

SLZ-AF18NL & SUZ-AA18NLHZ
17,700 BTU/H CEILING CASSETTE INDOOR UNIT
16,400 BTU/H HYPER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... SLZ-AF18NL
OUTDOOR Unit ... SUZ-AA18NLHZ

INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- Swing Mode: An indoor unit with this capability can move air throughout the room like an oscillating fan.
- Multi-flow Vane Control: Multi-flow Vane Control intelligently directs air throughout a space for even temperature distribution.
- Light Commercial: Light commercial applications include small offices, restaurants, and retail.
- Dual Set Point: The controller can be used to program two different set points. The unit will automatically adjust between the set points for optimum comfort.
- Three Speed Fan: Adjust the fan between three speed settings to optimal comfort.
- Horizontal Vane Control: Horizontal Vane Control allows the indoor unit vanes to be moved left and right to provide even temperatures throughout a space.
- 3D i-see Sensor® (Optional): The advanced sensor scans each room to produce a complete thermal profile that includes heat signatures based upon size, temperature and movement, then adjusts temperature and airflow based on user preference, and saves energy according to room occupancy.

OUTDOOR UNIT FEATURES

- H2i® Hyper-Heating: 100% heating capacity down to 5° F .
- 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.
- Base Pan Heater: This advanced base pan heater helps to prevent interrupted operation due to water freezing after a defrost cycle, ensuring your warmth and comfort during colder weather.
- 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: SLZ-AF18NL & SUZ-AA18NLHZ

Cooling at 95F ¹	Maximum Capacity	Btu/h	18000
	Rated Capacity	Btu/h	18000
	Minimum Capacity	Btu/h	5300
	Maximum Power Input	W	1500
	Rated Power Input	W	1500
	Moisture Removal	Pints/h	4.80
	Sensible Heat Factor		0.70
	Power Factor [208V / 230V]	%	99 / 99
Heating at 47F ²	Maximum Capacity	Btu/h	21800
	Rated Capacity	Btu/h	20000
	Minimum Capacity	Btu/h	7900
	Maximum Power Input	W	2070
	Rated Power Input	W	1890
	Power Factor [208V / 230V]	%	99 / 99
Heating at 17F ³	Maximum Capacity	Btu/h	20000
	Rated Capacity	Btu/h	13200
	Maximum Power Input	W	3100
	Rated Power Input	W	1890
Heating at 5F ⁵	Maximum Capacity	Btu/h	20000
	Maximum Power Input	W	3450
Heating at -13F ⁹	Maximum Capacity	Btu/h	12100
Efficiency	SEER2		17.50
	EER2 ¹		12
	HSPF2 [IV]		9.30
	COP at 47°F ²		3.10
	COP at 17°F at Maximum Capacity ³		1.80
	COP at 5°F at Maximum Capacity ⁵		1.70
	COP at -13°F at Maximum Capacity ⁹		1.31
	ENERGY STAR® Certified		Yes
Electrical	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	30
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	Fan Motor Output	W	50
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	300 , 420 , 475
	Airflow Rate at Heating, Dry	CFM	300 , 420 , 475
	Sound Pressure Level [Heating]	dB (A)	32 , 40 , 43
	Condensate Lift Mechanism, Max Height	inch [mm]	33 [850]
	Dual Barrier Coating on Heat Exchanger		No
	Dual Barrier Coating on Fan		No
	External Finish Color		1.0Y 9.2/0.2
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	22-7/16 x 22-7/16 x 9-21/32 [570 x 570 x 208]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	28 x 24-13/32 x 9-29/64 [710 x 620 x 240]
	Unit Weight	lbs [kg]	31 [14]
	Package Weight	lbs [kg]	36 [16.50]
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	25
	MOCP	A	42
	Fan Motor Output	W	50
	Airflow Rate Cooling	CFM	2193

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

⁹Heating at -13°F (Indoor // Outdoor) °F 70 DB, 60 WB // -13 DB, -14 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.

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Outdoor Unit	Airflow Rate Heating	CFM	1949
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	54
	Sound Pressure Level, Heating ²	dB (A)	55
	Compressor Type		Twin Rotary
	Compressor Model		SRB172FQHMT
	Compressor Oil [Type // Charge]	// oz	RM68EH // 14.5
	External Finish Color		Munsell No.3Y 7.8/1.1
	Base Pan Heater		Built-in
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	33-1/16 x 13 x 34-5/8 [840 x 330 x 880]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	38-5/8 x 16-9/16 x 39 [980 x 420 x 990]
	Unit Weight	lbs [kg]	115 [52.2]
ODU Operating Temp. Range	Package Weight	lbs [kg]	133 [60.3]
	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	75 , 56 / -13 , -14
Refrigerant	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-22.5 / -14
	Type		R454B
	Pre-Charged Refrigerant Amount	lbs	3
	Maximum Pre-Charged Piping Length	ft [m]	25 [7.60]
Piping	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D. [Flared]	inch [mm]	1/2 [12.72]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	50 [15]
	Maximum Number of Bends		10

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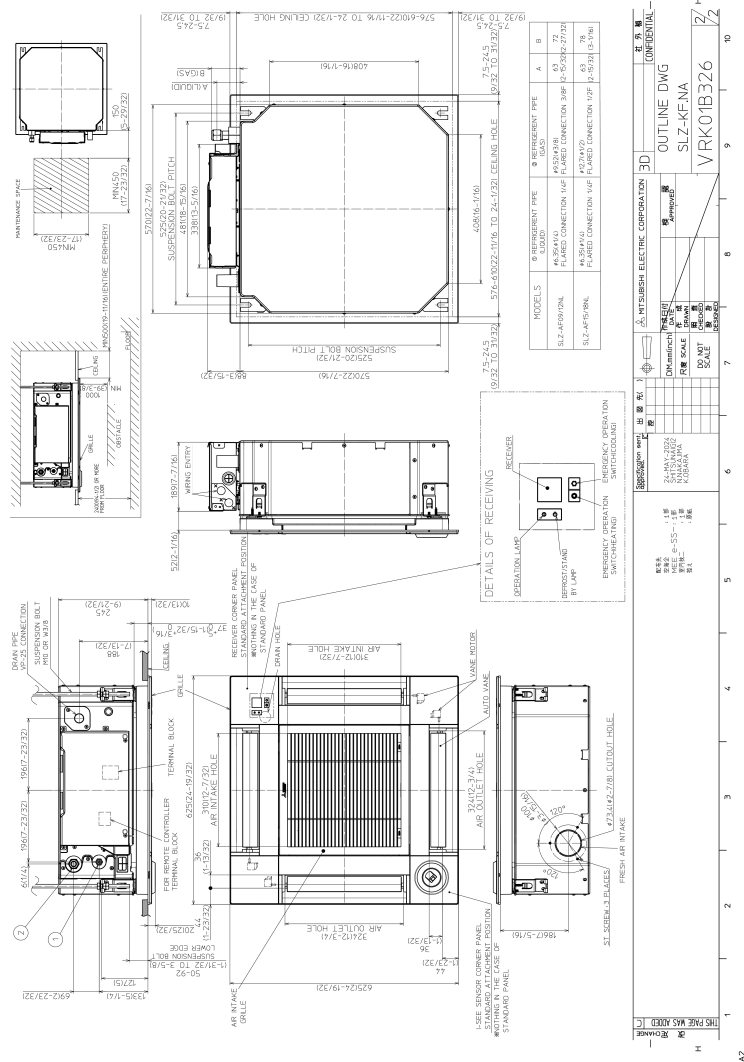
INDOOR UNIT ACCESSORIES: SLZ-AF18NL

Condensate	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐ X86-003
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	☐ X87-711
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
Control Interface	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Operation and Error Status Output Adapter	☐ PAC-SF40RM-E
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	kumo station® for Comfrot app	☐ PAC-WHS01HC-E
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	IT Extender	☐ PAC-WHS01IE-E
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	☐ TAZ-MS303W
Grille	Grille (3D i-see Sensor panel)	☐ SLP-18FAEU
	Grille (Decoration panel)	☒ SLP-18FAU
Lineset	1/4 x 1/2 Lineset Twin-Tube Insulation - 65 feet	☐ MLS141212T-65
	1/4 x 1/2 Lineset Twin-Tube Insulation - 50 feet	☐ MLS141212T-50
	1/4 x 1/2 Lineset Twin-Tube Insulation - 15 feet	☐ MLS141212T-15
	1/4 x 1/2 Lineset Twin-Tube Insulation - 30 feet	☐ MLS141212T-30
	1/4 x 1/2 Lineset Twin-Tube Insulation - 100 feet	☐ MLS141212T-100
Remote Sensor	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
	Wall Mount Remote Temperature Sensor	☐ PAC-SE41TS-E
	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	☐ PAC-USSEN002-FM-1
Terminal Signal Adapter	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
	Connector and wire for On/Off and Error status using CN51 and CN52	☐ PAC-725AD
	Connector and wire for On/Off and Fan command using CN32	☐ PAC-715AD
Wired Remote Controller	Deluxe Wired MA Remote Controller	☐ PAR-42MAAUB
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Touch MA Remote Controller	☐ PAR-CT01MAU-SB
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
Wireless Remote Controller	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
	Wireless Remote Controller	☐ PAR-SL101A-E
	Wireless Signal Receiver for PAR-SL101A-E on SLZ-AF and PLFY-NFMU models	☐ PAR-SF9FA-E
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Wireless signal receiver (corner panel) (for PAR-SL101A-E / PAR-FL32MA)	☐ PAR-SR4LU-E
	Wireless RedLINK™ Remote Controller	☐ MHK2
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	☐ PAR-FL32MA-E
Notes ¹ Requires MAC-334IF-E Interface to connect MA controller ¹ Unable to use with Wireless Handheld Remote Controller		

OUTDOOR UNIT ACCESSORIES: SUZ-AA18NLHZ

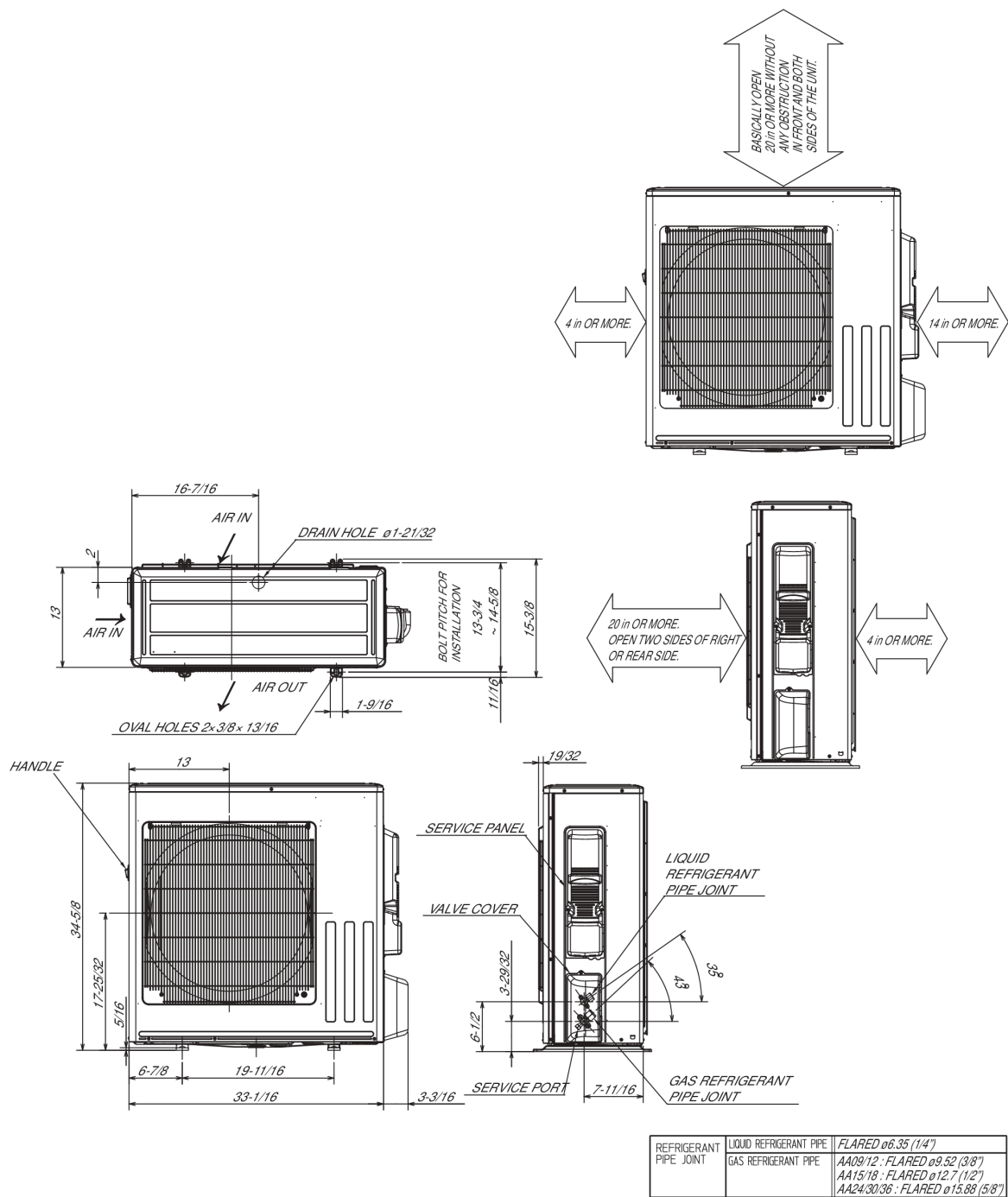
Air Outlet Guide	Air Outlet Guide	☐	MAC-890SG-E
Control/Service Tool	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-A7
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Muffler	Muffler	☐	MAC-002MF-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-3
Stand	24 Single Fan Stand	☐	QSMS2401M
	18 Single Fan Stand	☐	QSMS1801M
	Condenser Wall Bracket	☐	QSWB2000M-1
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
Notes			

A — B — C — D — E — F —



OUTDOOR UNIT DIMENSIONS: SUZ-AA18NLHZ

REQUIRED SPACE



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