

# A.7.1 SPECIFICATIONS

## A.7.1.1 SUZ series

Model name	Indoor unit		SVZ-KP12NA	SVZ-KP18NA	SVZ-KP24NA	
	Outdoor unit		SUZ-KA12NA2	SUZ-KA18NA2	SUZ-KA24NA2	
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	
	Capacity Range	Btu/h	4,300-12,000	6,200-18,000	12,400-24,000	
	Total input	W	940	1,360	1,920	
	Energy Efficiency	EER		12.7	13.2	12.5
		SEER		18.0	18.0	18.0
	Moisture Removal	Pints/h		1.2	2.4	4.1
	Sensible Heat Factor			0.89	0.85	0.81
Heating at 47°F *1	Rated Capacity	Btu/h	15,000	21,600	25,000	
	Capacity Range	Btu/h	4,700-16,700	8,300-26,000	14,600-28,000	
	Total input	W	1,210	1,600	1,910	
	HSPF(Region IV)	Btu/h/W	12.1(11.5)	12.6(12.2)	10.4(10.1)	
Heating at 17°F *2	Rated Capacity	Btu/h	9,900	14,000	14,600	
	Rated Total input	W	1,120(1,250)	1,460(1,580)	1,590(1,710)	
	Maximum Capacity	Btu/h	9,900	14,000	14,600	
	Maximum Total Input	W	1,120(1,250)	1,460(1,580)	1,590(1,710)	
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	3.0			
	Fan Motor	F.L.A.	2.4			
	Fan Motor Output	W	121			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	278-381-448	471-573-675	515-625-735	
		WET(CFM)	-			
	External Static Pressure	in WG	0.3 - 0.5 - 0.8			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	29-36-39	33-36-41		
	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	1/2	5/8		
Refrigerant pipe Liquid	in	1/4	1/4	3/8		
Outdoor unit	MCA	A	9	14	17	
	MOCP	A	16	24	31	
	Fan Motor	F.L.A.	0.50	0.67	1.00	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	6.6	10	13.0	
		L.R.A.	8.2	12.5	16.0	
	Air flow (Cooling/Heating)	CFM	(1,229/1,172)	(1,691/1,691)	(2,020/1,930)	
	Refrigerant Control	Linear Expansion Valve				
	Defrost Method	Reverse Cycle				
	SPL (Cooling)	dB (A)	49	54	55	
	SPL (Heating)	dB (A)	51	55	55	
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	31-1/2		33-1/16	
D: in		11-1/4		13		
H: in		21-5/8		34-5/8		
Weight	lbs	81	127	129		
Remote Controller	Type	Wired Remote Controller				
Refrigerant	Type	R410A				
	Charge	lbs, oz	2,9	3,9	4,14	
	Oil	Type(Fl.oz)	FV50S(11.8)			
Refrigerant Pipe	Gas side O.D.	in	3/8	1/2	5/8	
	Liquid side O.D.	in	1/4	1/4	3/8	
	Height Difference (Max)	ft	40	50	100	
	Length (Max.)	ft	65	100	100	
Connection Method	Indoor/Outdoor	Flared/Flared				
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-4(-20) to 75(24)			

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(SUZ-KA18NA(H)2.TH)		Outdoor intake air temperature(SUZ-KA24/30/36NA(H)2.TH)	
	Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)		D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)		D.B. -10°C(14°F)	
Heating	Maximum	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. 24°C(75°F), W.B. 18°C(65°F)	
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)		D.B. -10°C(14°F), W.B. -11°C(12°F)	

MULTI-POSITION AIR HANDLER SPECIFICATIONS