

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference
 ☐ Approval
 ☐ Construction



Basic product info.

IDU Model Number	SEZ-AD18NL	
ODU Model Number	SUZ-AA18NLHZ	
AHRI Certificate	217232160	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	18000	
Cooling 95F Rated Capacity	18000	
Cooling 95F Minimum Capacity	5500	
Cooling Maximum Power Input	1400	
Cooling Rated Power Input	1400	
Cooling Minimum Power Input	390	
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.83	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	23500	
Heating 47F Rated Capacity	20000	
Heating 47F Minimum Capacity	8400	
Heating 47F Maximum Power Input	1910	
Heating 47F Rated Power Input	1510	
Heating 47F Minimum Power Input	480	
COP 47F at Rated Condition	3.8	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	20000	
Heating 17F Rated Capacity	13100	
Heating 17F Minimum Capacity	7140	
Heating 17F Maximum Power Input	2610	
Heating 17F Rated Power Input	1370	
Heating 17F Minimum Power Input	650	
COP 17F at Maximum capacity	2.24	
COP 17F at Rated Condition	2.8	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	20000	
Heating 5F Minimum Capacity (H4Full)	7140	
Heating 5F Maximum Power Input (H4Full)	2790	
Heating 5F Rated Power Input (H4Full)	2200	
Heating 5F Minimum Power Input (H4Full)	700	
COP 5F at Maximum capacity (H4Full)	2.1	
Heating 5F Rated Capacity (H4Full)	17020	

Performance: Heating at -13F (-25C)

Heating -13F Maximum Capacity	12100	
Heating -13F Minimum Capacity	1900	
Heating -13F Maximum Power Input	2230	
Heating -13F Minimum Power Input	380	
COP -13F at Maximum Capacity	1.58	

ODU Operating Temp. Range

Heating Thermal Re-start Temp (C)	-25	
Cooling Thermal Re-start Temp (C)	-16	
Cooling Thermal Lock-out Temp (C)	-18.5	
Heating Thermal Lock-out Temp (C)	-30	
Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp (F)	-14	
Heating Thermal Lock-out Temp (F)	-22	

Rebates

Energy Star 6.1 Certified	YES	
Energy Star 6.1 Cold Climate Certified	YES	
NEEP Certification	YES	

Efficiency

SEER2	17	
EER2	12.8	
HSPF2 (IV)	10	
HSPF2(V)	8.3	

Electrical

Rated Voltage (Min)	208	
Phase	1	
Recommended Fuse/Breaker Size	30	
ODU Minimum Circuit Ampacity (MCA)	25	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	42	

Indoor Unit

External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
IDU Airflow Rate, Cooling (Dry) CFM	423, 529, 635	
IDU Airflow Rate, Heating CFM	423, 529, 635	
IDU Unit Dimension W (inch)	46 7/8	
IDU Unit Dimension D (inch)	27 9/16	
IDU Unit Dimension H (inch)	7 7/8	

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W (inch)	41	
ODU Unit Dimension D (inch)	13 + 1	
ODU Unit Dimension H (inch)	52 43/64	
ODU Unit Weight (lbs)	115	

Piping

Maximum Piping Length (m)	30	
Liquid Pipe Size O.D. [Flared]	1/4	
Gas Pipe Size O.D. [Flared]	1/2	
Maximum Piping Length (ft)	100	
ODU Liquid Pipe Size O.D. [Flared]	1/4	
ODU Gas Pipe Size O.D. [Flared]	1/2	

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	3 lbs	

Accessories

Simple CN105 Controller	PAC-SDW01RC-CA1	
Remote Controller English	PAR-FL32MA-E	
Wall Mount controller	PAR-42MAACAB	
NA T-STAT Interface	RMF-CA100	
Wi-Fi Adapter	PAC-USWHS002CN-1	

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (* Windscreens required for cooling operations below 23°F (-5°C))

¹ Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB

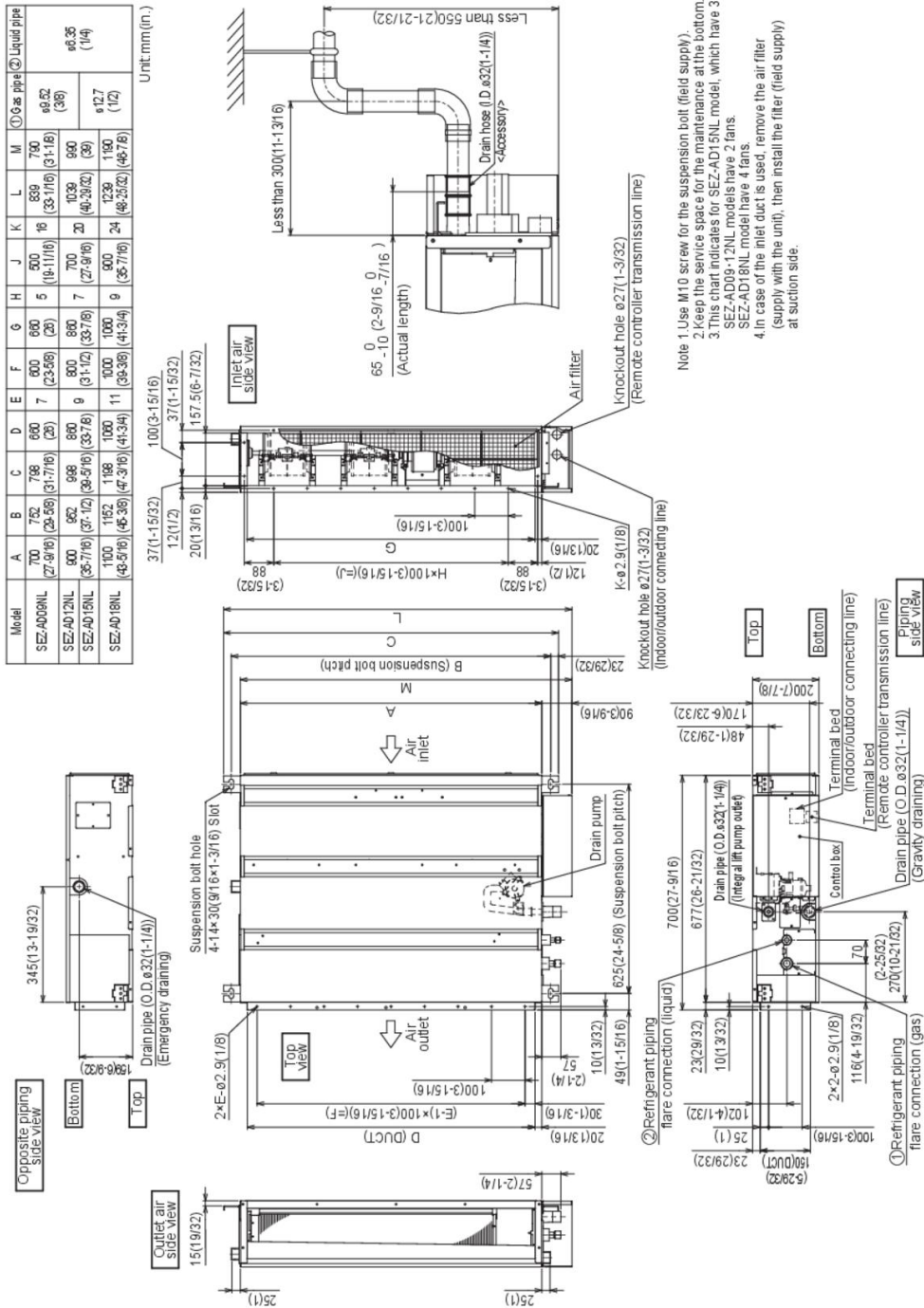
² Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

³ Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

tHeating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB

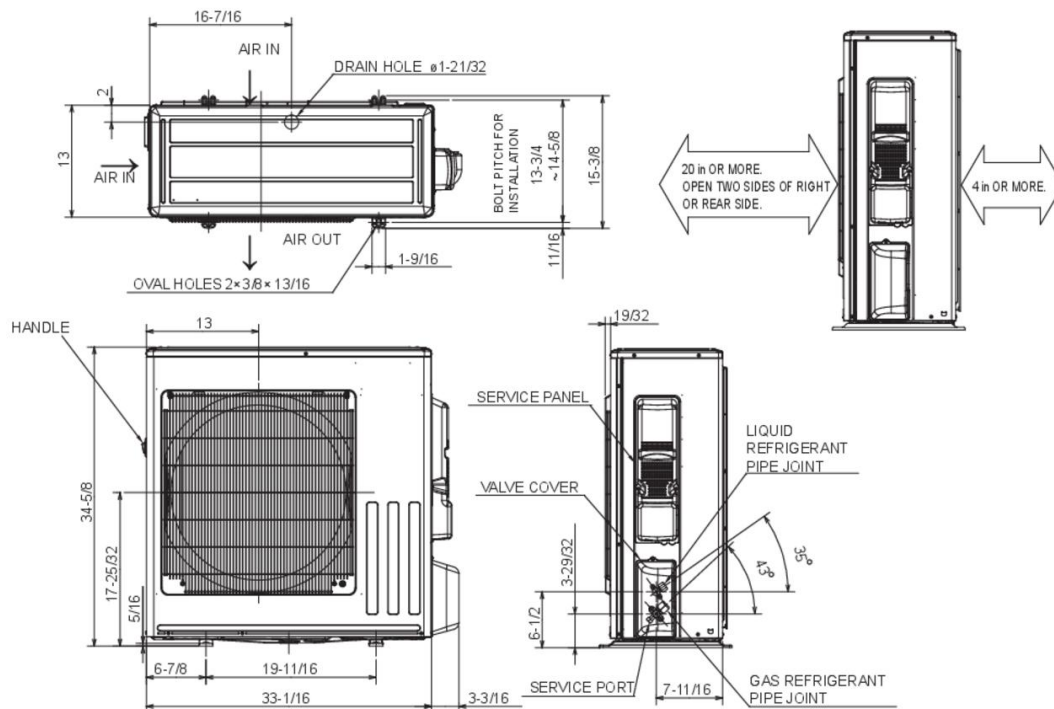
uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

SEZ-AD18NL



HWE24090

Unit: inch



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED $\phi 6.35$ (1/4")
	GAS REFRIGERANT PIPE	AA09/12: FLARED $\phi 9.52$ (3/8") AA15/18: FLARED $\phi 12.7$ (1/2") AA24/30/36: FLARED $\phi 15.88$ (5/8")