SEZ-AD12NL & SUZ-AA12NLHZ
12,000 BTU/H LOW STATIC HORIZONTAL-DUCTED INDOOR UNIT
12,000 BTU/H HYPER HEAT PUMP OUTDOOR UNIT

Job Name:			
System Reference:		**Date:**	

INDOOR Unit ... SEZ-AD12NL

OUTDOOR Unit ... SUZ-AA12NLHZ

INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- Three Speed Fan: Adjust the fan between three speed settings to optimal comfort.
- Auto Changeover: The unit will automatically switch between heating and cooling modes to maintain your desired temperature.
- Light Commercial: Light commercial applications include small offices, restaurants, and retail.
- Condensate Lift Mechanism: Reduces the need for an additional pump to remove condensate. Units with a condensate lift mechanism also include an overflow safety switch.

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: SEZ-AD12NL & SUZ-AA12NLHZ

Cooling at 95F[1]	Maximum Capacity	Btu/h	12000
	Rated Capacity	Btu/h	12000
	Minimum Capacity	Btu/h	5100
	Maximum Power Input	W	900
	Rated Power Input	W	900
	Moisture Removal	Pints/h	2.50
	Sensible Heat Factor		0.77
	Power Factor [208V / 230V]	%	97 / 97
Heating at 47F[2]	Maximum Capacity	Btu/h	18000
	Rated Capacity	Btu/h	15000
	Minimum Capacity	Btu/h	7800
	Maximum Power Input	W	1610
	Rated Power Input	W	1240
	Power Factor [208V / 230V]	%	99 / 99
Heating at 17F[3]	Maximum Capacity	Btu/h	15000
	Rated Capacity	Btu/h	9500
	Maximum Power Input	W	1920
	Rated Power Input	W	1110
Heating at 5F[5]	Maximum Capacity	Btu/h	15000
	Maximum Power Input	W	2180
Heating at -13F[9]	Maximum Capacity	Btu/h	9000
Efficiency	SEER2		16.20
	EER2[1]		13.30
	HSPF2 [IV]		9.40
	COP at 47°F[2]		3.50
	COP at 17°F at Maximum Capacity[3]		2.28
	COP at 5°F at Maximum Capacity[5]		2
	COP at -13°F at Maximum Capacity[9]		1.50
	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	MCA	A	1.05
	MOCP	A	15
	Fan Motor Output	W	96
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	247 , 317 , 388
	Airflow Rate at Heating, Dry	CFM	247 , 317 , 388
	Sound Pressure Level [Cooling]	dB (A)	23 , 28 , 33
	Sound Pressure Level [Heating]	dB (A)	23 , 28 , 33
	External Static Pressure	in.WG	0.02 , 0.06 , 0.14 , 0.20
	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]
	Dual Barrier Coating on Heat Exchanger		No
	Dual Barrier Coating on Fan		No
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	39 x 27-9/16 x 7-7/8 [990 x 700 x 200]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	47-1/4 x 35-7/16 x 14-3/16 [1200 x 900 x 360]
	Unit Weight	lbs [kg]	50 [22.50]
	Package Weight	lbs [kg]	73 [33]
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

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	MOCP	A	42
	Fan Motor Output	W	50
	Airflow Rate Cooling	CFM	2193
	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 // 14.50
	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 [52.16]
	Package Weight	lbs [kg]	133 [60.33]
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 / -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 [7.6]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
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]	100 [30]
	Maximum Height Difference	ft [m]	50 [15]
		inch [mm]	21-21/32 [550]

Notes

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[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
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INDOOR UNIT ACCESSORIES: SEZ-AD12NL

Condensate	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐	X86-003
	Sauermann Condensate Pump	☐	SI30-230
	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
	Blue Diamond MultiTank — collection tank for use with multiple pumps	☐	C21-014
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	☐	COMBI
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	☐	X87-835
	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	☐	X88-721
Control Interface	Operation and Error Status Output Adapter	☐	PAC-SF40RM-E
	IT Extender for kumo station	☐	PAC-WHS01IE-E
	Airzone Wireless Lite Controller Black	☐	AZZBSLITERN
	Airzone Wired Lite Controller Black	☐	AZZBSLITECN
	Airzone Wireless Lite Controller White	☐	AZZBSLITERB
	Thermostat Interface for 3rd Party Thermostats	☐	PAC-US445CN-1
	Wireless Interface Adapter for the Comfort app	☐	PAC-USWHS002-WF-2
	Airzone Wireless Think Controller Black	☐	AZZBSTHINKRN
	kumo station for the Comfort app	☐	PAC-WHS01HC-E
	Airzone Wired Blueface Controller White	☐	AZZBSBLUEZEROCB
	Airzone Wired Blueface Controller Black	☐	AZZBSBLUEZEROCN
	Airzone Wireless Think Controller White	☐	AZZBSTHINKRB
	Airzone Wired Lite Controller White	☐	AZZBSLITECB
Control Wire	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	☐	CW2042S2-100
	202PR shielded 1PR plenum wire for Airzone 500 ft reel	☐	CW2042S2-500
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	☐	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	☐	TAZ-MS303W
Filter Box	Filter Box with MERV 8 Filter	☐	FBL1-2
Lineset	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-15
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-65
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-50
	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	☐	MLS143812T-30
Remote Sensor	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	☐	PAC-USSEN002-FM-1
	Wall Mount Remote Temperature Sensor	☐	PAC-SE41TS-E
	Wireless temperature and humidity sensor for the Comfort app	☐	PAC-USWHS003-TH-1
Terminal Signal Adapter	3-Pin Wiring Harness	☐	PAC-715AD
	5-Pin Wiring Harness	☐	PAC-725AD
	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	☐	CN24RELAY-KIT-CM3
Wired Remote Controller	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
	Deluxe Wired MA Remote Controller	☐	PAR-42MAAUB
	Touch MA Wired Remote Controller	☐	PAR-CT01MAU-SB
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-1
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	☐	RCMKP1CB
	Wireless Universal Signal Receiver (for PAR-SL101A-E)	☐	PAR-SA9CA-E
	Universal Wireless Receiver for PAR-FL32MA-E	☐	PAR-FA32MA-W
	RedLINK Wireless Remote Controller	☐	MHK2

Notes

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

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OUTDOOR UNIT ACCESSORIES: SUZ-AA12NLHZ

Air Outlet Guide	Air Outlet Guide	☐ MAC-890SG-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-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 Armored MiniSplit Cable250 ft roll	☐ SW144-250
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐ S144-250
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐ ULTRILITE1
Muffler	Muffler	☐ MAC-001MF-E
Port Adaptor	Adaptor 1/2 x 3/8	☐ PAC-SK88RJ-E
Snow/Rain Diverter	SnowRain Diverter	☐ SRD-3
Stand	Outdoor Unit Stand 12 High	☐ QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐ QSWBSS
	Condenser Wall Bracket	☐ QSWB2000M-1
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐ DSD-400P
	24 Single Fan Stand	☐ QSMS2401M
	18 Single Fan Stand	☐ QSMS1801M
Notes		

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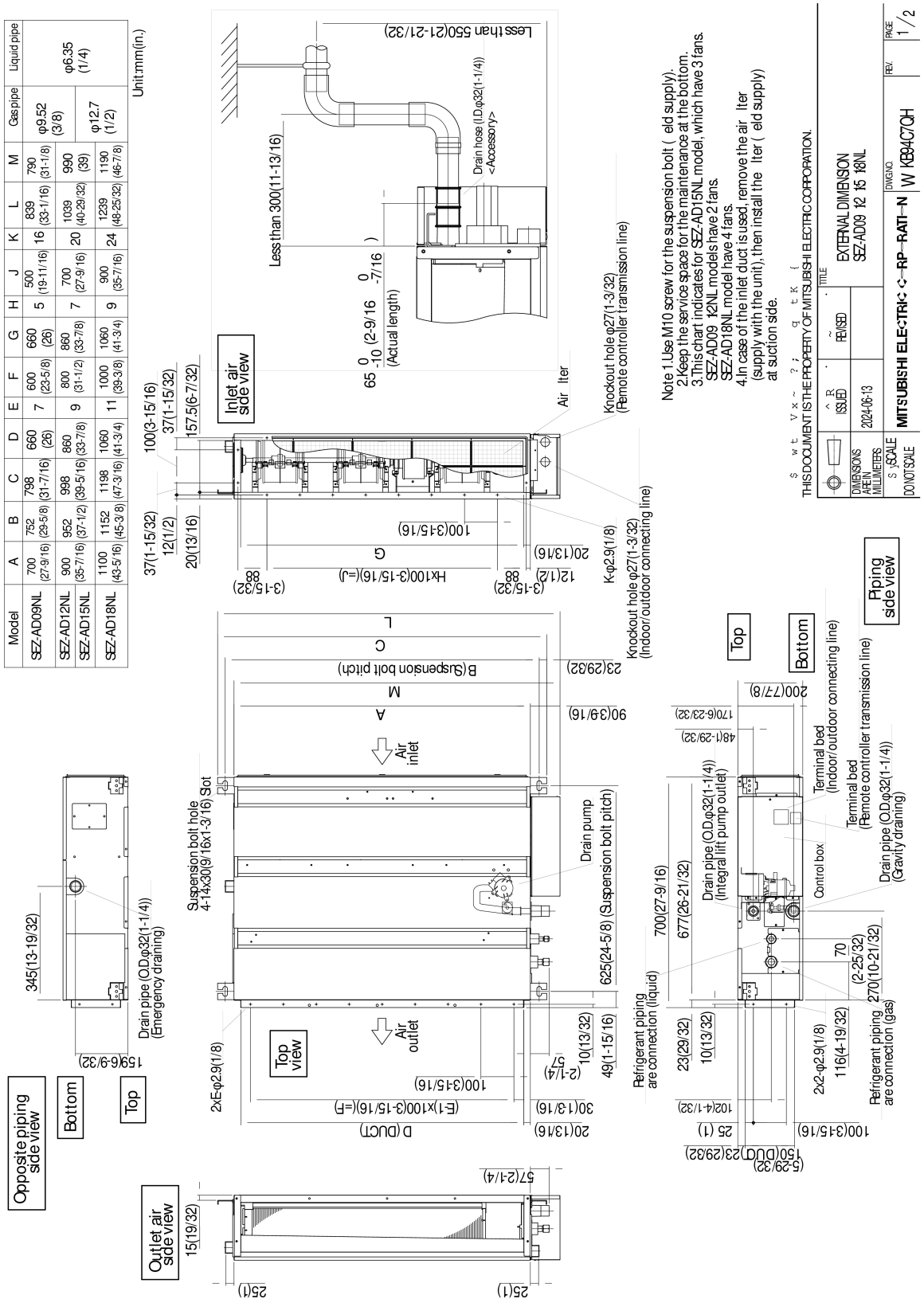
INDOOR UNIT DIMENSIONS: SEZ-AD12NL

Model	A	B	C	D	E	F	G	H	J	K	L	M	Gas pipe	Liquid pipe
SEZ-AD09NL	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	φ9.52 (3/8)	φ6.35 (1/4)
SEZ-AD12NL	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)	φ12.7 (1/2)	
SEZ-AD15NL	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)		
SEZ-AD18NL														

Unit:mm(in.)



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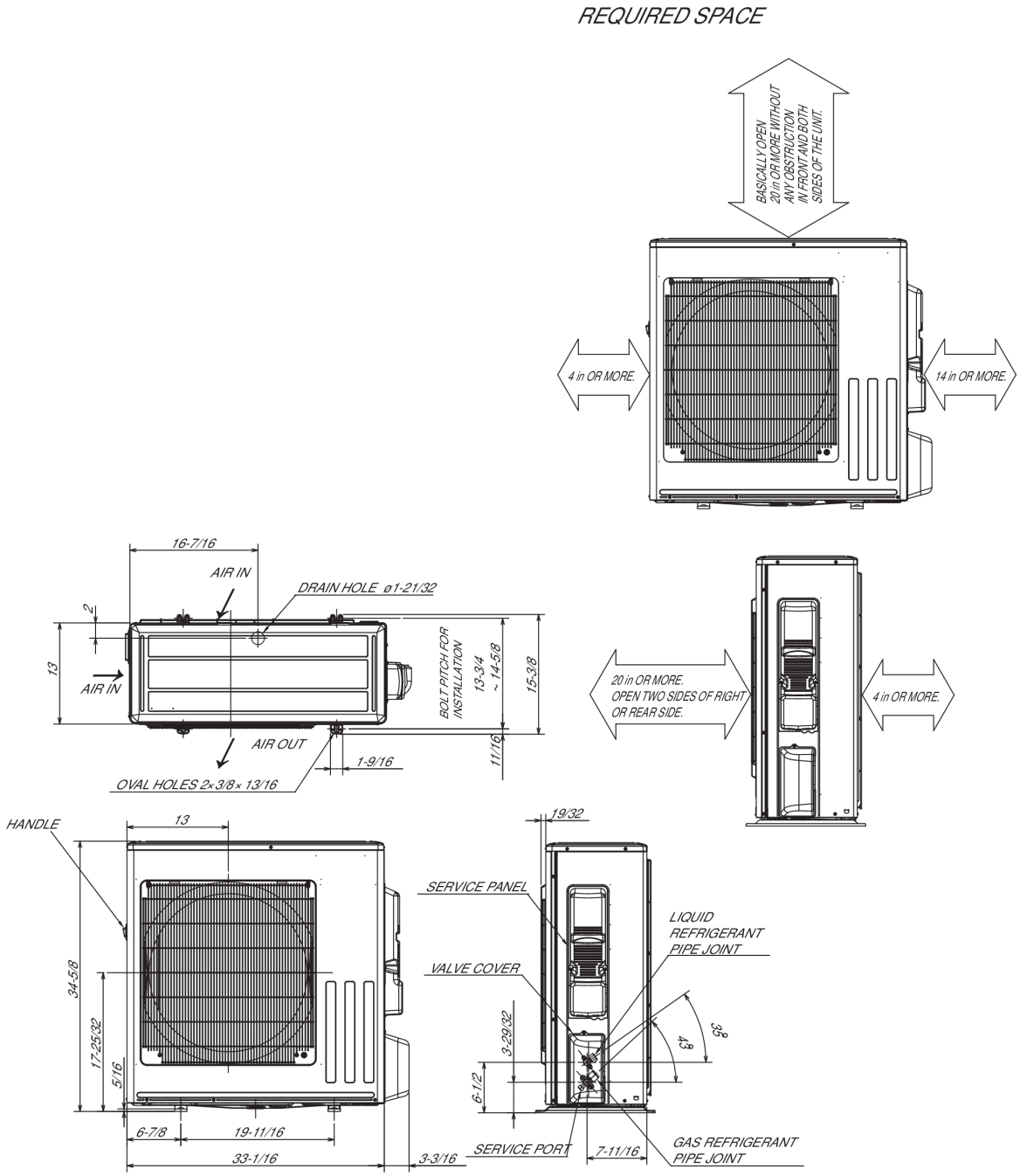
OUTDOOR UNIT DIMENSIONS: SUZ-AA12NLHZ



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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