

# SUBMITTAL - 18KWAH2

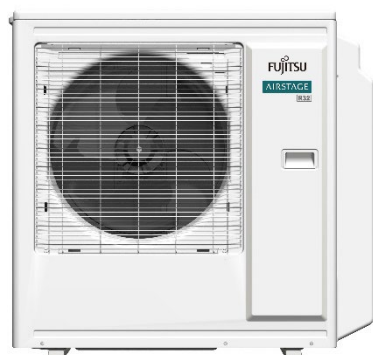
Job Name: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

**R32**

Outdoor Unit: **AOUH18KWAH2**



**XLTH**

## FEATURES

### MULTI-ZONE OUTDOOR UNIT:

- Multi-zone outdoor Unit with a connectable capacity of up to 130%
- Supports connection of 2 indoor units
- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Operates efficiently with heating down to -15°F (-26°C) and cooling up to 122°F (50°C)
- Built-in base pan heater prevents ice buildup
- Efficiently delivers comfort with capacities ranging from 14,000 to 24,000 BTU
- Blue Fin-coated heat exchanger for improved corrosion resistance and coil durability
- Super quiet operation with sound levels as low as 47dB
- Common indoor units compatible with single and multi-zone systems: Compact Cassette, Mid Static Ducted, Multi-Position Air Handling Unit, Slim Ducted, and Wall-Mounted models
- Current limit function, allowing precise control to meet specific power requirements
- Built-in safety features, including circuit protection, fan motor protection, and compressor protection, ensuring reliable operation and long-lasting durability
- Compact outdoor unit with extended line set lengths up to 164ft (50m)



7 Year Compressor, 5 Year Parts out-of-the-box Warranty.



10 Year Compressor, 10 Year Parts Warranty when registered within 60 days of installation in a residence.



12 Year Compressor, 12 Year Parts Warranty when registered within 60 days of installation in a residence and installed by a Fujitsu Elite contractor.



Due to continuous product improvements, specifications are subject to change without notice. Please log in to the Fujitsu Portal for the most up-to-date documentation <https://connect.fujitsugeneral.com>

Version: 20250618A

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## SPECIFICATIONS:

Model number				AOUH18KWAH2		
System name				18KWAH2		
Connectable Indoor Unit	Number	Min.		2		
		Max.		2		
	Total Capacity Range	Min.		14,000		
		Max.		24,000		
AHRI Number				215447691	215447692	215447698
Standard combination of indoor unit				Non-Ducted	Ducted	Mixed
SEER2	Cooling		Btu/hW	22	19	20.5
EER2	Cooling	Rated	Btu/hW	13.5	13	13.2
HSPF 2 (IV) / HSPF 2 (V)	Heating		Btu/hW	11 / 9.3	10 / 8.5	10.5 / 8.9
COP2	Heating	Rated	kW/kW	4.4	3.8	4.1
Energy Star*1				ES, ESCC, ESME		
Outdoor Operation Range	Cooling		°F (°C)	14 to 122 (-10 to 50)		
	Heating			-15 to 75 (-26 to 24)		
Capacity	Cooling	Rated	kW	5.28		
			Btu/h	18,000		
		Min.—Max.	kW	1.79—6.15		
			Btu/h	6,100—21,000		
	Heating	Rated	kW	6.42		
			Btu/h	22,000		
		Min.—Max.	kW	1.99—7.33		
			Btu/h	6,800—25,000		
	Heating (17°F)*2	Rated	kW	4.34		
			Btu/h	14,800		
		Min.—Max.	kW	1.38—6.68		
			Btu/h	4,700—22,800		
	Heating (5°F)*3	Rated	kW	6.45		
			Btu/h	22,000		
		Min.—Max.	kW	1.14—6.45		
			Btu/h	3,900—22,000		
	Heating (-15°F)	Min.—Max.	kW	0.73—3.53		
			Btu/h	2,500—12,060		
Input Power	Cooling	Rated	kW	1.33	1.38	—
		Max.		1.74	1.84	—
	Heating	Rated		1.47	1.7	—
		Max.		1.67	1.95	—
	Heating (17°F)*2	Rated		1.34	1.5	—
		Max.		2.59	2.86	—
	Heating (5°F)*3	Rated		2.96	3.22	—
		Max.		2.96	3.22	—
	Heating (-15°F)	Min.		0.4	0.41	—
		Max.		1.75	1.9	—
Current	Cooling	Rated	A	6	6.2	6.1
	Heating	Rated		6.6	7.6	7.1
Starting Current			A	7.6		
Maximum Operating Current *4			A	15.5		
Power Supply	Voltage		V	208/230		
	Available Voltage Range		V	187—253		
	Frequency		Hz	60		
Minimum Circuit Ampacity (MCA)			A	19.9		
Maximum Circuit Breaker			A	20		
Outdoor Fan	Airflow Rate	Cooling	CFM (m3/h)	1,413 (2,400)		
		Heating		1,336 (2,270)		
	Type × Qty			Propeller × 1		
Motor Output			W	49		
Outdoor Sound Pressure Level *5	Cooling		dB (A)	47		
	Heating			49		
Refrigerant	Type			R32		
	Charge		lb (g)	3 lb 1 oz (1,400)		
Refrigerant Oil	Type			RmM68AF		
	Amount		in3 (cm3)	48.8 (800)		

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System name				18KWAH2		
Outdoor Dimensions (H × W × D)		Net	in (mm)	34-13/16 × 32-5/16 × 12-3/8 (884 × 820 × 315)		
		Gross		41-5/8 × 40-7/16 × 17-1/2 (1,058 × 1,027 × 445)		
Outdoor Weight		Net	lb (kg)	117 (53)		
		Gross		137 (62)		
Connection Pipe	Size × Qty	Liquid	in (mm)	Ø1/4 (Ø6.35) × 2		
		Gas		Ø3/8 (Ø9.52) × 2		
	Method			Flare		
	Pre-Charge Length (Total)			ft (m)	98 (30)	
	Min. Length	Total			33 (10)	
		Each			16 (5)	
	Max. Length	Total			164 (50)	
		Each			82 (25)	
	Max. Height Difference	Between outdoor unit and each indoor units			49 (15)	
		Between indoor units			33 (10)	
Additional Charge			oz/ft (g/m)	0.22 (20)		
Power Factor	Cooling	Rated	%	96.4	—	—
	Heating			96.8	—	—

#### NOTES:

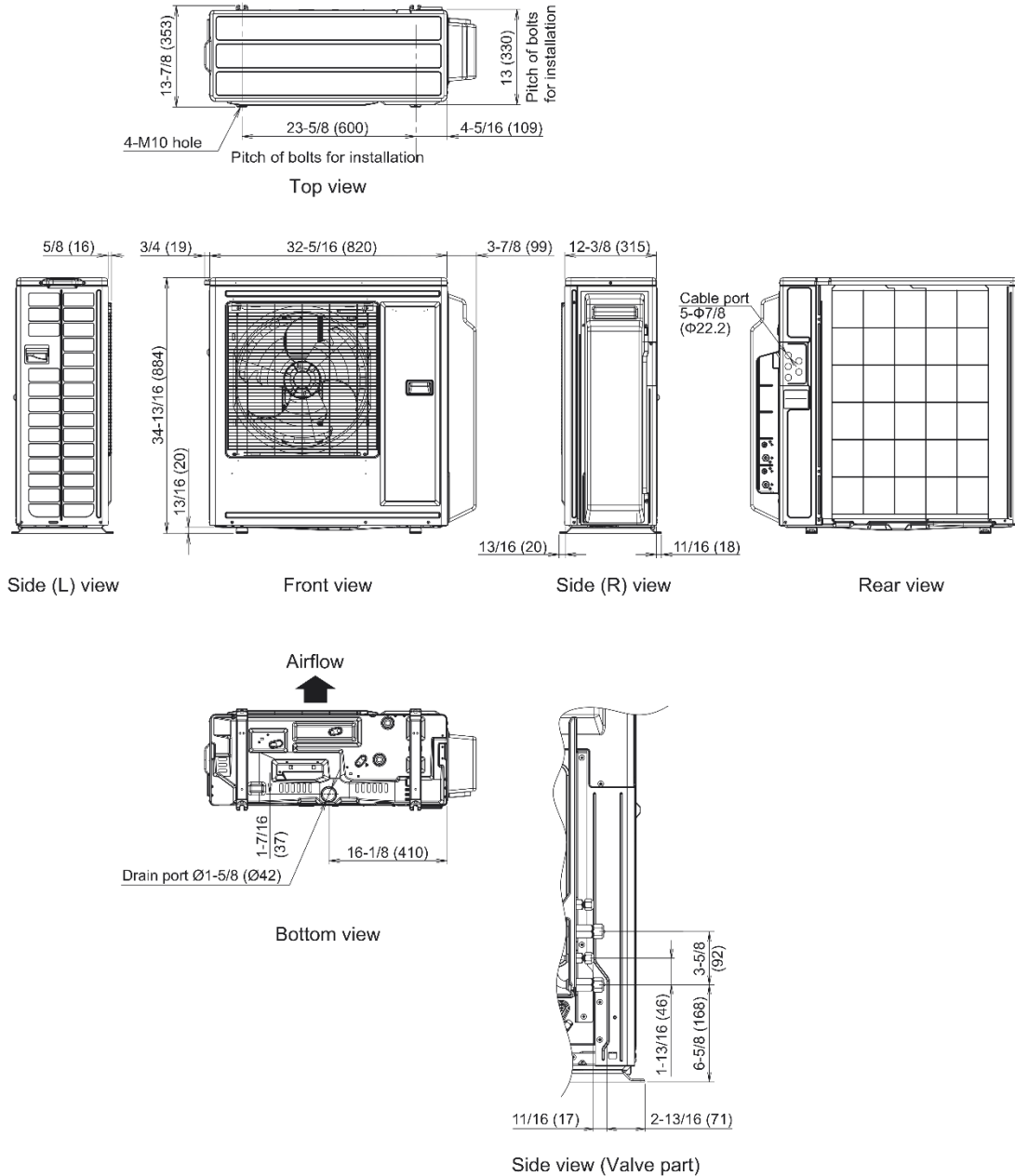
- \*1: ES = Energy Star, ESCC = Energy Star Cold Climate, ESME= Energy Star Most Efficient
- Specifications are based on the following conditions:
  - Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°FWB (19.4°CWB), and outdoor temperature of 95 °FDB (35°CDB)/75°FWB (23.9°CWB).
  - Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 47 °FDB (8.3°CDB)/43°FWB (6.1°CWB).
  - \*2: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB) /60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB) /15°FWB (-9.44°CWB).
  - \*3: Heating (5°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).
  - Test conditions are based on AHRI 210/240 2023.
  - Pipe length: 25 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- \*4: Maximum current:
  - The maximum value when operated within the operation range.
  - The total current of indoor unit and outdoor unit.
- \*5: Sound pressure level:
  - Measured values in manufacturer's semi-anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

System continues to operate below rated outdoor operation temperature range, subject to varying conditions. System has no low temperature cut out. Capacity is not tested outside of the rated temperature range.

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## OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



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## MULTI-ZONE ALLOWABLE COMBINATIONS:

2-unit multi-split outdoor unit: AOUH18KWAS2 or AOUH18KWAH2			
Combination no.	Indoor unit		Total
	Unit 1	Unit 2	
	(kBtu class)		
1	7	7	14
2	7	9	16
3	7	12	19
4	7	15	22
5	9	9	18
6	9	12	21
7	9	15	24
8	12	12	24

**NOTE:** Up to 1 Mid Static Ducted or Multi Position Air Handling Unit can be connected to the combination.

## COMPATIBLE INDOOR UNIT MODELS:

Nominal Capacity (Btu/h)	Wall Mounted	Slim Ducted	Comp. Cassette	Multi Position AHU	Mid-Static Ducted
7000	ASUH07KPAS	ADUH07KUAS	ACUH07KUAS	--	--
9000	ASUH09KPAS	ADUH09KUAS	ACUH09KUAS	--	--
12000	ASUH12KPAS	ADUH12KUAS	ACUH12KUAS	AMUH12KUAS	ARUH12KUAS
15000	ASUH15KPAS	--	--	--	--