FRIEDRICH

Floating Air™ Pro X 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	FRIEDRICH MODEL

Key Features

Indicates sustainability feature

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

FEATURING OUR ***FastPro***® DESIGN





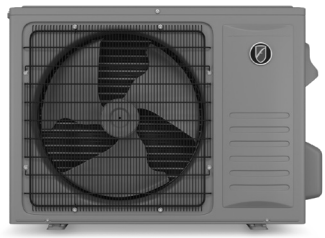
FAHFW09A3D, FAHW12A3D,
FAHFW18A3D, FAHFW24A3D

HIGH EFFICIENCY
HEATING & COOLING

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

works with Google Home

works with alexa



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D

PRECISION INVERTER® | ComfortPRO MOBILE APP | DIAMONDBLUE™ Advanced Corrosion Protection | FreshAire® IAQ READY | ENERGY STAR | ENERGY STAR COLD CLIMATE

FLOATING AIR™ PRO X | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

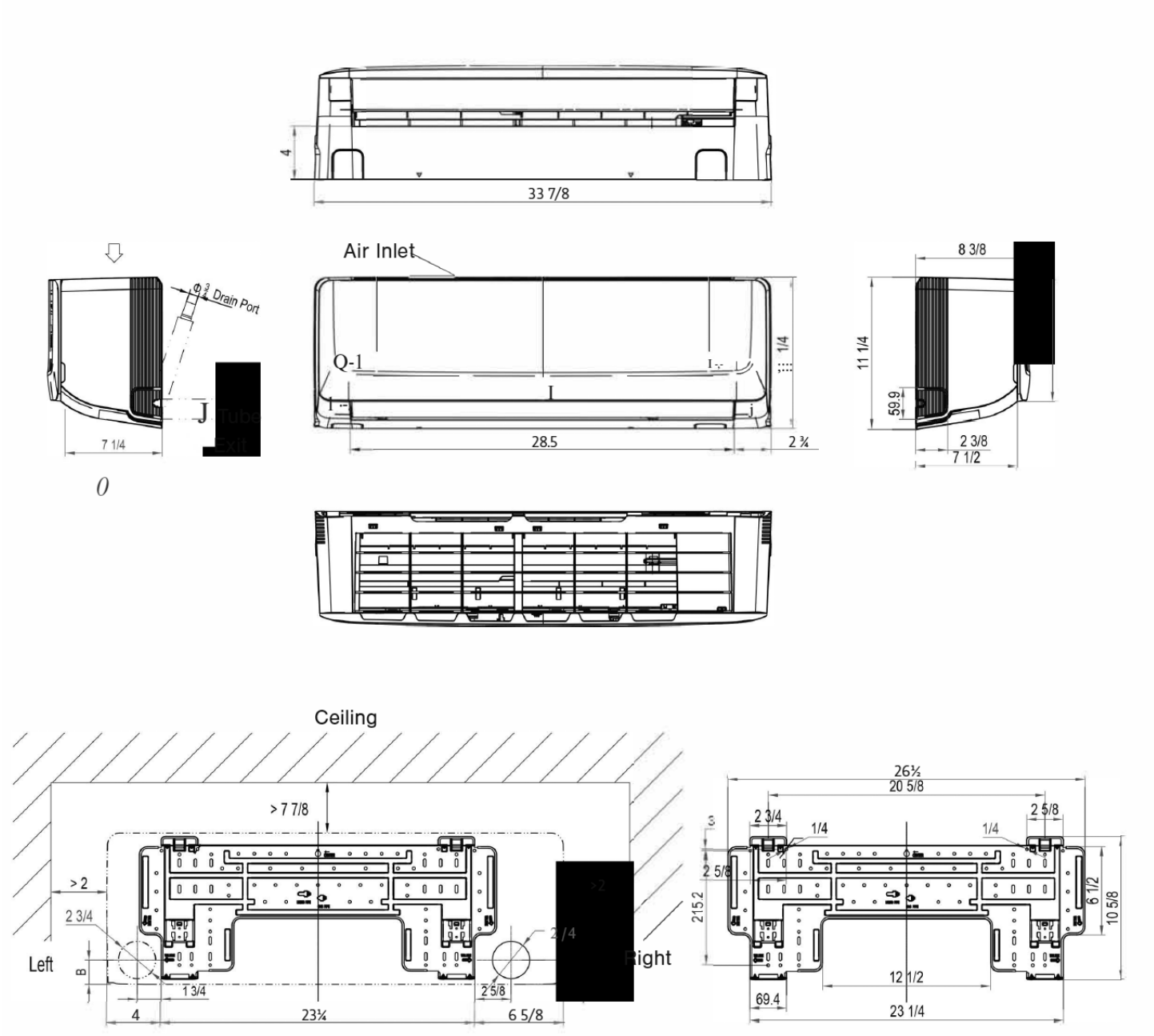
MODEL	**Model Set**	**Unit**	**FXHW093D**	**FXHW123D**	**FXHW183D**	**FXHW243D**
	Indoor Model		**FAHFW09A3D**	**FAHFW12A3D**	**FAHFW18A3D**	**FAHFW24A3D**
	Outdoor Model		**FPHFR09A3D**	**FPHFR12A3D**	**FPHFR18A3D**	**FPHFR24A3D**
	Power Supply	V/Hz/ph	208V/230V~, 60Hz, 1P			
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y
COOLING	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
	SEER2	Btu/h/W	22.00	22.00	21.00	21.00
	Cooling Operating Range (Min.–Max.)	°F	5–125	5–125	5–125	5–125
HEATING	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
	COP @ 47°F	W/W	12.00	12.00	3.66	3.52
	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 @ -13°F (-25°C)	Btu/h	8,400	8,400	12,600	16,200
	Heating Operating Range (Min.–Max.)	°F	-22–75	-22–75	-22–75	-22–75
INDOOR AIRFLOW	Air Circulation (Max./H/M/L)	ft^3 CFM	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
	Sound Rating – 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
INDOOR FAN MOTOR	Output	W	25	25	35	35
	Speed (High/Med/Low)	r/min	1,100/938/800	1,154/992/800	1,100/960/800	1,200/1,040/880
OUTDOOR AIRFLOW	Air Circulation (High) for Outdoor	ft^3 CFM	1,354	1,354	1,853	2,235
	Sound Rating – Outdoor	dB(A)	64.0	64.0	68.0	71.0
OUTDOOR FAN MOTOR	Output	W	40	40	60	110
	Speed (High)	r/min	880	880	880	870
ELECTRICAL	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 × 14AWG	4 × 14AWG	4 × 14AWG	4 × 14AWG
REFRIGERATION (R-454B)	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.	1/4	1/4	1/4	3/8
	Gas Pipe	in.	3/8	3/8	1/2	5/8
	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 DIMENSIONS & WEIGHTS	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 DIMENSIONS & WEIGHTS	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

Standard **With Registration**

7 YR. PARTS WARRANTY · 10 YR. COMPRESSOR WARRANTY · 10 YR. PARTS WARRANTY · 10 YR. COMPRESSOR WARRANTY

DIMENSIONAL DRAWINGS: WALL-MOUNTED HEAT PUMPS

INDOOR UNITS/ FAHFW09A3D, FAHFW12A3D

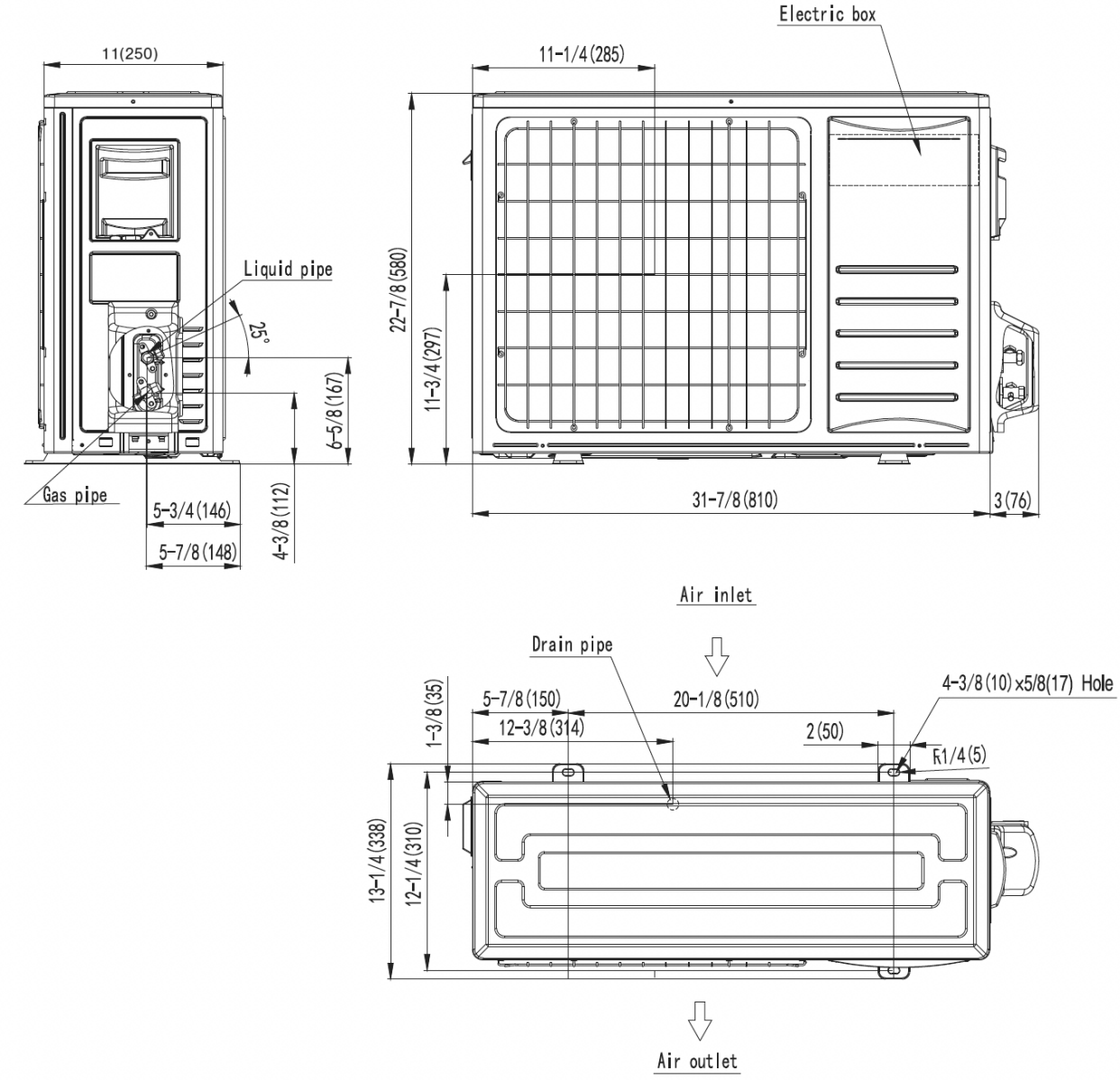


Model	W	H	D
FAHFW09A3D, FAHFW12A3D	33 7/8"	11 2/8"	8 3/8"

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMPS

OUTDOOR UNITS/ FPHFR09A3D, FPHFR12A3D

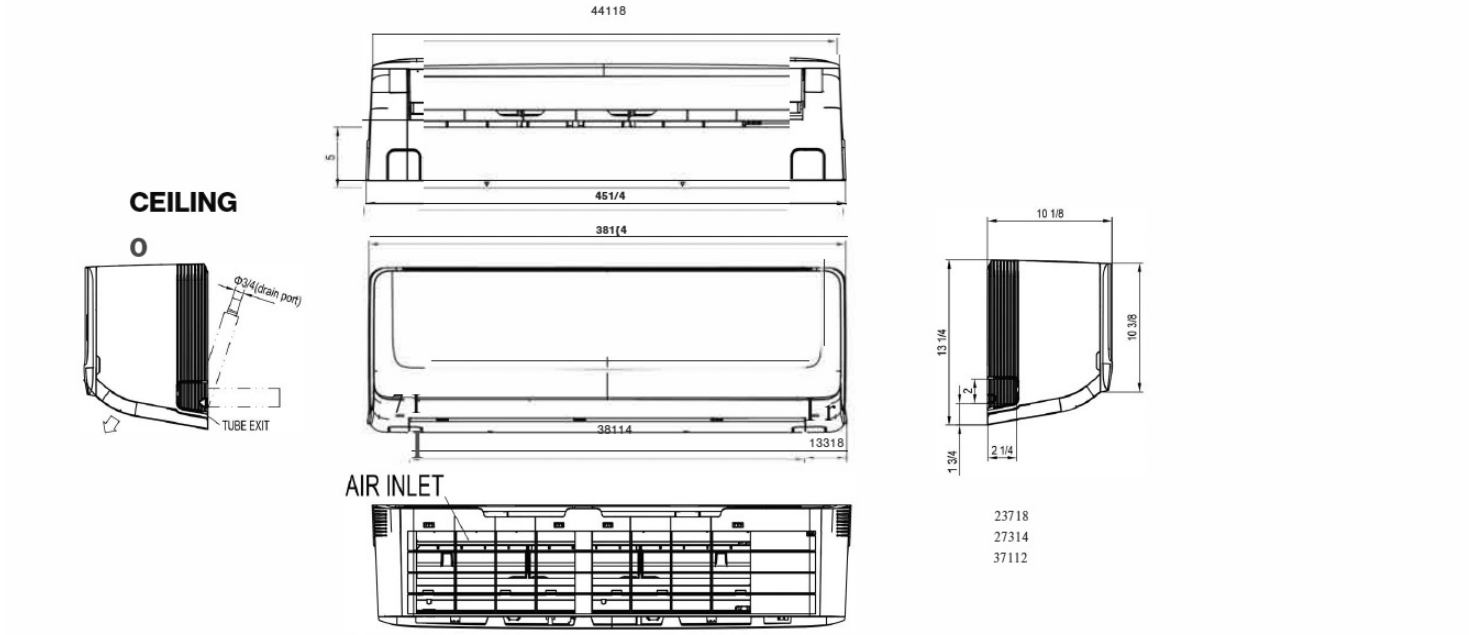


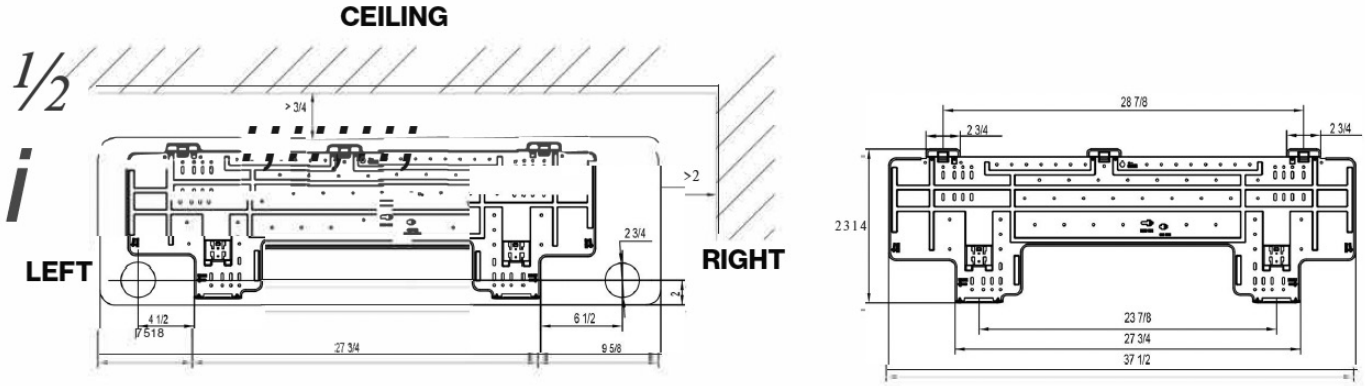
Model	W	H	D
FPHFR09A3D, FPHFR12A3D	31 7/8"	22 7/8"	12 2/8"

UNITS: INCHES

DIMENSIONAL DRAWINGS: WALL-MOUNTED HEAT PUMPS

INDOOR UNITS/ FAHFW18A3D, FAHFW24A3D



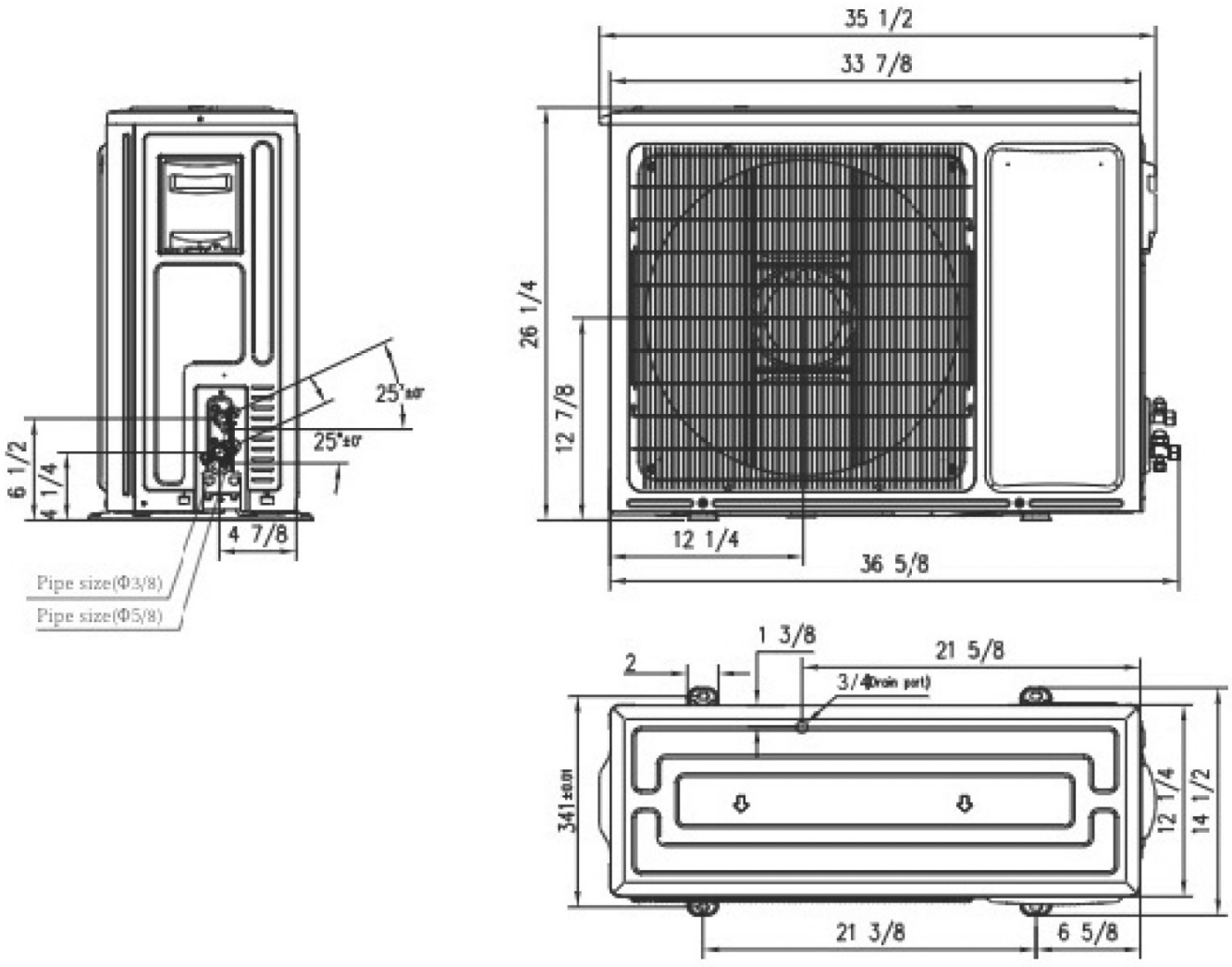


Model	W	H	D
FAHFW18A3D, FAHFW24A3D	45 1/4"	10 1/8"	13 1/4"

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMPS

OUTDOOR UNITS/ FPHFR18A3D

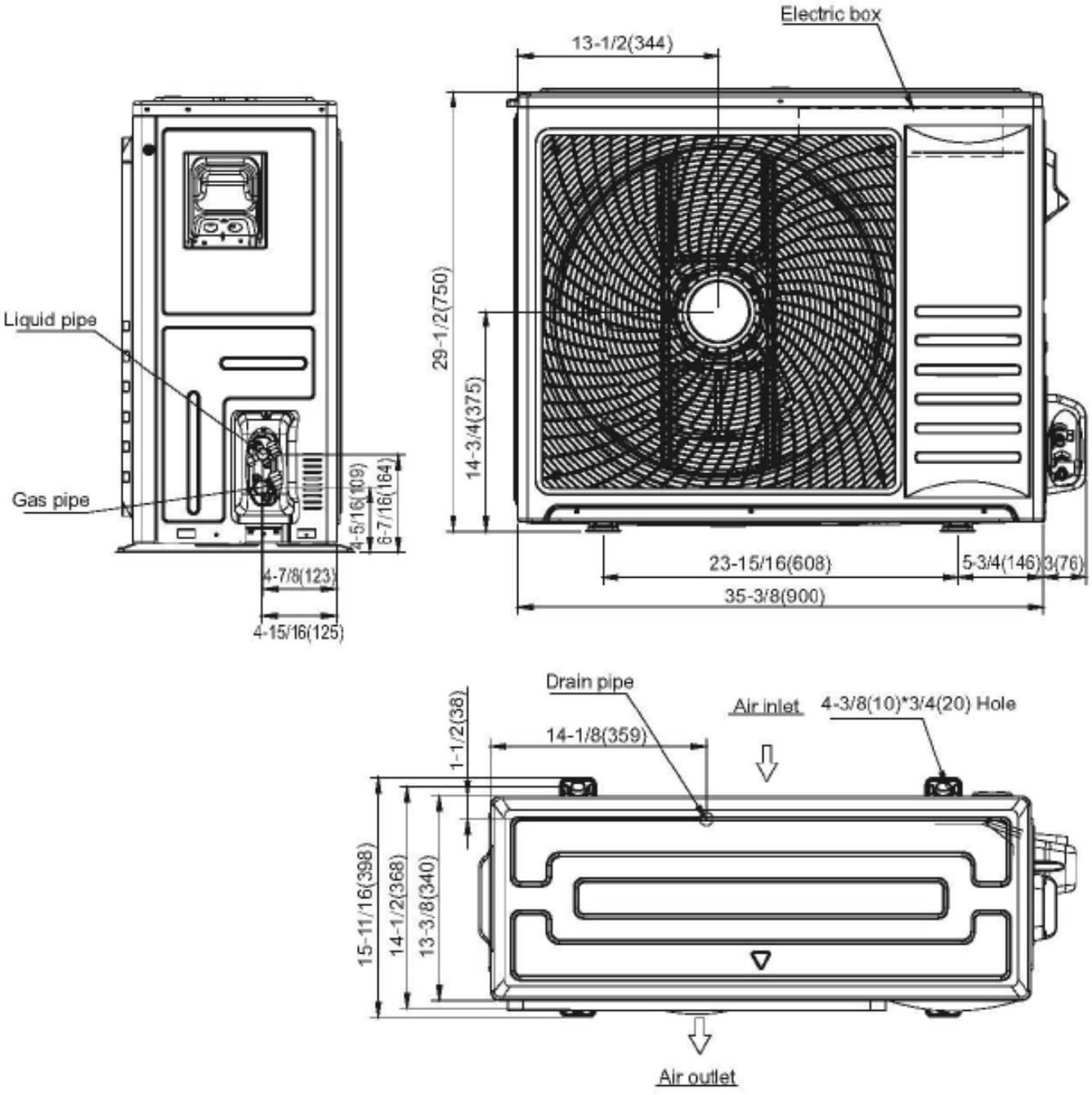


Model	W	H	D
FPHFR18A3D	33 7/8"	26 2/8"	12 2/8"

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMPS

OUTDOOR UNITS/ FPHFR24A3D



Model	W	H	D
FPHFR24A3D	35 5/8"	29 1/2"	13 3/8"

UNITS: INCHES

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 Friedrich representative for options.



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.



DSSXEMWRTA4 – Optional wireless energy management thermostat with occupancy sensor. For Floating Air Pro, single- and multi-zone models. See your Friedrich representative for options.



ADS01 – Field-installed A2L sensor for Floating Air R-454B wall-mounted applications.

ADS02 – Field-installed A2L sensor for Floating Air R-32 wall-mounted applications. Seee Installation and Operational Manual for additional information & requirements.