

Job Name	
Order No.	

HITACHI

Submittal Data Sheet	PAS-36BLFASDQ1 / JPE36B3XD2HS1A
36,000 Btu/hr Multi Position Heat Pump System	



Indoor Specifications				
Airflow Rate (cfm)	Cooling		Heating	
	H	M	H	M
	1200	800	1200	800
	L		L	
	700	700		
Sound (dBA)				
Dimensions (H x W x D) (in)	[48-3/8]x[17-1/2]x[20-1/2]			
Airflow Inlet (H x W) (in)	[18-5/8]x[16-1/2]			
Weight (Lbs)	100			
External Static Pressure (in. wc.)	1.0			

Outdoor Specifications		
Compressor	ATH356SKRC9EQ	
Refrigerant	R32	
Factory Charge (Lbs)	7.50	
Refrigerant Oil	RmM68EA or equivalent	
Airflow Rate (cfm)	Cooling	Heating
	4823	4823
Sound Pressure Level (dBA)	56	
Dimensions (W x H x D) (in)	[37-13/32]x[54-21/64]x[12-19/32]	
Weight (lbs)	251.1	

Recommended cable between Outdoor and Indoor 14AWG - 18AWG 4 conductors stranded copper wire and Power wiring cable size must comply with applicable national and local codes.

Efficiency			
Cooling		Heating	
SEER2	19.5	HSPF2	9.7
EER2	12.5	COP	3.8

Performance	
Cooling(Btu/hr)	
Rated(Min/Max)	36,000(14,000/43,000)
Sensible@AHRI	27,500
Operating Range	0°F~115°F

Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

Heating(Btu/hr)	
1: @ 47° Rated (Min/Max)	38,000(14,500/47,000)
2: @ 17° Rated	35,200
3: @ 5° Max: Capacity / COP	38,000/1.9
Operating Range	-13°F~75°F

- 1: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB
- 2: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
- 3: Heating Conditions; Compressor Operating at Max Frequency: Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB

Electrical		
	208/60/1	230/60/1
System MCA	18.5	18.5
System MFA	40	40
Compressor RLA	11.5	11.5
Outdoor fan motor FLA	0.62	0.62
Outdoor fan motor W	138	138
Indoor fan motor FLA	-	3.8
Indoor fan motor W	-	373

MFA: Max. fuse amps MCA: Min. circuit amps (A) FLA: Full load amps (A) RLA: Rated load amps (A) W: Fan motor rated output (W)

Piping	
Liquid (in)	3/8
Gas (in)	5/8
Drain (in)	4/5
Max. Interunit Piping Length (ft)	246
Max. Interunit Height Difference (ft)	98.4
Chargeless (ft)	98.4
Additional Charge of Refrigerant (oz/ft)	0.376

Optional Accessories:

Description		Part Number
Wired Remote Controller		CIW03-H
Wireless Remote Controller		PC-LH8QE
AHU Control Box		AIRCOREAHUKIT1
airCloud Adapter		GA-WFG-N
Mini Central Controller		CCM01
Large Central Controller		CCL01
Central Touchscreen Controller		CCXL02
5 Wire Thermostat Adapter		C3STAT01
5 Wire Thermostat, Wi-Fi, Modbus/Bacnet Adapter		C4STAT01
Remote Control Cable 16.4 ft		PRC-5K
Remote Control Cable 32.8 ft		PRC-10K
Remote Control Cable 49.2 ft		PRC-15K
Motion Sensor Kit		SOR-NEZ
BACnet/Modbus Gateway		HBN200-PRO
Filter Rack		S1-1BR01117
Electric Heaters		
Heater Kit Mode1s	Nom. kW [®] 240V	JPE36B3*D
S1-8HK(0,1)6500206	2.41<W	Med (#3)
S1-8HK(0,1)6500506	4.81<W	Med (#3)
S1-8HK(0,1)6500806	7.71<W	Med Hi (#4)
S1-8HK(0,1)6501006 S1-8HK06501025	9.61<W	Med Hi (#4)
S1-8HK(1,2)6501506 S1-8HK06501525	14.4kW	Med Hi (#4)
S1-8HK(1,2)6502006 S1-8HK16502025	19.21<W	Med Hi (#4)

Dimensional Data:

Indoor Unit:

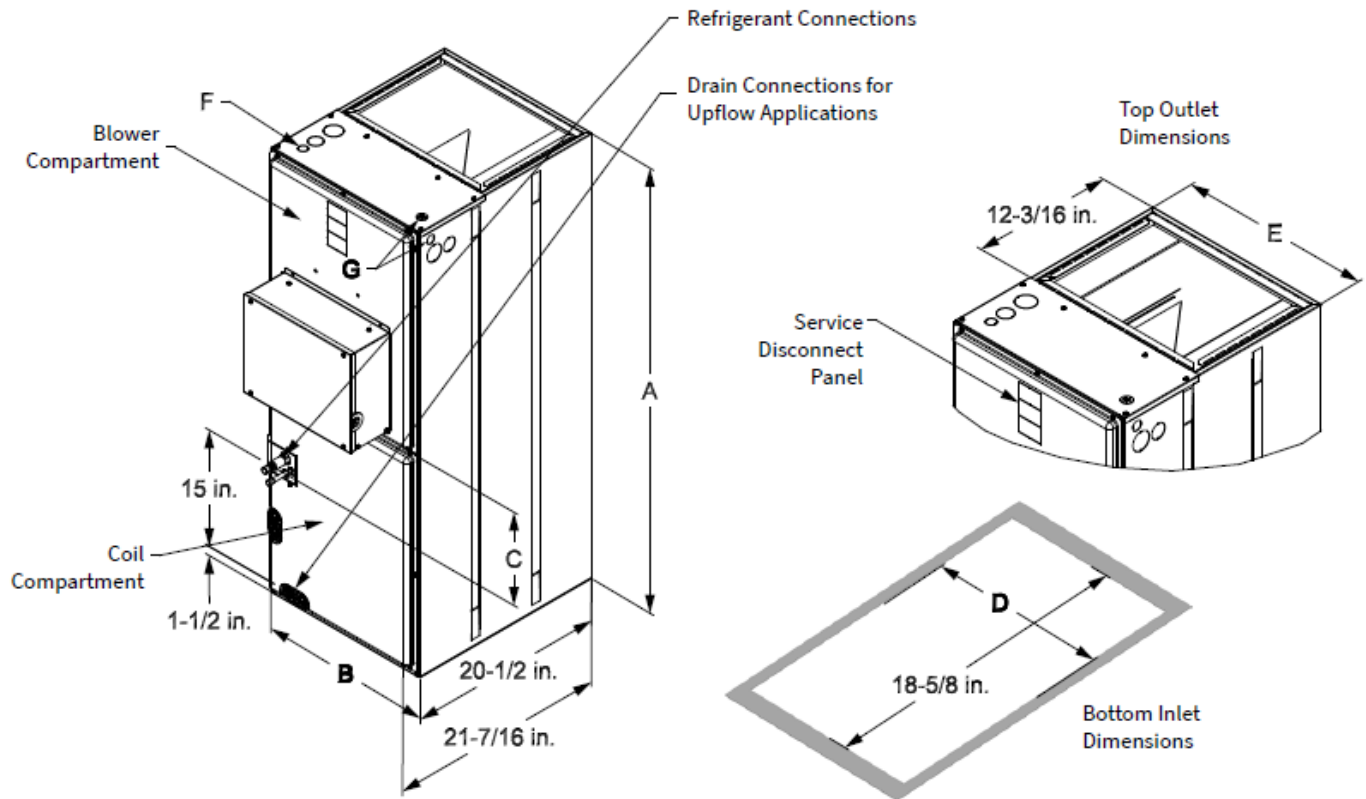


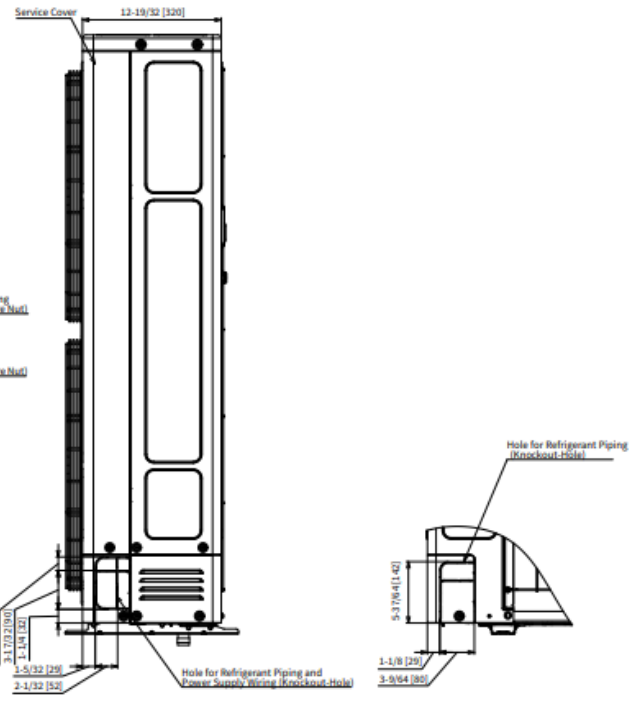
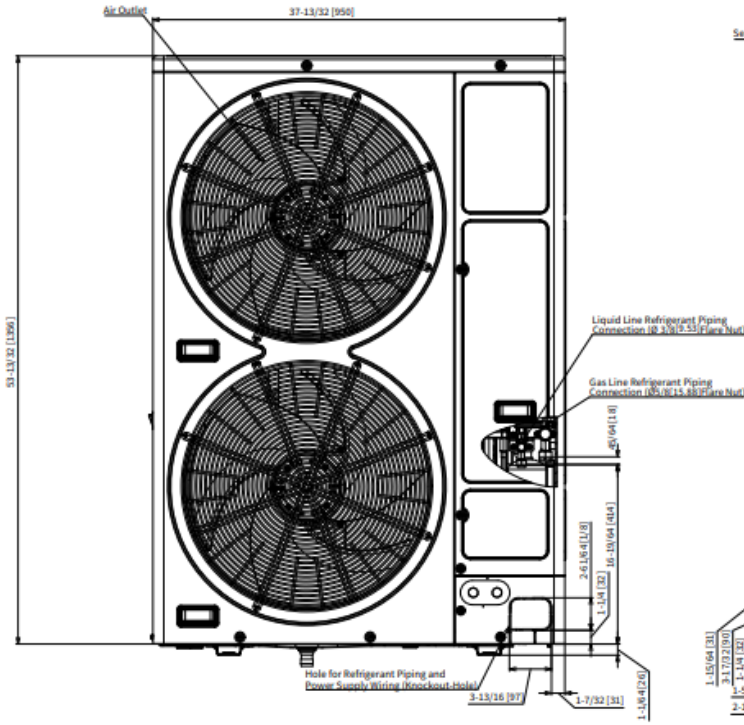
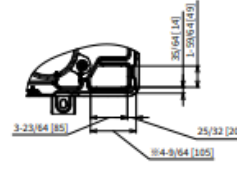
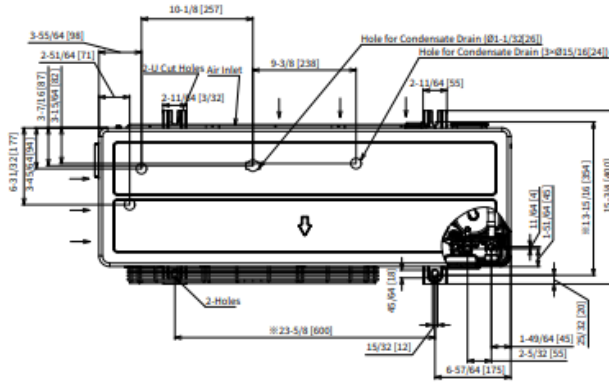
Table 8: Dimensions

Unit: inch.

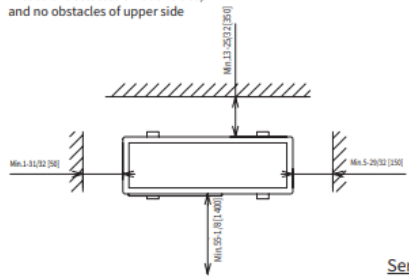
Models	Dimensions					Wiring knockouts (actual conduit size)		Refrigerant connections line size	
	A	B	C	D	E	F	G	Liquid	Vapor
	Height	Width	Opening widths			Power	Control		
JPE18B3XB2HS1A	45-5/8	17-1/2	7-1/2	16-1/2	16-1/2	7/8 (1/2) 1 3/8 (1) 1 23/32 (1 1/4)	7/8 (1/2)	3/8	3/4
JPE24B3XC2HS1A	48-3/8	17-1/2	10	16-1/2	16-1/2				
JPE30B3XD2HS1A	48-3/8	17-1/2	10	16-1/2	16-1/2				
JPE36B3XD2HS1A	48-3/8	17-1/2	10	16-1/2	16-1/2				
JPE48C3XG2HS1A	60	21	21-3/4	20	20			7/8	

Outdoor Unit:

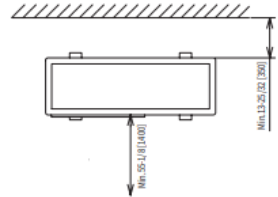
Unit: in. [mm]



- In case of obstacles on both sides, and no obstacles of upper side



- In case of NO obstacles on both sides, and no obstacles of upper side



Service Space

Drain Water

Drain water is caused during a defrosting operation.

1. Choose a place where well drainage is available. Provide a groove for drain.
2. Do not provide an upward slope from the unit to avoid reverse flow of the drain. Provide a second drain pan under the outdoor unit to collect drain water securely.

NOTES:

1. Refrigerant is factory charged for actual piping length and no additional charge less than 118-7/64 inches(3000mm) is required in the field. Additional charge more than 118-7/64 inches(3000mm) is required in the field.
2. In the case that dimension of 105 marked with ≡ is provided, it is possible to perform piping work from the bottom.
3. The dimension marked with ≡ indicates the mounting pitch dimension for anchor bolts.