (NEC) and local codes and regulations. Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

