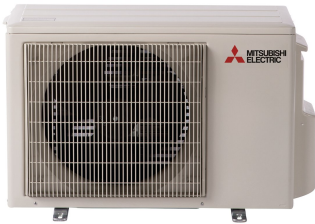


Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference
 ☐ Approval
 ☐ Construction



Basic product info.

IDU Model Number	SVZ-AP12NL	
ODU Model Number	SUZ-CA12NLH	
AHRI Certificate	216800248	
IDU Model Code	32P112	

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	11400	
Cooling 95F Rated Capacity	11400	
Cooling 95F Minimum Capacity	2800	
Cooling Maximum Power Input	940	
Cooling Rated Power Input	940	
Cooling Minimum Power Input	210	
Moisture removal at AHRI Cooling Rating Conditions	1.5	
Sensible Heat Factor at AHRI Cooling Rating Conditions	1.5	

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	15100	
Heating 47F Rated Capacity	15000	
Heating 47F Maximum Power Input	1280	
Heating 47F Rated Power Input	1280	
Heating 47F Minimum Power Input	240	
COP 47F at Maximum Capacity	3.44	
COP 47F at Rated Condition	3.42	
Heating 47F Minimum Capacity	5100	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	9700	
Heating 17F Rated Capacity	9700	
Heating 17F Minimum Capacity	2700	
Heating 17F Rated Power Input	1140	
Heating 17F Minimum Power Input	210	
COP 17F at Maximum capacity	2.48	
COP 17F at Rated Condition	2.46	
Heating 17F Maximum Power Input	1140	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	7800	
Heating 5F Minimum Capacity (H4Full)	2630	
Heating 5F Maximum Power Input (H4Full)	1070	
Heating 5F Rated Power Input (H4Full)	1070	
Heating 5F Minimum Power Input (H4Full)	200	
COP 5F at Maximum capacity (H4Full)	2	
COP 5F at Rated capacity (H4Full)	2.26	
Heating 5F Rated Capacity (H4Full)	7740	

ODU Operating Temp. Range

Heating Thermal Re-start Temp (C)	-20	
Cooling Thermal Re-start Temp (C)	-16	
Cooling Thermal Lock-out Temp (C)	-18.5	
Heating Thermal Lock-out Temp (C)	-25	
Cooling Thermal Re-start Temp (F)	3	
Cooling Thermal Lock-out Temp (F)	-1	
Heating Thermal Re-start Temp (F)	-4	
Heating Thermal Lock-out Temp (F)	-14	

Rebates		
NEEP Certification	YES	
Energy Star 6.1 Certified	YES	
Energy Star 6.1 Cold Climate Certified	NO	

Efficiency		
SEER2	18.4	
EER2	12.1	
HSPF2 (IV)	9.5	
HSPF2(V)	7.8	

Electrical		
Recommended Fuse/Breaker Size of System (ODU)	15	
ODU Minimum Circuit Ampacity (MCA)	14	
Rated Voltage (Min)	208	
Rated Voltage (Max)	230	
Recommended Fuse/Breaker Size	15	
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	23	

Indoor Unit		
External Finish (Munsell No. in case painting)	6.2PB 9/0.9	
Drain Pipe Size (Outer size)	19.05	
IDU Airflow Rate, Cooling (Dry) CFM	278, 381, 448	
IDU Airflow Rate, Heating CFM	278, 381, 448	
IDU Airflow Rate at Cooling, Dry 1	278	
IDU Airflow Rate at Cooling, Dry 2	381	
IDU Airflow Rate at Cooling, Dry 3	448	
IDU Airflow Rate at Heating 1	278	
IDU Airflow Rate at Heating 2	381	
IDU Airflow Rate at Heating 3	448	

Outdoor Unit		
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Fan Motor Output	0.074	
ODU Unit Weight	81.6	

Piping		
Liquid Pipe Size O.D. [Flared]	1/4	
Maximum Piping Length (m)	20	
Maximum Piping Length (ft)	65	
Gas Pipe Size O.D. [Flared]	3/8	
ODU Liquid Pipe Size O.D. [Flared]	1/4	
ODU Gas Pipe Size O.D. [Flared]	3/8	

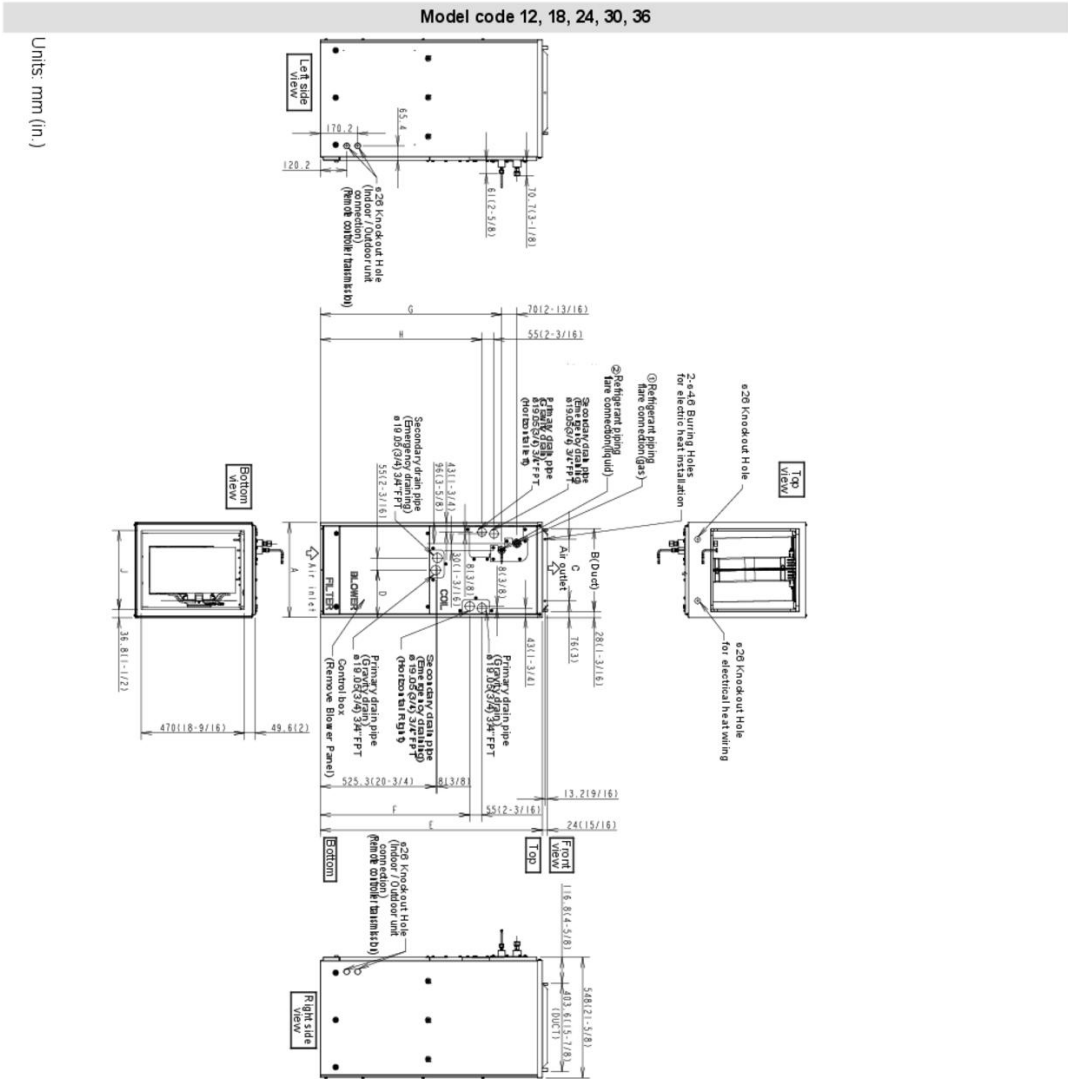
Refrigerant		
Refrigerant Type	R454B	
Pre-charged Refrigerant Amount (ODU)	2 lbs	
Maximum Pre-charged Piping Length (ft)	25	

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-USWHS002CN-1	
Simple CN105 Controller	PAC-SDW01RC-CA1	

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

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.



Units: mm (in.)

Model code	Nominal filter size	Duct connection	② Liquid pipe	① Gas pipe
12	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14 -13/16 x 15-7/8)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
18				Ø 12.7 (1/2)
24			508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
30				
36				

Model code	A	B	C	D
12	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)
18				
24				
30	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)
36				

Model code	E	F	G	H	J
12	1,010.8 (39-13/16)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)
18					
24					
30	1,113.8 (43-7/8)	737 (19-1/16)	935.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)
36					

SUZ-CA12NLH-U1

Unit: inch(mm)

