



Floating Air™ | PRESTIGE® Single-Zone Ductless Mini-Split Systems

WALL-MOUNTED, SINGLE-ZONE HEAT PUMPS

PURCHASER		P.O. #	DATE
PROJECT		LOCATION	
ENGINEER		ARCHITECT	
SUBMITTED BY		FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	RHEEM MODEL

Key Features

Indicates sustainability feature

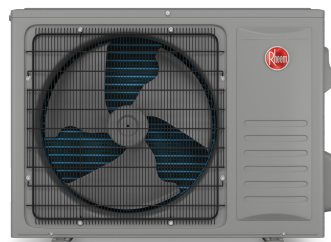
- **FastPro®** design for the fastest access for maintenance of any wall-mounted ductless systems
- Precision Inverter® technology (variable speed compressor)
- Soft-Start™ compressor
- BLDC motor
- Built-in Wi-Fi on indoor models
- Sleep mode
- All ENERGY STAR® certified models
- All ENERGY STAR® Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
- Extreme cold climate heat pump performance: 100% of rated capacity at 5°F
- Extreme low ambient heat pump operation
- Wireless Remote
- Ultra quiet operation

FEATURING **FastPro®** DESIGN

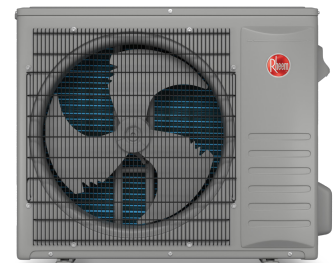


- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D



FLOATING AIR™ PRESTIGE® | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

MODEL	Model Set	Unit	FXHW093D	FXHW123D	FXHW183D	FXHW243D
	Indoor Model		FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
	Outdoor Model		FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D
	Power Supply		208V/230V~, 60Hz, 1P			
COOLING	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y
	ENERGY STAR - Cold Climate	Y/N	Y	Y	Y	Y
	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	4,600-12,700	4,600-12,700	7,800-22,000	10,000-28,000
	EER2 @ 95°F	Btu/h/W	12.00	12.00	12.00	12.00
HEATING	SEER2	Btu/h/W	22.00	22.00	21.00	21.00
	Cooling Operating Range	°F	5°F-125°F	5°F-125°F	5°F-125°F	5°F-125°F
	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	5,500-16,000	5,500-16,000	7,800-23,000	6,700-30,000
	COP2 @ 47°F	W/W	12.00	12.00	3.66	3.52
INDOOR AIRFLOW	COP @ 5°F	W/W	1.80	1.80	1.80	1.80
	HSPF2	Btu/h/W	10.50	10.50	10.00	10.00
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	6,500	8,700	14,100	19,100
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000
	Maximum Heating Capacity @ -13F (-25°C)	Btu/h	8,400	8,400	12,600	16,200
	(-25°C) Heating Operating Range	°F	-22°F-75°F	-22°F-75°F	-22°F-75°F	-22°F-75°F
	Air Circulation (Max/H/M/L) Sound Rating	ft3 CFM	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
INDOOR FAN MOTOR	- Indoor (Max/H/M/L/Quiet)	dB (A)	42/39/37/35/32	42/39/37/35/32	48/45/41/39/36	50/48/43/41/39
	Output	W	25	25	35	35
OUTDOOR AIRFLOW	Speed (Hi/Med/Lo)	r/min	1101/938/800	1154/992/800	1100/960/800	1200/1040/880
	Air Circulation (Hi) for Outdoor	ft3 CFM	1,354	1,354	1,853	2,235
FAN MOTOR	Sound Rating - Outdoor (Hi)	dB (A)	64.0	64.0	68.0	71.0
	Output	W	40	40	60	110
ELECTRICAL	Speed (Hi)	r/min	880	880	880	870
	Rated Current	Cooling (A)	3.9	4.5	6.7	8.9
		Cooling (W)	750	1,000	1,500	2,000
		Heating (A)	3.9	4.5	6.4	8.5
		Heating (W)	750	1,000	1,440	2,069
MOP (Rating of Overcurrent Protective Device)	A	20	20	25	30	
MCA (Minimum Circuit Ampacity)	A	12.0	12.0	16.0	22.0	
Communication Wire Size and Type		4 x 18AWG	4 x 18AWG	4 x 18AWG	4 x 18AWG	
REFRIGERATION (R454B)	Moisture Removal	pints/hr	2.4	3.7	4.2	6.3
	Refrigerant Charge Volume	oz.	38.1	38.1	56.4	74.1
	Liquid Pipe	in.	0.25	0.25	0.25	0.375
	Gas Pipe	in.	0.375	0.375	0.5	0.625
	Max. Pipe Length (Total)	ft.	130.0	130.0	150.0	165.0
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50.0	50.0	80.0	100.0
	Pre-charge Pipe Length	ft.	25.0	25.0	25.0	25.0
	Additional Refrigerant Charge per Foot after 25 ft.	oz./ft.	0.16	0.16	0.16	0.38
INDOOR UNIT	Dimension (W×H×D)	in.	33-7/8×11-2/8×8-4/8	33-7/8×11-2/8×8-4/8	45-2/8×13-2/8×10-1/8	45-2/8×13-2/8×10-1/8
		mm	860×285×216	860×285×216	1,148×336×256	1,148×336×256
	Packing (L×H×W)	in.	36-5/8×15×11-2/8	36-5/8×15×11-2/8	47-7/8×16-1/8×13	47-7/8×16-1/8×13
		mm	930×380×285	930×380×285	1,215×410×330	1,215×410×330
	Net Weight	lbs.	22.1	22.05	34.2	34.2
		kg	10.0	10.0	15.5	15.5
Shipping Weight	lbs.	26.5	26.5	39.7	39.7	
	kg	12.0	12.0	18.0	18.0	
OUTDOOR UNIT	Dimension (W×H×D)	in.	31-7/8×22-7/8×11	31-7/8×22-7/8×11	33-7/8×26-3/8×12-1/4	35-3/8×29-1/2×13-3/8
		mm	810×580×280	810×580×280	860×670×310	900×750×340
	Packing (L×H×W)	in.	37×16-1/2×25-1/4	37×16-1/2×25-1/4	39×17-3/4×28-3/4	41×32-5/8×18-1/8
		mm	940×420×640	940×420×640	990×450×730	1,040×830×460
	Net Weight	lbs.	79.4	79.4	97.0	116.8
		kg	36.0	36.0	46.0	53.0
Shipping Weight	lbs.	86.0	86.0	105.8	125.7	
		kg	39.0	39.0	50.0	57.0

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.



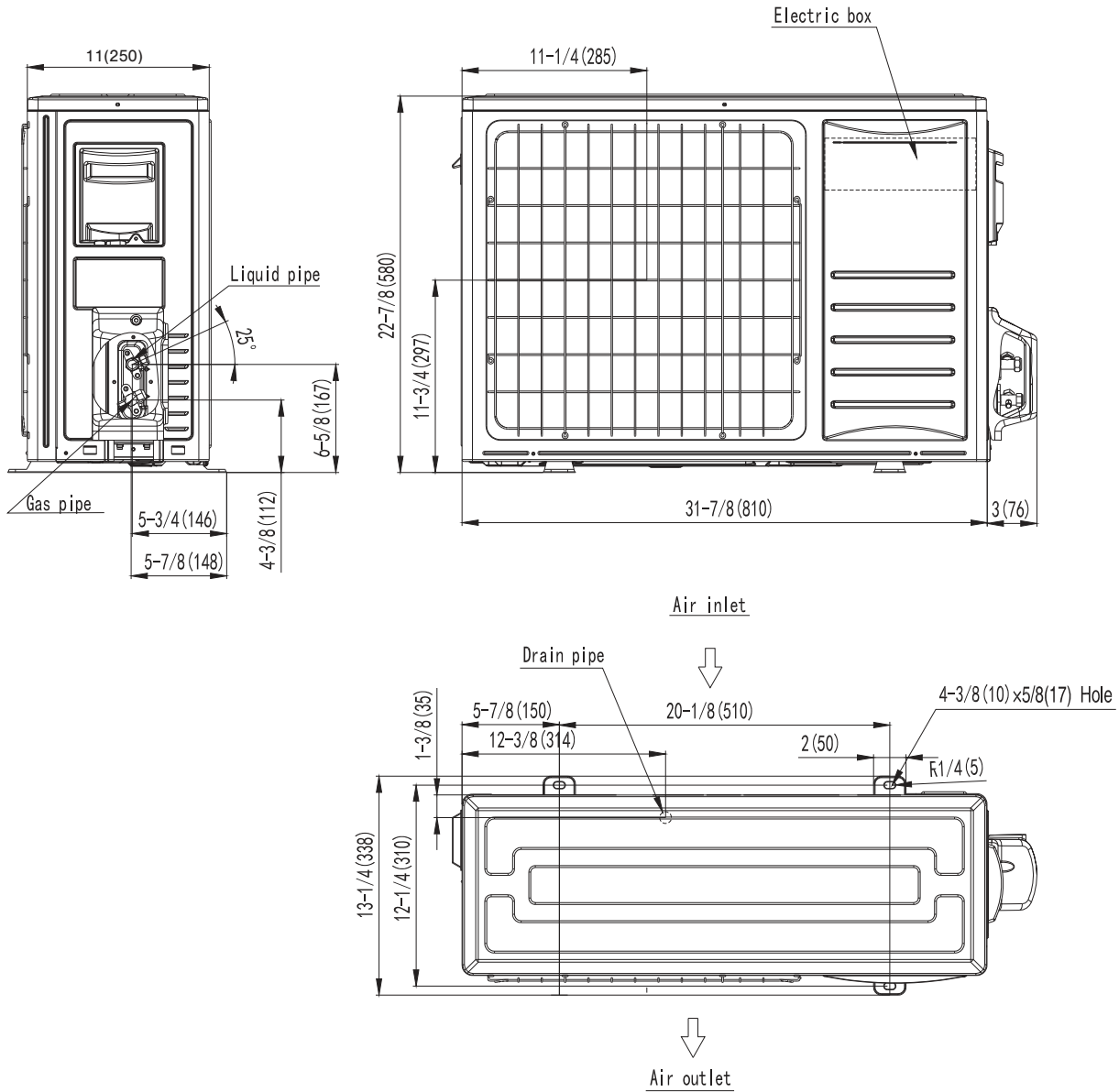
Standard

With Registration

DIMENSIONAL DRAWINGS

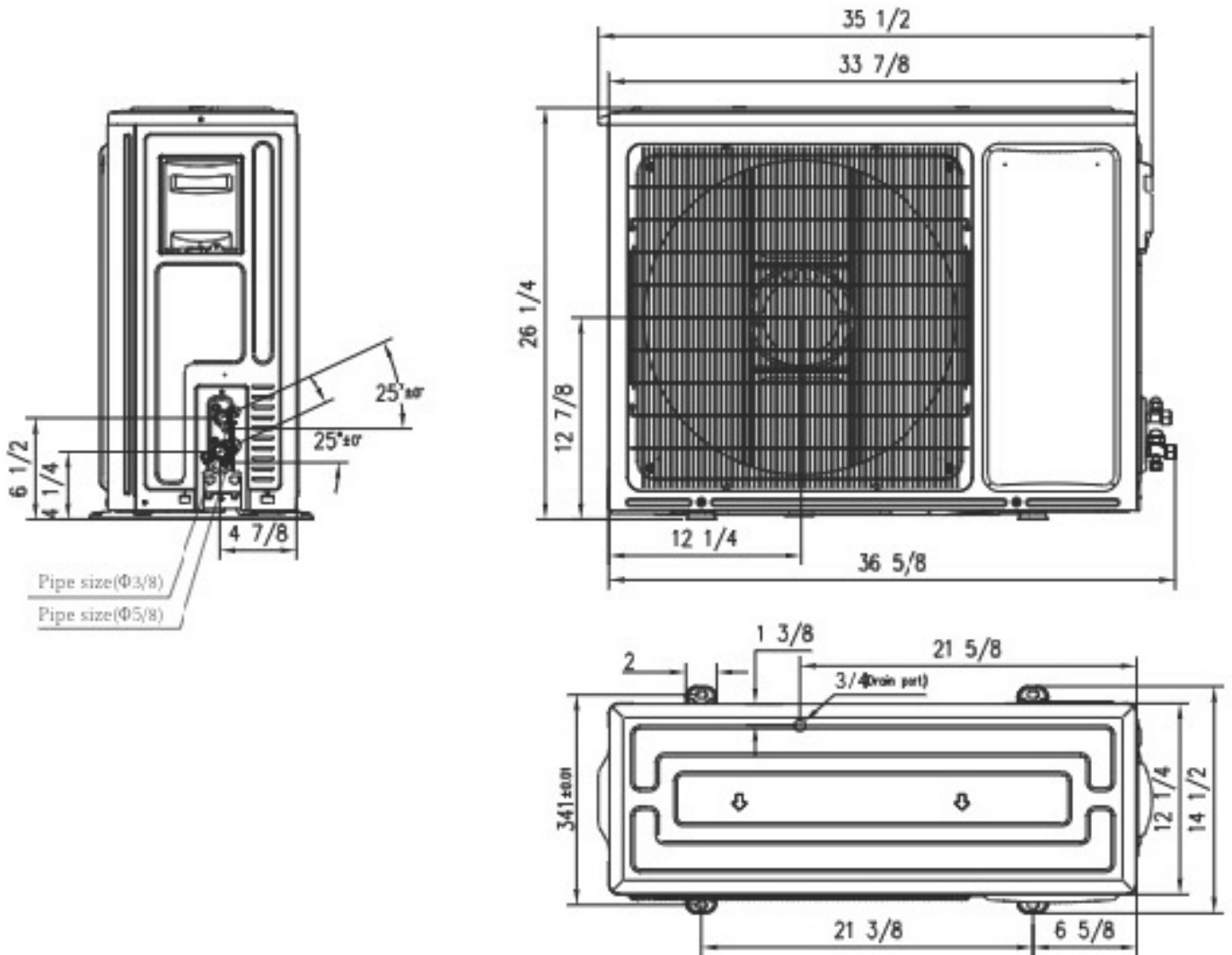
OUTDOOR UNITS / FPHFR09A3D, FPHFR12A3D

UNITS: INCHES (MM)



DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP OUTDOOR UNIT / FPHFR18A3D

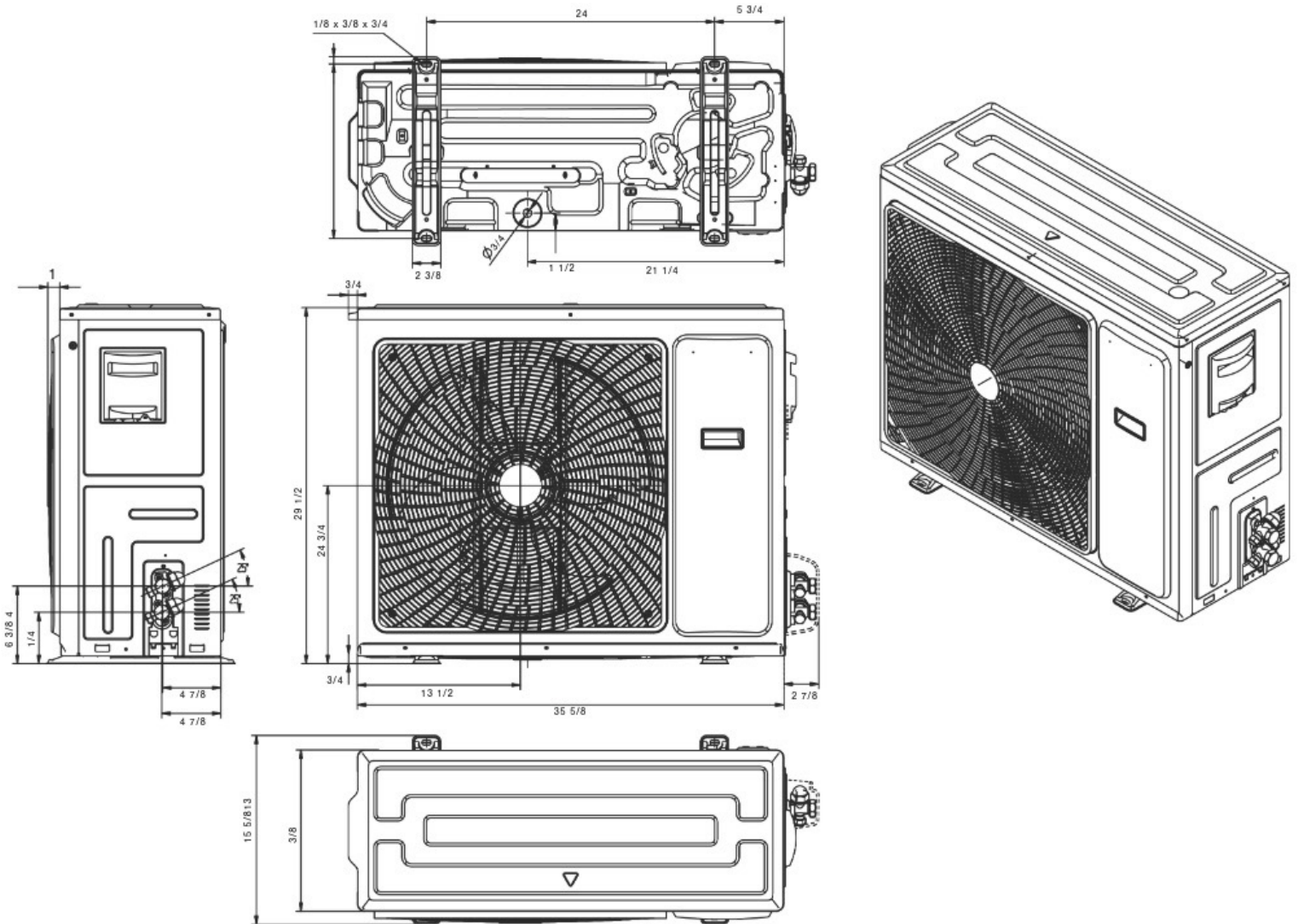
UNITS: INCHES (MM)



DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP

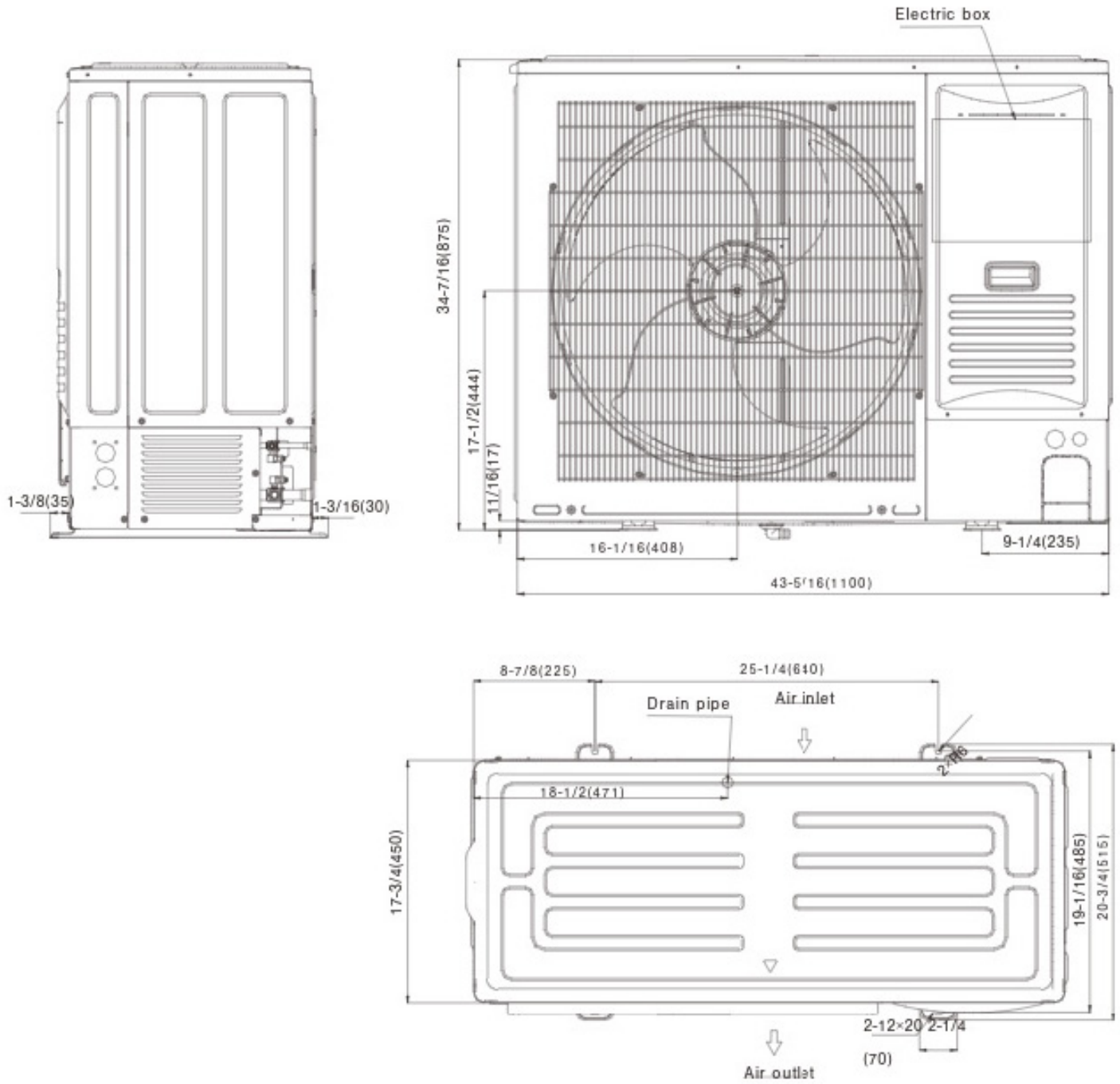
OUTDOOR UNIT / FPHFR24A3D

UNITS: INCHES (MM)



DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP OUTDOOR UNIT / FPHFR24A3D

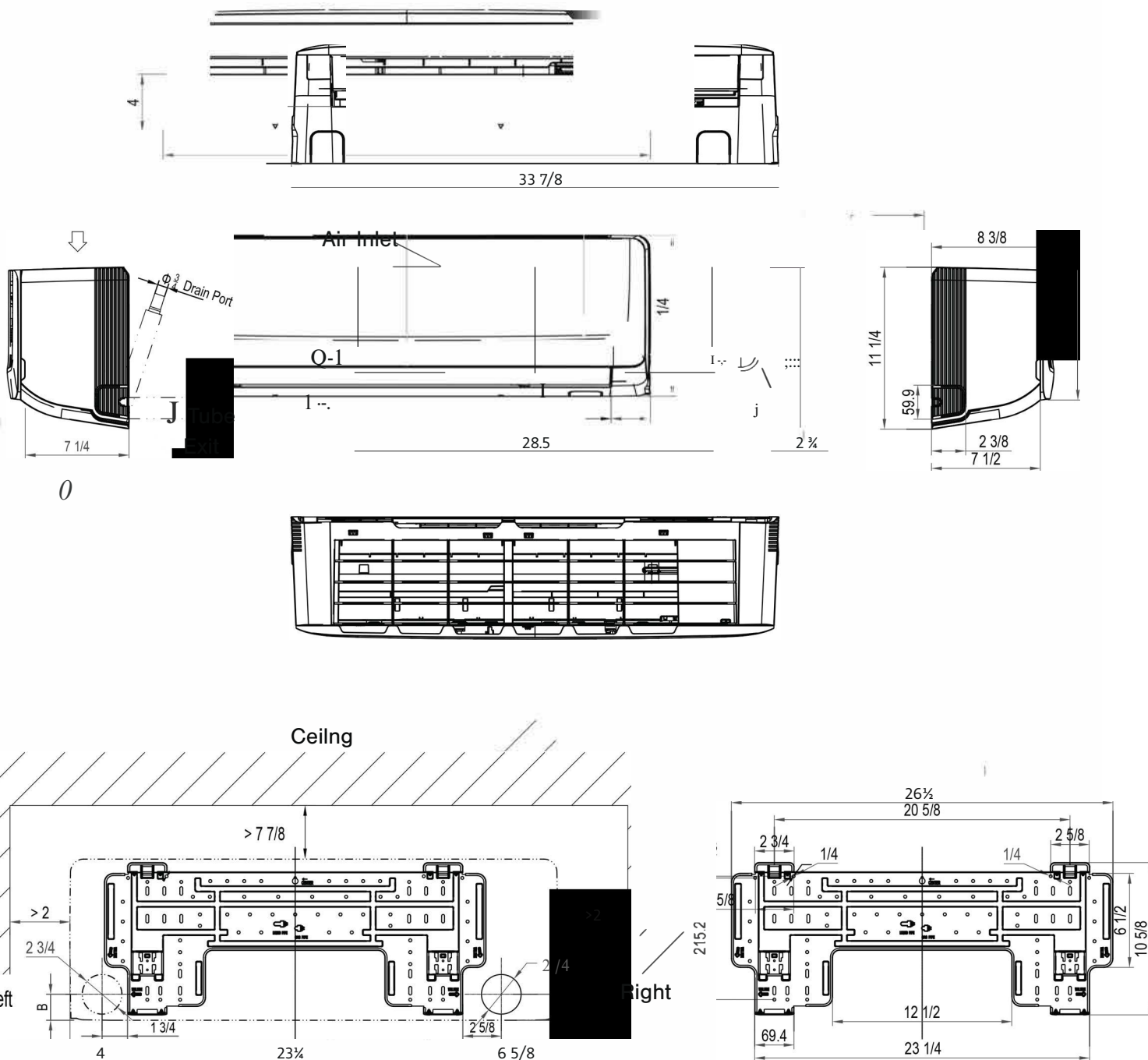
UNITS: INCHES (MM)



DIMENSIONAL DRAWINGS: WALL-MOUNTED HEAT PUMP

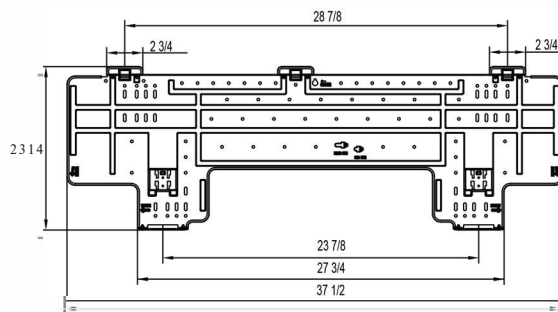
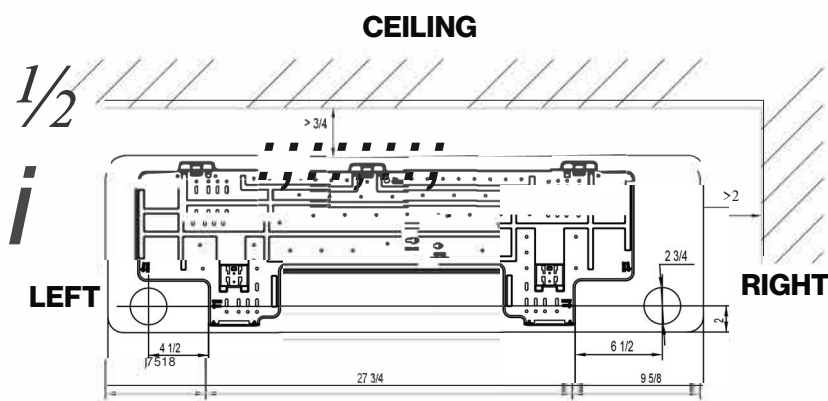
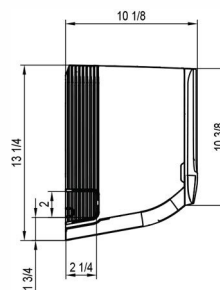
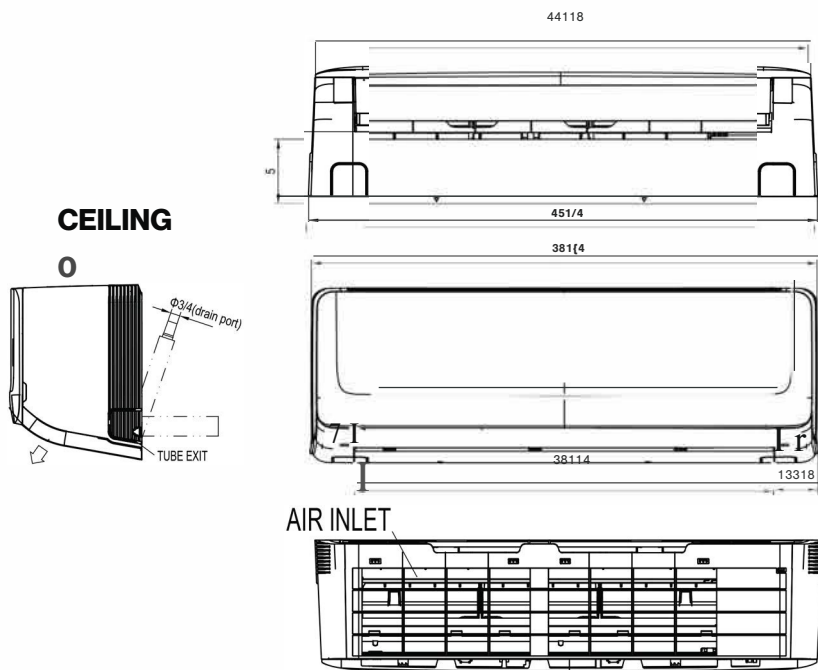
INDOOR UNITS / FAHFW09A3D, FAHFW12A3D

UNITS: INCHES (MM)



DIMENSIONAL DRAWINGS: WALL-MOUNTED HEAT PUMP INDOOR UNITS / FAHFW18A3D, FAHFW24A3D

UNITS: INCHES (MM)



REFRIGERATION LINE SETS*

MULTI-ZONE

Kit#	Length (ft.)	Liquid	Suction	System Model
T32150	15'	1/4"	3/8"	FPHMR18A3D, FPHMR27A3D, FPHMR36A3D, FPHMR42A3D
T32350	35'	1/4"	3/8"	

*Insulated line sets are available for all Rheem split systems in 15 ft. and 35 ft. lengths. Each line set is equipped with flare nuts on both ends. Both liquid and suction lines are insulated. Line sets can be joined together with field supplied double male connectors. Each system requires one line set for each indoor unit installed.

REFRIGERATION LINE SETS MIN./MAX. LENGTHS

System Model	Min. (ft.)	Max. Each/ Total(ft.)
FPHMR18A3D	25	82/164
FPHMR27A3D	25	66/230
FPHMR36A3D	25	66/230
FPHMR42A3D	25	66/262

TORQUE WRENCH SETTINGS

Outside Diameter		Torque	
mm	inch	ft.-lbs.	N-m
6.35	1/4	13 – 18	17.6 – 24.5
9.52	3/8	25 – 30	33.3 – 41.2
12.7	1/2	40 – 47	53.9 – 64.7
15.88	5/8	45 – 59	61.7 – 80.4

ACCESSORIES



FPWC1 – Optional hard-wired controller for Floating Air wall-mounted and cassette indoor models. Included with concealed ducted models. Not compatible with AHU indoor models. See your Rheem representative for options.



DSSXEMWRTA4 – Optional wireless energy management thermostat with occupancy sensor. For Floating Air *Classic Plus*® Series, single- and multi-zone models.



ADS01 – Optional A2L sensor for Floating Air FAHMMW07A3D, FAHFW09A3D, and FAHFW12A3D 230V indoor wall-mounted. See Installation and Operational Manual for additional information & requirements.



FreshAire Purifier APWM1 by iWave® – Optional accessory for all wall-mounted ductless models that kills mold, bacteria and viruses—while effectively removing odors and VOCs.