

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

Reference Approval Construction



Basic product info.

IDU Model Number	SVZ-AP36NL
ODU Model Number	SUZ-AK36NLHZ
AHRI Certificate	215712242
IDU Model Code	32P116

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	37000	Btu/h
Cooling 95F Rated Capacity	36000	Btu/h
Cooling 95F Minimum Capacity	12700	Btu/h
Cooling Maximum Power Input	3520	W
Cooling Rated Power Input	3410	W
Cooling Minimum Power Input	980	W
Moisture removal at AHRI Cooling Rating Conditions	10.2	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.7	-

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	40000	Btu/h
Heating 47F Maximum Power Input	3660	W
Heating 47F Rated Capacity	40000	Btu/h
Heating 47F Minimum Capacity	13300	Btu/h
Heating 47F Minimum Power Input	840	W
COP 47F at Rated Condition	3.2	
Heating 47F Rated Power Input	3660	W

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	37000	Btu/h
Heating 17F Rated Capacity	25800	Btu/h
Heating 17F Minimum Capacity	8500	Btu/h
Heating 17F Maximum Power Input	6070	W
Heating 17F Rated Power Input	2990	W
Heating 17F Minimum Power Input	1420	W
COP 17F at Maximum capacity	1.7	
COP 17F at Rated Condition	2.5	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	37000	Btu/h
Heating 5F Minimum Capacity (H4Full)	6900	Btu/h
Heating 5F Maximum Power Input (H4Full)	6020	W
Heating 5F Rated Power Input (H4Full)	3000	W
Heating 5F Minimum Power Input (H4Full)	1480	W
COP 5F at Maximum capacity (H4Full)	1.8	
Heating 5F Rated Capacity (H4Full)	26100	Btu/h

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

Heating -13F Maximum Capacity	30400	
Heating -13F Minimum Capacity	4500	
Heating -13F Maximum Power Input	4870	
Heating -13F Minimum Power Input	1370	
COP -13F at Maximum Capacity	1.82	

ODU Operating Temp. Range

Cooling Thermal Re-start Temp	-16.3	
Cooling Thermal Lock-out Temp	-18.5	
Heating Thermal Lock-out Temp	-30.3	
Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp	-25.6	
Heating Thermal Re-start Temp (F)	-14	
Heating Thermal Lock-out Temp (F)	-23	

Rebates

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

Efficiency

SEER2	15.2	
EER2	10.5	
HSPF2 (IV)	9.1	
HSPF2(V)	7.7	
HSPF2 (V)	7.7	

Electrical

Rated Voltage (Min)	208	V AC
Rated Voltage (Max)	230	V AC
Phase	1	
Recommended Fuse/Breaker Size	30	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	48	A
Recommended Fuse/Breaker Size of System (ODU)	30	A
ODU Minimum Circuit Ampacity (MCA)	29	A
Short-circuit Current Rating (SCCR)	5	kA

Indoor Unit

External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
IDU Unit Dimension W	21	inch
IDU Unit Dimension D	21 5/8	inch
IDU Unit Dimension H	43 7/8	inch
IDU Unit Weight	122	lbs
Drain Pipe Size (Outer size)	19.05	mm
IDU Airflow Rate, Cooling (Dry)	767, 910, 910	CFM
IDU Airflow Rate, Heating	767, 910, 910	CFM
IDU Airflow Rate at Cooling, Dry 1	767	CFM
IDU Airflow Rate at Cooling, Dry 2	910	CFM
IDU Airflow Rate at Cooling, Dry 3	910	CFM
IDU Airflow Rate at Heating 1	767	CFM
IDU Airflow Rate at Heating 2	910	CFM
IDU Airflow Rate at Heating 3	910	CFM

Outdoor Unit

Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	41 11/32	inch
ODU Unit Dimension D	13 + 1	inch
ODU Unit Dimension H	52 43/64	inch
ODU Fan Motor Output	0.0992 + 0.0992	HP
ODU Unit Weight	231.5	lbs

Piping

Liquid Pipe Size O.D. [Flared]	3/8	inch
Gas Pipe Size O.D. [Flared]	5/8	inch
Maximum Height Difference	100	ft
Maximum Piping Length	245	ft
ODU Liquid Pipe Size O.D. [Flared]	3/8	inch
ODU Gas Pipe Size O.D. [Flared]	5/8	inch

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	9 lbs 14 oz	lbs, oz
Pre-charged Refrigerant Amount	158.7	oz
Maximum Pre-charged Piping Length	24.9	ft

Accessories

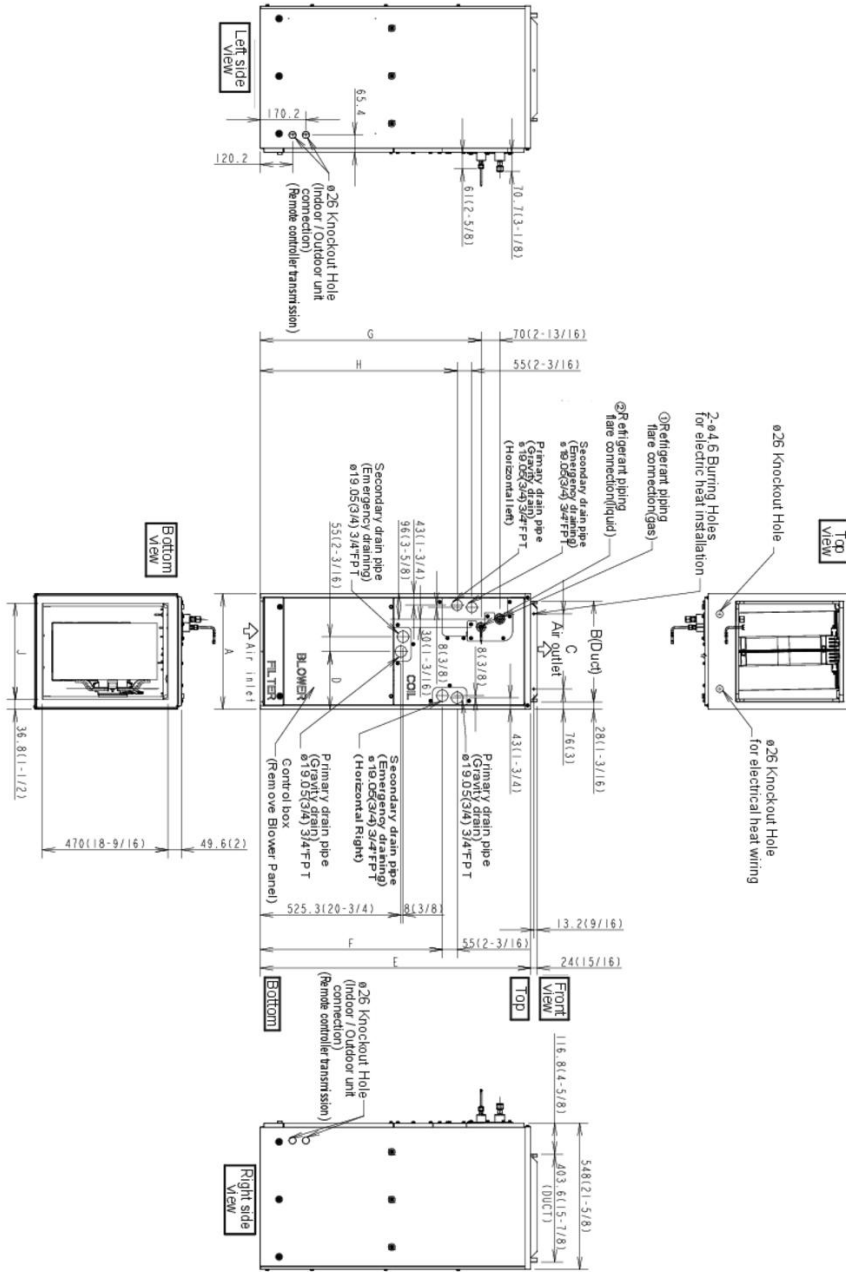
Remote Controller English	PAR-FA32MA-W
Remote Controller French	PAR-FL32MA-E
Wall Mount controller	PAR-42MAACAB
Simple Wall MA Controller	PAC-YT53CRAU-J
NA T-STAT Interface	RMF-CA100
Wi-Fi Adapter	PAC-USWHS002
Simple CN105 Controller	SDW01RC-01

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

SVZ-AP36NL

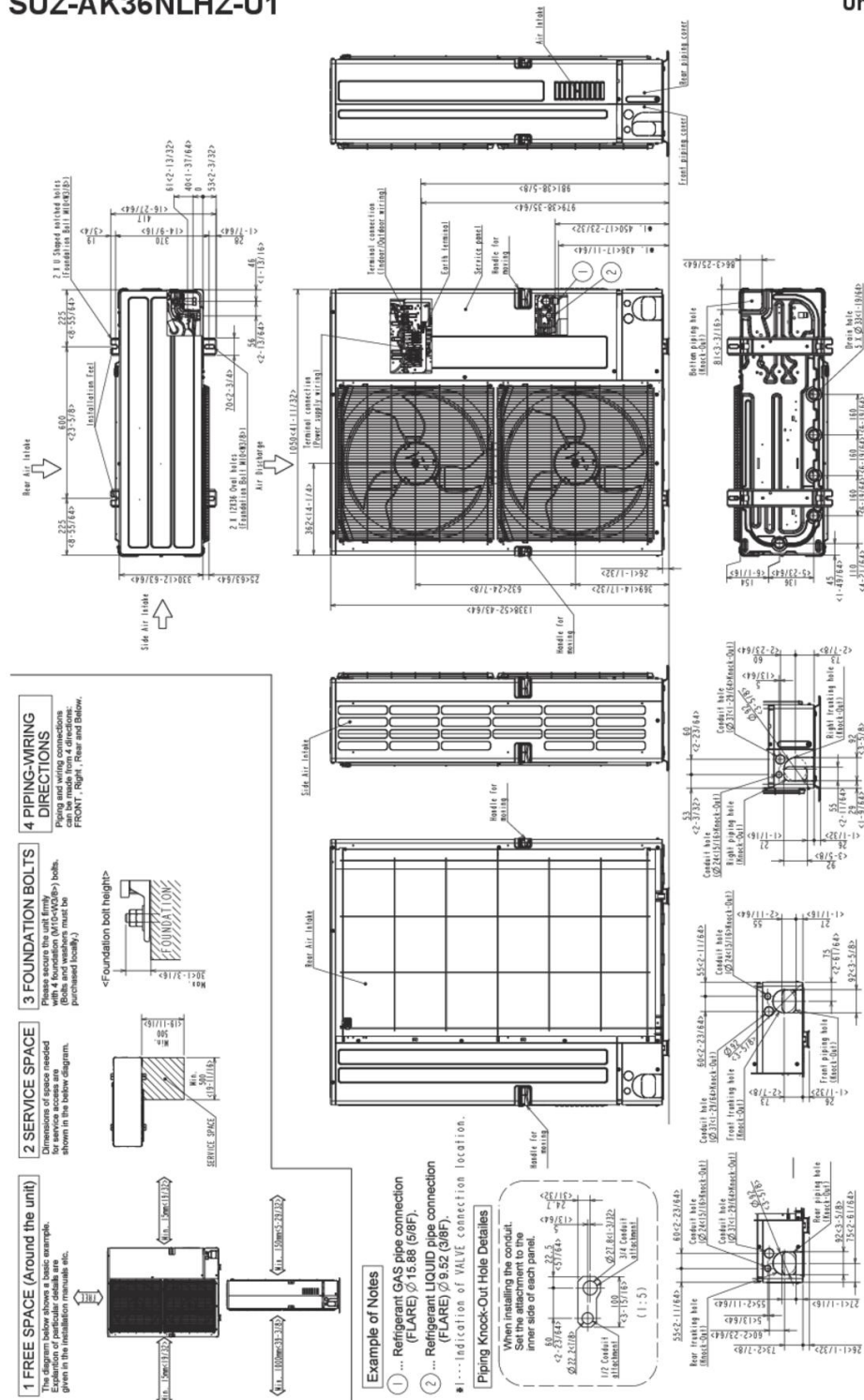
Units: mm (in.)



Provide enough clearance in front of unit for service and maintenance. Electrical entrance for SVZ located on both left and right side of the cabinet. See the right or left side view for knockout locations.

SUZ-AK36NLHZ-U1

Unit: mm<in>



- 1 FREE SPACE (Around the unit)**
The diagram below shows a basic example. Dimensions and clearances are shown in the below diagram.
- 2 SERVICE SPACE**
Dimensions of space needed for service are shown in the below diagram.
- 3 FOUNDATION BOLTS**
Please secure the unit firmly. Foundation bolts and washers must be purchased locally.
- 4 PIPING-WIRING DIRECTIONS**
Piping and wiring connections are shown in the below diagram. FRONT, RIGHT, REAR and BELOW.

- Example of Notes**
- ① ... Refrigerant GAS pipe connection (FLARE) \varnothing 16.88 (5/8F).
 - ② ... Refrigerant LIQUID pipe connection (FLARE) \varnothing 9.52 (3/8F).
 - * ... Indication of VALVE connection location.

