

SVZ-AP12NL & SUZ-AA12NL
12,000 BTU/H DUCTED AIR HANDLER INDOOR UNIT
12,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... SVZ-AP12NL
OUTDOOR Unit ... SUZ-AA12NL

INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- Auto Changeover: The unit will automatically switch between heating and cooling modes to maintain your desired temperature.
- Multi-Position Installation: Versatile installation options, including horizontal (left or right) and vertical (up or down) orientations, with included drain pans to facilitate easy setup for any configuration.
- Blow-through design: Unique blow-through design allows simple coil cleaning when the blower is removed.
- Three Speed Fan: Adjust the fan between three speed settings to optimal comfort.

OUTDOOR UNIT FEATURES

- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Blue Fin Coating: Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- Seacoast Protection: An anti-corrosion treatment applied to the aluminum fins of the heat exchanger of the outdoor unit to protect against corrosion caused by salt, sulfur, and other airborne contaminants, especially in coastal and industrial areas.

SPECIFICATIONS: SVZ-AP12NL & SUZ-AA12NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	11400
	Rated Capacity	Btu/h	11400
	Minimum Capacity	Btu/h	2800
	Maximum Power Input	W	940
	Rated Power Input	W	940
	Moisture Removal	Pints/h	1.50
	Sensible Heat Factor		0.85
Heating at 47F ²	Power Factor [208V / 230V]	%	98 / 98
	Maximum Capacity	Btu/h	15100
	Rated Capacity	Btu/h	15000
	Minimum Capacity	Btu/h	5100
	Maximum Power Input	W	1280
	Rated Power Input	W	1280
	Power Factor [208V / 230V]	%	99 / 99
Heating at 17F ³	Maximum Capacity	Btu/h	9700
	Rated Capacity	Btu/h	9700
	Maximum Power Input	W	1080
	Rated Power Input	W	1080
Heating at 5F ⁵	Maximum Capacity	Btu/h	7800
	Maximum Power Input	W	1143
Heating at -4F ⁶	Maximum Capacity	Btu/h	6500
Efficiency	SEER2		18.40
	EER2 ¹		12.10
	HSPF2 [IV]		9.70
	COP at 47°F ²		3.40
	COP at 17°F at Maximum Capacity ³		2.60
	COP at 5°F at Maximum Capacity ⁵		2
	COP at -4°F at Maximum Capacity ⁶		2
Electrical	ENERGY STAR® Certified		Yes
	Voltage, Phase, Frequency	V AC / V AC , Ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	198 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	15
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	3
	Fan Motor Output	W	121
	Fan Motor Type		Direct-driven DC Brushless Motor
	Airflow Rate at Cooling, Dry	CFM	278 , 381 , 448
	Airflow Rate at Heating, Dry	CFM	278 , 381 , 448
	Sound Pressure Level [Cooling]	dB (A)	36 , 41 , 45
	Sound Pressure Level [Heating]	dB (A)	36 , 41 , 45
	External Static Pressure	in.WG	0.30 , 0.50 , 0.80
	Drain Pipe Size O.D.	inch [mm]	3/4 [19.05]
	External Finish Color		Hot-dip coated steel (ZAM)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	17 x 21-5/8 x 39-13/16 [432 x 548 x 1011]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	18-1/8 x 28-11/16 x 44 [460 x 728 x 1117]
	Unit Weight	lbs [kg]	97 [44]
	Package Weight	lbs [kg]	116 [53]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	90 , 73 / 66 , 59
	Heating Intake Air Temp [Maximum / Minimum]	°FDB	83 / 50
Outdoor Unit	MCA	A	14
	MOCP	A	23
	Fan Motor Output	W	55

Notes

¹Cooling at 95°F (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

⁵Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures): • System cuts out in heating mode and automatically restarts at these temperatures.

⁶Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 WB

*Use 1/4 liquid line for SUZ-AA24/30/36NL, adapter is included with the outdoor unit

SPECIFICATIONS: SVZ-AP12NL & SUZ-AA12NL

Outdoor Unit	Airflow Rate Cooling	CFM	1229
	Airflow Rate Heating	CFM	1172
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	49
	Sound Pressure Level, Heating ²	dB (A)	51
	Compressor Type		Twin Rotary
	Compressor Model		SRB092FQFMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 11.80
	External Finish Color		Munsell No.3Y 7.8/1.1
	Base Pan Heater		Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	37-1/16 x 15 x 24-13/16 [940 x 380 x 630]
	Unit Weight	lbs [kg]	81 [37]
	Package Weight	lbs [kg]	88.18 [40]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB	-1 / 3
	Heating Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	70 , 65 / -4 , -5
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-14 / -4
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs	2
	Maximum Pre-Charged Piping Length	ft [m]	65 [20]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	65 [20]
	Maximum Height Difference	ft [m]	40 [12]
	Maximum Number of Bends		10

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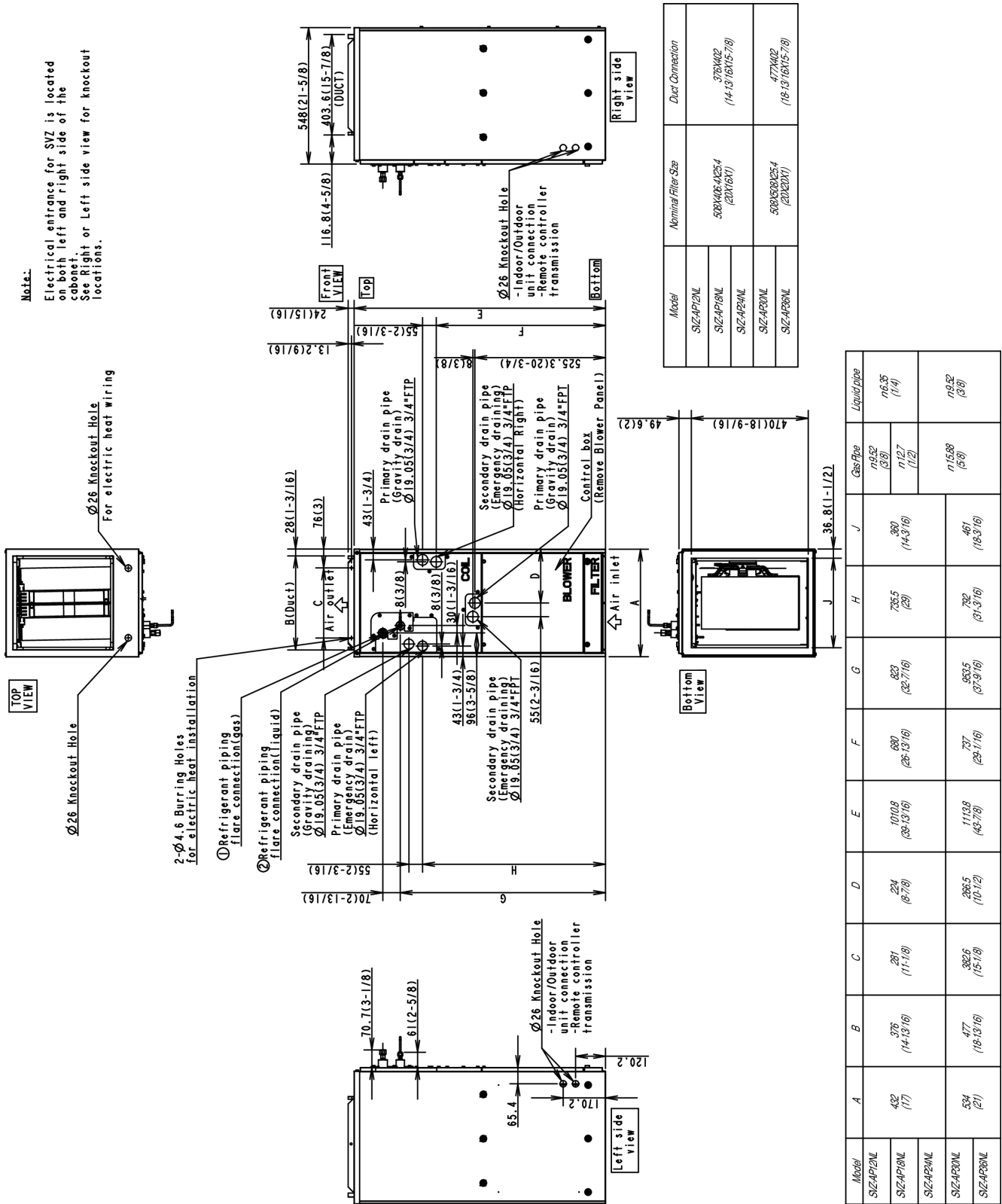
INDOOR UNIT ACCESSORIES: SVZ-AP12NL

Condensate	Sauermann Condensate Pump	☐ SI30-230
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	☐ X87-835
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐ X86-003
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	☐ X87-711
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	☐ COMBI
	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	☐ X88-721
Control Interface	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	kumo station for the Comfort app	☐ PAC-WHS01HC-E
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	IT Extender for kumo station	☐ PAC-WHS01IE-E
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wired Lite Controller White	☐ AZZBSLITECB
	Operation and Error Status Output Adapter	☐ PAC-SF40RM-E
	Procon BACnet and Modbus Interface	☐ PAC-UKPRC001-CN-1
	Wireless Interface Adapter for the Comfort app	☐ PAC-USWHS002-WF-2
Control Wire	202PR shielded 1PR plenum wire for Airzone 500 ft reel	☐ CW2042S2-500
	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	☐ CW2042S2-100
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	☐ TAZ-MS303W
Downflow Kit	Downflow Kit	☐ DFK-S
Electric Heat Lockout	Electric Heat Lockout	☐ ETC-211020-MIT
Electric Kit Heats	5kW Electric Heater	☐ EH05-SVZ-S
	3kW Electric Heater	☐ EH03-SVZ-S
Lineset	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-30
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-65
	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-15
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-50
Remote Sensor	Wall Mount Remote Temperature Sensor	☐ PAC-SE41TS-E
	Wireless temperature and humidity sensor for the Comfort app	☐ PAC-USWHS003-TH-1
	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	☐ PAC-USSEN002-FM-1
Terminal Block	Separate Terminal Power Block	☐ SPTB1
Terminal Signal Adapter	ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models	☐ PAC-740
	5-Pin Wiring Harness	☐ PAC-725AD
	3-Pin Wiring Harness	☐ PAC-715AD
	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	☐ CN24RELAY-KIT-CM3
Wired Remote Controller	Touch MA Wired Remote Controller	☐ PAR-CT01MAU-SB
	Deluxe Wired MA Remote Controller	☐ PAR-42MAAUB
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
Wireless Remote Controller	RedLINK Wireless Remote Controller	☐ MHK2
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Wireless Remote Controller	☐ PAR-SL101A-E
	Wireless MA Remote Controller	☐ PAR-FL32MA-E
	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
Notes ¹ Unable to use with Wireless Handheld Remote Controller ¹ Requires MAC-3341F-E Interface to connect MA controller		

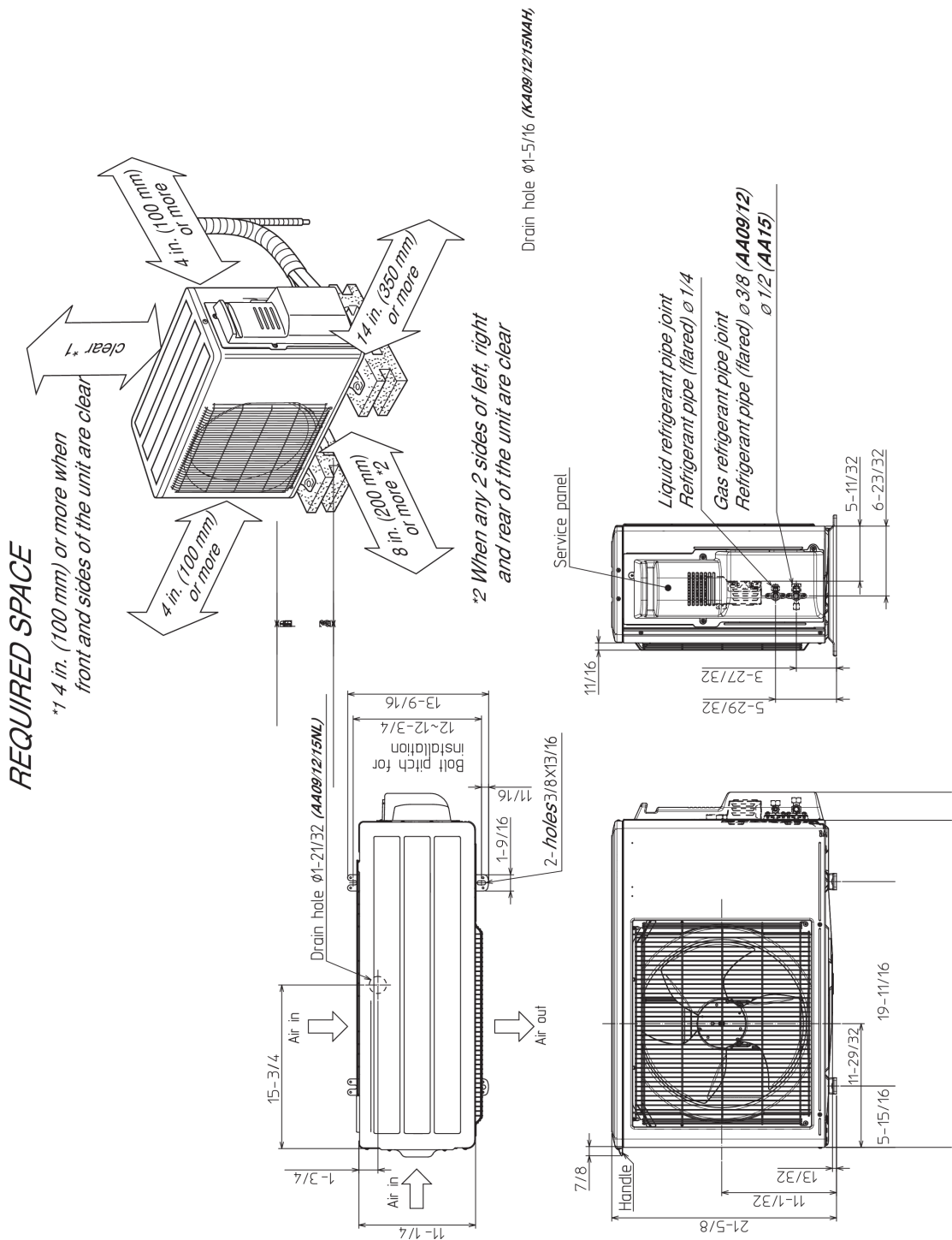
OUTDOOR UNIT ACCESSORIES: SUZ-AA12NL

Air Outlet Guide	Air Outlet Guide	☐	MAC-881SG-E
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SG63DP-E
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-B4
Mini-Split Wire	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Muffler	Muffler	☐	MAC-001MF-E
Optional Defrost Heater	Base Heater	☐	MAC-650BH-U
Port Adaptor	Adaptor 1/2 x 3/8	☐	PAC-SK88RJ-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-1
Stand	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	Condenser Wall Bracket	☐	QSWB2000M-1
	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	24 Single Fan Stand	☐	QSMS2401M
Notes			

INDOOR UNIT DIMENSIONS: SVZ-AP12NL



OUTDOOR UNIT DIMENSIONS: SUZ-AA12NL



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