

SUBMITTAL DATA: SVZ-KP12NA & SUZ-KA12NAR1-TH-H

12,000 BTU/H AIR HANDLER HEAT-PUMP SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: ☐ Reference ☐ Approval ☐ Construction
Submitted By:	Location:
System Designation:	Schedule No.:



Indoor Unit: SVZ-KP12NA



Outdoor Unit: SUZ-KA12NAR1-TH-H

ACCESSORIES:

Indoor Unit

Electric Heat Kit (EH03-SVZ-S)

Electric Heat Kit (EH05-SVZ-S)

Electric Heat Kitfor details see SB_EH_MVZ_PVA_PVfy_SVZ

Controls

Wireless Controller (MHK1)

Advanced Wired Controller (PAR-33MAA)

Simple Wired Controller (PAC-YT53CRAU)

Thermostat Interface (PAC-US444CN)

Outdoor Unit

Front Wind Guard (ME-FR-15-17)

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

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	12,000 / 960
Heating at 47° F	Btu/h / W	13,500 / 1,210
Heating at 17° F	Btu/h / W	8,800 / 1,060

*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)

Capacity Range		
Cooling	Btu/h	3,700 - 12,000
Heating at 47° F	Btu/h	5,000 - 13,500

AHRI Efficiency Rating	
EER	12.5
SEER	17.0
HSPF IV / V	10.0 / 8.2
COP at 47° F	3.2
COP at 17° F	2.4

Operating 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. -20°C(-4°F), W.B. -21°C(-5°F)	

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA) *		Breaker Size	MOCP (Outdoor)
Indoor 3.00 AMP	Outdoor 12 AMP	15 AMP	15 AMP

***All electrical work shall comply with National (CEC) and local codes and regulations.**

Indoor Unit		
Blower Motor (ECM)	F.L.A.	2.4
Blower Motor Output	W	121
SHF / Moisture Removal		0.83 / 1.8 pt./h
External Static Pressure	In. WG	0.3 - 0.5 - 0.8
Drainpipe Size O.D	In. (mm)	3/4 (19)

Outdoor Unit		
Compressor		DC INVERTER-driven
Fan Motor (ECM)	F.L.A.	0.5
Fan Motor Power	W	55

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	278-381-448
	WET		278-381-448
Outdoor	CLG / HTG		1,229 / 1,172

Sound Pressure Level		
Indoor (Low-Mid-Hi)		29-36-39
Outdoor	Cooling	49
	Heating	51

External Dimensions		
Indoor (H x W x D)	In.(mm)	39-13/16 x 17 x 21-5/8 (1,011 x 432 x 550)
Outdoor (H x W x D)		21-5/8 x 31-1/2 x 11-1/4 (550 x 800 x 285)

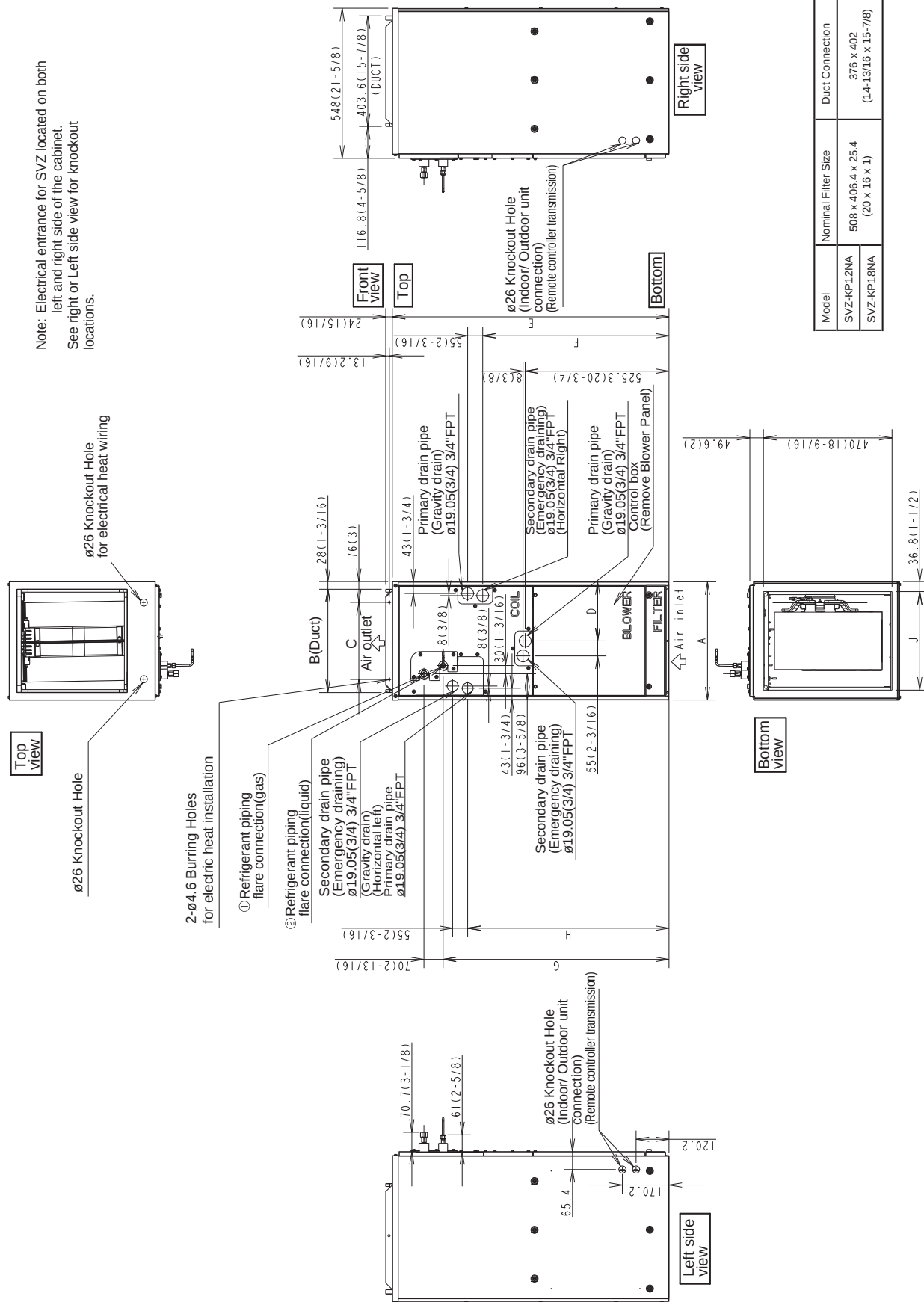
Net Weight		
Indoor	Lbs.(kg)	93 (42)
Outdoor		77 (35)

External Finish	
Indoor	Black
Outdoor	Ivory Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 2lbs., 9oz.
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Maximum Total Refrigerant Pipe Length	Fl. (m)	65 (20)
Maximum Vertical Separation	Fl. (m)	40 (12)

DIMENSIONS: SVZ-KP12NA



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	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		

Model	A	B	C	D	E	F	G	H	J	Gas Pipe	Liquid pipe
SVZ-KP12NA	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1010.8 (39-13/16)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	ϕ 9.52 (3/8)	ϕ 6.35 (1/4)
SVZ-KP18NA										ϕ 12.7 (1/2)	

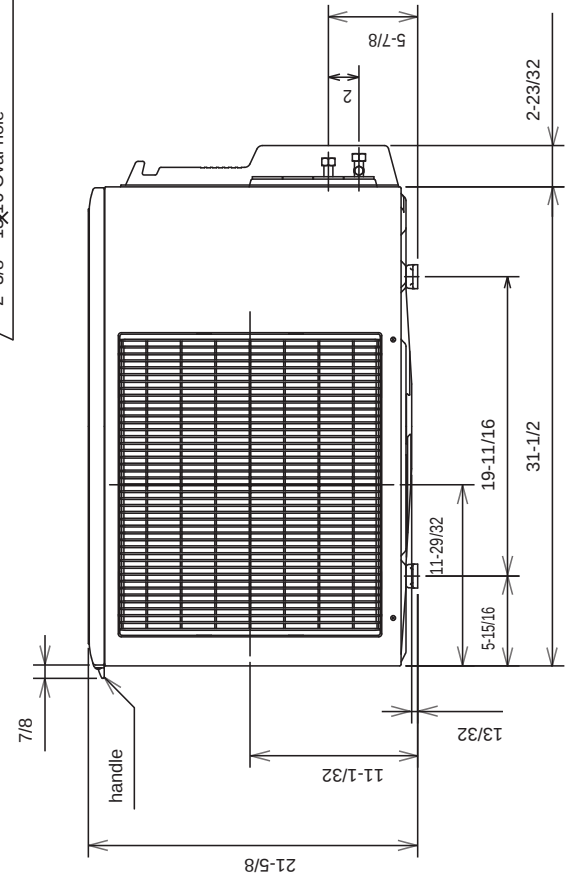
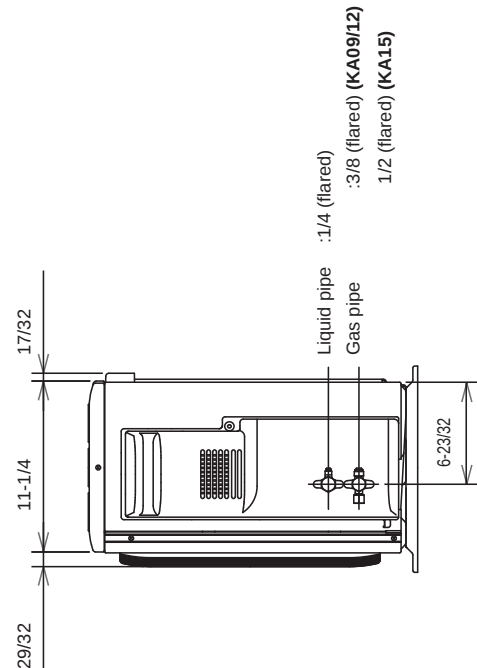
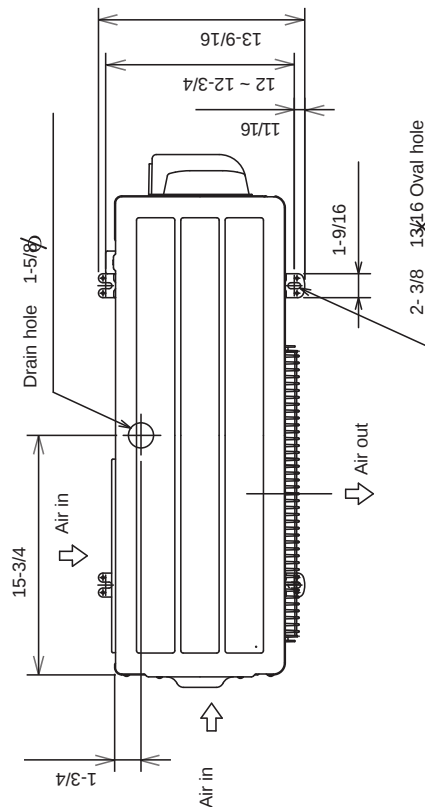
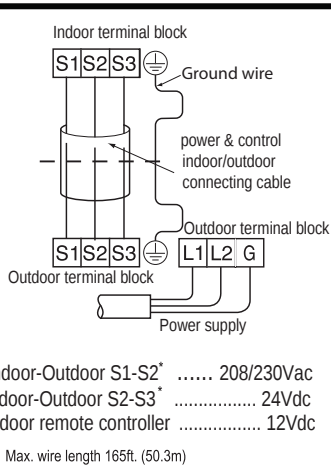
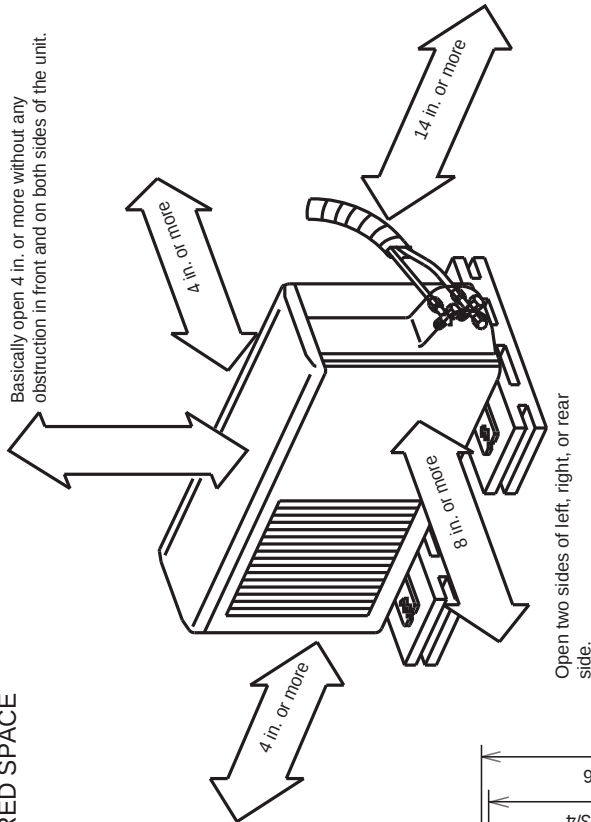
Unit: mm (in.)

Unit: mm (in.)

DIMENSIONS: SUZ-KA12NAR1-TH-H

REQUIRED SPACE

Basically open 4 in. or more without any obstruction in front and on both sides of the unit.



Unit: mm (in.)

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