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.

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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
	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
	Airflow Rate Heating	CFM	1949

Notes

[1]Cooling at 95°F (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB
[2]Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB
[3]Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB
[5]Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB
[9]Heating 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	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]
	Package Weight	lbs [kg]	133 [60.3]
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 , 56 / -13 , -14
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-22.5 / -14
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs	3
	Maximum Pre-Charged Piping Length	ft [m]	25 [7.60]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	1/2 [12.72]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	50 [15]
	Maximum Number of Bends		10
		inch [mm]	33 [850]

Notes

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INDOOR UNIT ACCESSORIES: SLZ-AF18NL

Condensate	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	☐	X87-711
	Sauermann Condensate Pump	☐	SI30-230
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	☐	COMBI
	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	☐	X88-721
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐	X86-003
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	☐	X87-835
	Blue Diamond Sensor Extension Cable 15 Ft	☐	C13-103
Control Interface	Thermostat Interface for 3rd Party Thermostats	☐	PAC-US445CN-1
	Procon BACnet and Modbus Interface	☐	PAC-UKPRC001-CN-1
	Airzone Wired Blueface Controller Black	☐	AZZBSBLUEZEROCN
	Wireless Interface Adapter for the Comfort app	☐	PAC-USWHS002-WF-2
	Operation and Error Status Output Adapter	☐	PAC-SF40RM-E
	kumo station for the Comfort app	☐	PAC-WHS01HC-E
	Airzone Wireless Think Controller Black	☐	AZZBSTHINKRN
	IT Extender for kumo station	☐	PAC-WHS01IE-E
	Airzone Wireless Think Controller White	☐	AZZBSTHINKRB
	Airzone Wireless Lite Controller White	☐	AZZBSLITERB
	Airzone Wired Blueface Controller White	☐	AZZBSBLUEZEROCB
	Airzone Wireless Lite Controller Black	☐	AZZBSLITERN
Disconnect Switch	30A600VUL fits 2 X 4 utility box - White	☐	TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	☐	TAZ-MS303
Grille	Grille (Decoration panel)	☑	SLP-18FAU
	Grille (3D i-see Sensor panel)	☐	SLP-18FAEU
Lineset	30 x 1/4 x 30 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-30
	50 x 1/4 x 50 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-50
	15 x 1/4 x 15 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-15
	100 x 1/4 x 100 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-100
	65 x 1/4 x 65 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-65
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 Signal Adapter	5-Pin Wiring Harness	☐	PAC-725AD
	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	☐	CN24RELAY-KIT-CM3
	3-Pin Wiring Harness	☐	PAC-715AD
Wired Remote Controller	Deluxe Wired MA Remote Controller	☐	PAR-42MAAUB
	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-1
	Touch MA Wired Remote Controller	☐	PAR-CT01MAU-SB
Wireless Remote Controller	Wireless signal receiver (corner panel) (for PAR-SL101A-E / PAR-FL32MA)	☐	PAR-SR4LU-E
	Wireless MA Remote Controller	☐	PAR-FL32MA-E
	Wireless Remote Contoller	☐	PAR-SL101A-E
	Wireless Signal Receiver for PAR-SL101A-E on SLZ-AF and PLFY-NFMU models	☐	PAR-SF9FA-E
	RedLINK Wireless Remote Controller	☐	MHK2
	Universal Wireless Receiver for PAR-FL32MA-E	☐	PAR-FA32MA-W
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐	RCMKP1CB

Notes

[1]Requires MAC-334IF-E Interface to connect MA controller
[1]Unable to use with Wireless Handheld Remote Controller

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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 Cable50 ft roll	☐ S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐ S144-250
	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	18 Single Fan Stand	☐ QSMS1801M
	Condenser Wall Bracket	☐ QSWB2000M-1
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐ DSD-400P
	24 Single Fan Stand	☐ QSMS2401M
	Outdoor Unit Stand 12 High	☐ QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐ QSWBSS
Notes		

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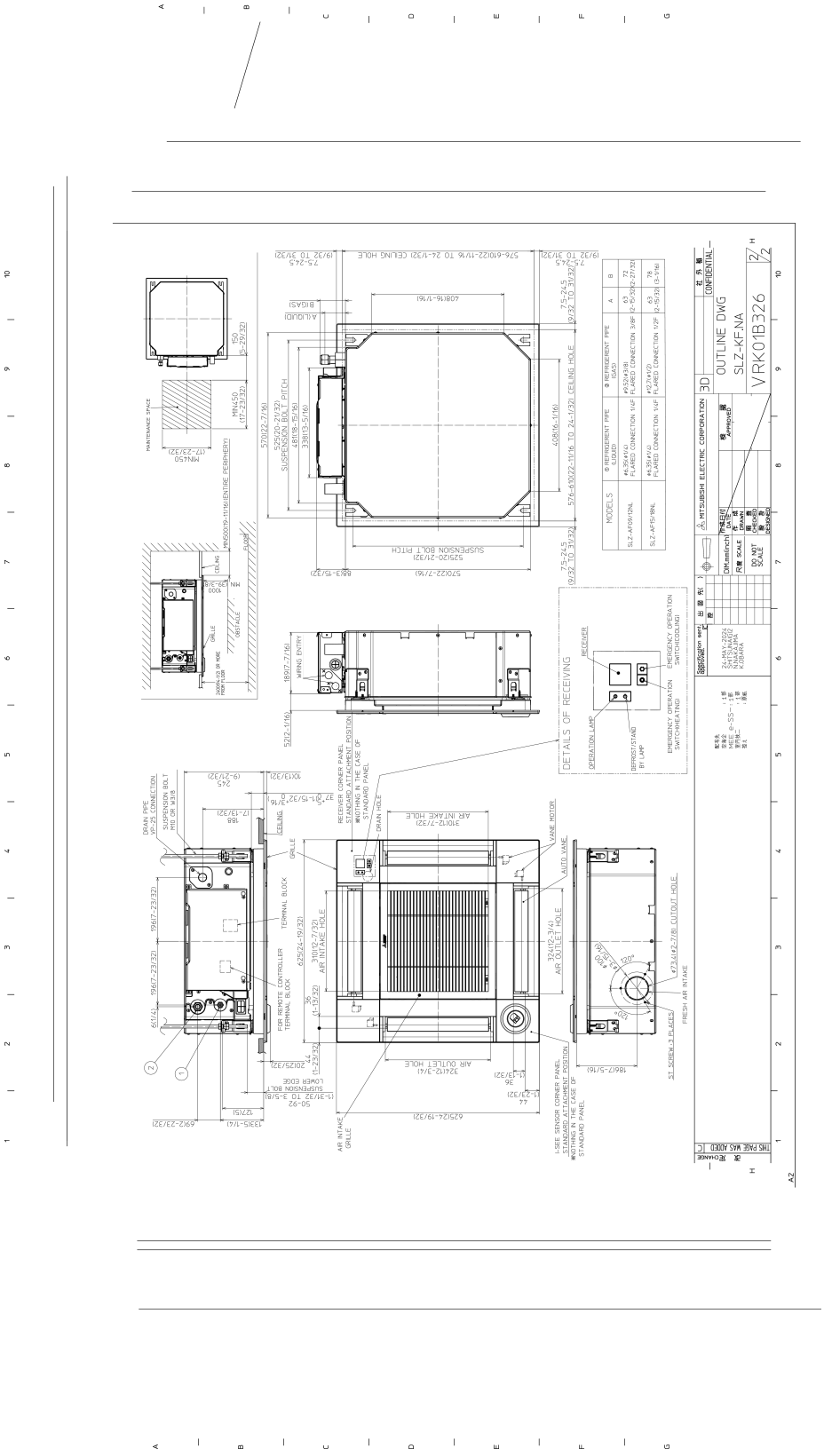
INDOOR UNIT DIMENSIONS: SLZ-AF18NL



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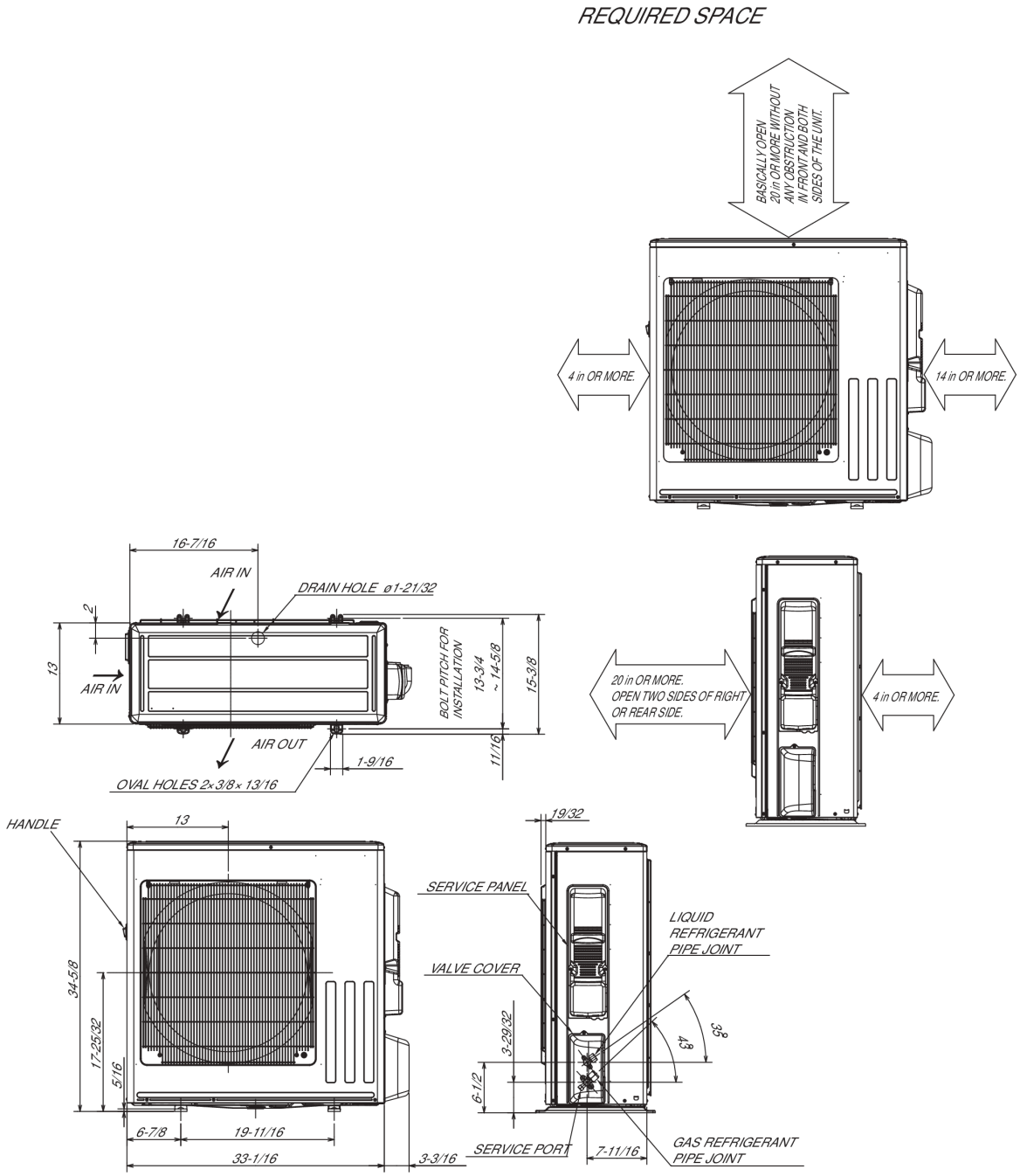
OUTDOOR UNIT DIMENSIONS: SUZ-AA18NLHZ



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED ø6.35 (1/4")
	GAS REFRIGERANT PIPE	AA09/12 : FLARED ø9.52 (3/8") AA15/18 : FLARED ø12.7 (1/2") AA24/30/36 : FLARED ø15.88 (5/8")

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