

SVZ-KP18NA & SUZ-KA18NAHZ

18,000 Btu/h Multi-Position Air Handler Heat Pump

Job Name:	Location:	Date:
Purchaser:	Submitted by:	
Submitted to:	Reference	Approval
System Designation:	Schedule Number #:	
Engineer:		



Energy Efficiency	SEER	18.4
	EER	12.5
	HSPF	10.4

Accessories:

- Windscreens (ME-FR-24)
- 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)

Indoor unit	MCA (*)	A	3
	Fan Motor	F.L.A	2.4
	Fan Motor Output	W	121
	Air flow (Lo-Mid-Hi)	DRY(CFM)	471-573-675
		WET(CFM)	
	External Static Pressure	in WG	0.3 - 0.5 - 0.8
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	31-35-39
	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	1/2
	Refrigerant pipe Liquid	in	1/4
	Moisture Removal	Pints/h	1.1
Sensible Heat Factor		0.93	

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Outdoor unit	MCA (*)	A	17	
	MOCP (*) (Breaker)	A	31 (20)	
	Fan Motor	F.L.A.	1	
	Compressor	Model(Type)	DC INVERTER-Driven Twin Rotary	
		R.L.A.	13	
		L.R.A.	16	
	Air flow (Cooling/Heating)	CFM	(2,020/1,930)	
	Refrigerant Control	Linear Expansion Valve		
	Defrost Method	Reverse Cycle		
	SPL (Cooling)	dB (A)	55	
	SPL (Heating)	dB (A)	55	
	External Finish Color			
	Dimension	W: in	33-1/16	
D: in		13		
H: in		34-5/8		
Weight	lbs	131		
Remote Controller	Type	Wired Remote Controller		
Refrigerant	Type	R410A		
	Charge	lbs, oz	4,14	
	Oil	Type(Fl.oz.)	FV50S(23.7)	
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	-13 - 75	

Power supply	Voltage, Phase, Cycle	1-phase, 60Hz, 208/230V
Voltage	Indoor - Outdoor S1-S2	AC 208/230V
	Indoor - Outdoor S2-S3	DC12-24V
	Indoor - Remote controller	DC12V

		MAX (Btu)	MAX RATED INPUT (W)	RATED (Btu)	RATED TOTAL INPUT (W)	COP
Heating	47°F	29,680	3,218	22,896	1,927	2.70
	17°F	22,540	2,543	14,148	1,522	2.60
	5°F	22,540	1,979	9,288	1,185	1.76
	-4°F	16,116	1,511	5,557	905	1.80
	-13°F	9,692	1,004	1,377	601	0.67
Cooling	80°F	21,212	1,341	21,212	1,341	4.63

* COP at MAX capacity

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)

Operation range		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 35°C (95°F), W.B. 21.7°C (71°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)		
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)		
	Minimum	D.B. 21.1°C (70°F), W.B. 15.6°C (60°F)	D.B. -25°C (-13°F), W.B. -26°C (-14°F)		

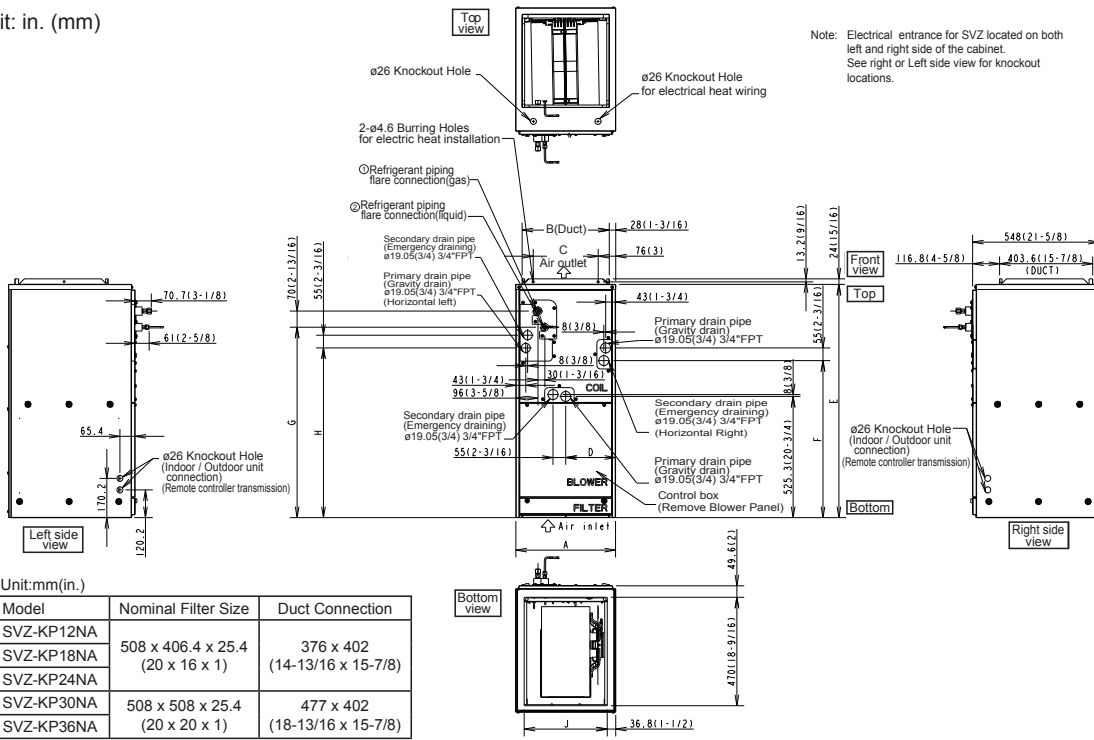
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Unit: in. (mm)



Note: Electrical entrance for SVZ located on both left and right side of the cabinet. See right or Left side view for knockout locations.

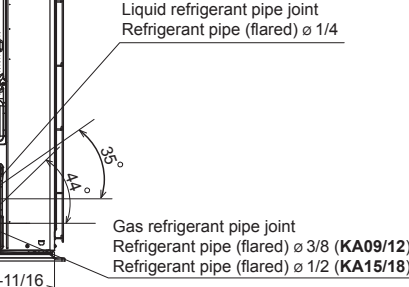
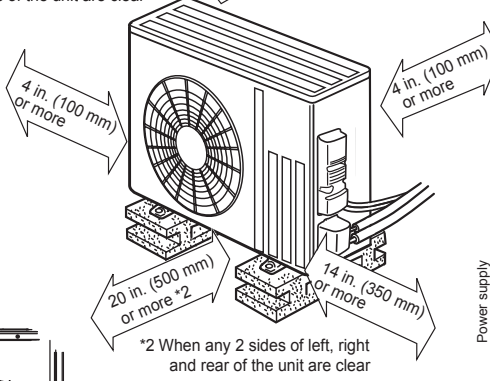
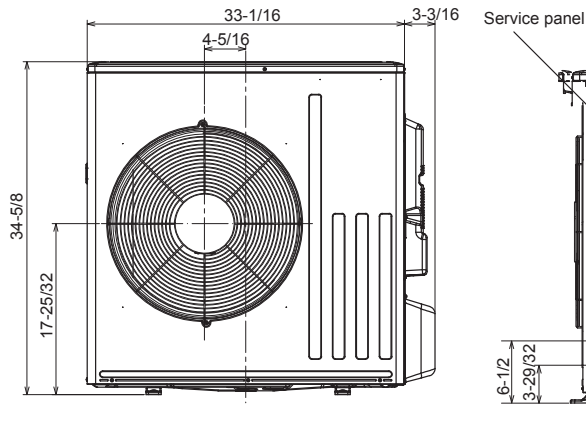
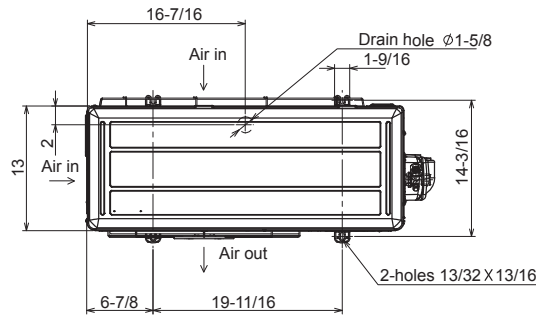
Model	A	B	C	D	E	F	G	H	J	Gas Pipe ø 9.52 (3/8) ø 12.7 (1/2)	Liquid Pipe ø 6.35 (1/4) ø 9.52 (3/8)
SVZ-KP12NA	452	276	291	254	1,015	609	625	735.5	505	ø 9.52 (3/8)	ø 6.35 (1/4)
SVZ-KP18NA	477	291	316	271	1,015	609	625	735.5	505	ø 12.7 (1/2)	ø 9.52 (3/8)
SVZ-KP24NA	534	477	382.6	266.5	1,113.8	737	953.5	792	461	ø 15.88 (5/8)	ø 9.52 (3/8)
SVZ-KP30NA	534	477	382.6	266.5	1,113.8	737	953.5	792	461	ø 15.88 (5/8)	ø 9.52 (3/8)
SVZ-KP36NA	534	477	382.6	266.5	1,113.8	737	953.5	792	461	ø 15.88 (5/8)	ø 9.52 (3/8)

Unit:mm(in.)

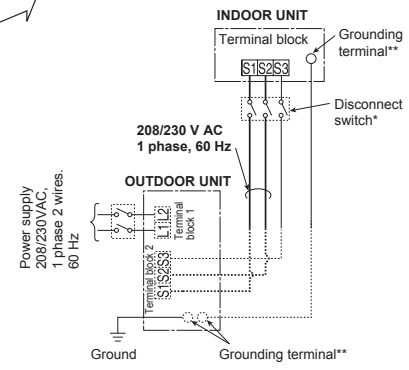
Model	Nominal Filter Size	Duct Connection
SVZ-KP12NA	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14-13/16 x 15-7/8)
SVZ-KP18NA	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14-13/16 x 15-7/8)
SVZ-KP24NA	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
SVZ-KP30NA	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
SVZ-KP36NA	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)

REQUIRED SPACE

*1 20 in. (500 mm) or more when front and sides of the unit are clear



Unit: inch



Remark:
* A disconnect switch is required. Check the local code.
** Use a ring tongue terminal in order to connect a ground wire to terminal.



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