

Floating Air® Pro Ductless 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

Features

- Precision Inverter® technology (variable speed compressor)
- Soft start compressor
- BLDC motor
- High efficiency for low operating cost
- DiamonBlue Advanced Corrosion Protection®
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- Surge Cool/Heat
- Natural air flow
- Ultra quiet operation
- Sleep mode
- Auto restart
- Auto changeover
- 24-hour on/off timer
- ENERGY STAR® qualified model
- Hidden display (only visible during operation)

OPERATION IN EXTREME CONDITIONS

- Low ambient operation down to 5° F (Cooling mode)
- Low ambient operation down to -4° F (Heating mode)



FPHFW18A3A, FPHFW24A3A, FPHSW36A3A, FPHFW18A3B, FPHFW24A3B, FPHSW36A3B



Built-in Wi-Fi for control anytime, anywhere

- Easy to use FriedrichGo™ app
- Control with smartphone
- Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE CONTROL







SPECIFICATIONS

SYSTEM MODEL NO.	PERFORMANCE RATINGS			230/208 volt models		
OUTDOOR MODEL FPISRIBAJA FPISRIBAJA FPISRIBAJA SPECIFICATIONS	SYSTEM MODEL NO.		FPHW183A	FPHW243A	FPHW363B	
SPECIFICATIONS	INDOOR MODEL		FPHFW18A3B	FPHFW24A3B	FPHSW36A3C	
CAPACITY COOLING IRATED Btu 18000 23500 35000 CAPACITY COULING MIN - MAX Btu 18000 28001-28500 12000-38000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 200000 200000 200000 200000 200000 200000 20000 20000 20000 20000 200000 200000 200000 200	OUTDOOR MODEL		FPHSR18A3A	FPHSR24A3A	FPHSR36A3B	
CAPACITY COOLING MIN - MAX	SPECIFICATIONS			,	,	
CAPACITY HEATING [RATED] @ 47°F	CAPACITY COOLING (RATED)	Btu	18000	23500	35000	
CAPACITY HEATING (RATED) ● 17°F	CAPACITY COOLING MIN - MAX	Btu	6500-19500	8000-26500	12000-38000	
CAPACITY HEATING MIN - MAX	CAPACITY HEATING (RATED) @ 47°F	Btu	19000	26000	35000	
SENSIBLE HEAT RATIO	CAPACITY HEATING (RATED) @ 17°F	Btu	11600	14500	TBD	
COP	CAPACITY HEATING MIN - MAX	Btu	6500-20000	8000-26500	12000-38000	
HSPF	SENSIBLE HEAT RATIO		80%	76%	79%	
SEER	COP		3.40	3.05	3.05	
ENERGY STAR	HSPF		11.6	10.5	8.8	
MISTURE REMOVAL	SEER		23.3	21.0	16.4	
MOISTURE REMOVAL	EER		13.0	12.5	8.6	
AIRFLOW (HIGH/MED/LOW/QUIET)	ENERGY STAR		YES	YES	_	
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET) dB-A 45/41/37/34 47/42/38/33 50/45/40/38 SOUND RATING - OUTDOOR dB-A 55 58 60 OUTDOOR dB-A 55 58 58 59 OUTDOOR dB-A 50 50 50 50 50 50 50 5	MOISTURE REMOVAL	Pts/h	3.2	5.1	6.8	
SOUND RATING - OUTDOOR dB-A 55 58 60	AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	618/565/482/382	735/665/559/441	1030/824/706/588	
OPERATING RANGE (HEATING) °F -4°-75° -4°-75° -4°-75° OPERATING RANGE (COOLING) °F 5°-115° 5°-115° 5°-115° EST. YEARLY OPERATING COST U.S.\$ \$124 \$169 \$290 EECTRICAL DATA POWER SOURCE V-Hz-Phase 230/208-60-1 30 36 250 250 30 35 25 25 20 30 35	SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	45/41/37/34	47/42/36/33	50/45/40/38	
OPERATING RANGE (COOLING) °F 5°-115° 5°-115° 5°-115° EST YEARLY OPERATING COST U.S. \$ \$124 \$169 \$290 ELECTRICAL DATA FURLY OPERATING COST U.S. \$ \$124 \$169 \$290 POWER SOURCE V-Hz-Phase 230/208-60-1 230/208-60-1 230/208-60-1 MIN. AMPACITY A 15 20 30 COOLING WATTS W 1385 1880 4186 COOLING AMPS 6.3 8.3 18.5 HEATING WATTS W 1638 2500 3459 HEATING WATTS W 1638 250 36 35 HEATING WATTS W 1638 250 30 35 POWER AND COMMUNICATION CABLE No.x AWG 4x 14AWG 4x 14AWG 4x 14A	SOUND RATING - OUTDOOR	dB-A	55	58	60	
SET. YEARLY OPERATING COST	OPERATING RANGE (HEATING)	°F	-4° - 75°	-4° – 75°	-4° - 75°	
POWER SOURCE	OPERATING RANGE (COOLING)	°F	5° – 115°	5° – 115°	5° – 115°	
POWER SOURCE	EST. YEARLY OPERATING COST	U.S. \$	\$124	\$169	\$290	
MIN. AMPACITY A 15 20 30 COOLING WATTS W 1385 1880 4186 COOLING AMPS 6.3 8.3 18.5 HEATING WATTS W 1638 2500 3459 HEATING AMPS 7.2 11.1 16 MAX. TD FUSE/BREAKER A 20 30 35 POWER AND COMMUNICATION CABLE No.x AWG 4 x 14AWG 4 x 14AWG 4 x 14AWG REFRIGERATION SYSTEM REFRIGERANT R410a R410a R410a R410a COMPRESSOR TYPE Rotary SUCTION LINE O.D. in 1/4 3/8 3/8 3/8 SUCTION LINE O.D. 5/8 5/8 8 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.	ELECTRICAL DATA		,			
COOLING WAITS W 1885 1880 4186 COOLING AMPS 6.3 8.3 18.5 HEATING WAITS W 1638 2500 3459 HEATING AMPS 7.2 11.1 16 MAX. TD FUSE/BREAKER A 20 30 35 POWER AND COMMUNICATION CABLE No.x AWG 4 x 14AWG 4 x 14AWG REFRIGERATION SYSTEM REFRIGERANT R410a R410a R410a COMPRESSOR TYPE Rotary Rotary Rotary Rotary Rotary CONNECTIONS Flare Flare Flare Flare Flare LIQUID LINE O.D. in 1/4 3/8 3/8 SUCTION LINE O.D. in 1/2 5/8 5/8 REFRIGERANT CHARGE oz. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft <	POWER SOURCE	V-Hz-Phase	230/208-60-1	230/208-60-1	230/208-60-1	
COOLING AMPS 6.3 8.3 18.5 HEATING WATTS W 1638 2500 3459 HEATING AMPS 7.2 11.1 16 MAX. TO FUSE/BREAKER A 20 30 35 POWER AND COMMUNICATION CABLE No.x AWG 4 x 14AWG 4 x 14AWG 4 x 14AWG REFRIGERATION SYSTEM REFRIGERANT R410a R410a R410a R410a COMPRESSOR TYPE Rotary Rotary Rotary Rotary CONNECTIONS Flare Flare Flare Flare Flare Flare Flare LIQUID LINE O.D. in 1/4 3/8 3/8 3/8 3/8 3/8 3/8 SUCTION LINE O.D. in 1/4 3/8 5/8	MIN. AMPACITY	А	15	20	30	
HEATING WATTS W	COOLING WATTS	W	1385	1880	4186	
HEATING AMPS	COOLING AMPS		6.3	8.3	18.5	
MAX. TD FUSE/BREAKER A 20 30 35 POWER AND COMMUNICATION CABLE No.x AWG 4 x 14AWG 4 x 14AWG 4 x 14AWG REFRIGERATION SYSTEM REFRIGERANT R410a R410a R410a R410a COMPRESSOR TYPE Rotary Rotary Rotary Rotary CONNECTIONS Flare Flare <td rows<="" td=""><td>HEATING WATTS</td><td>W</td><td>1638</td><td>2500</td><td>3459</td></td>	<td>HEATING WATTS</td> <td>W</td> <td>1638</td> <td>2500</td> <td>3459</td>	HEATING WATTS	W	1638	2500	3459
POWER AND COMMUNICATION CABLE No.x AWG 4 x 14AWG 4 x 14AWG 4 x 14AWG REFRIGERATION SYSTEM R410a R410a R410a R410a R410a R01arg R01ar	HEATING AMPS		7.2	11.1	16	
REFRIGERATION SYSTEM REFRIGERANT R410a R410a R410a COMPRESSOR TYPE Rotary Rotary Rotary CONNECTIONS Flare Flare Flare LIQUID LINE O.D. in 1/4 3/8 3/8 SUCTION LINE O.D. in 1/2 5/8 5/8 REFRIGERANT CHARGE 0z. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 1/8 x 13 1/8 x 10 50 5/8 X 13 5/8 X 10 1/4 NET WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT w x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141	MAX. TD FUSE/BREAKER	Α	20	30	35	
REFRIGERANT R410a R410a R410a COMPRESSOR TYPE Rotary Rotary Rotary CONNECTIONS Flare Flare Flare LIQUID LINE O.D. in 1/4 3/8 3/8 SUCTION LINE O.D. in 1/2 5/8 5/8 REFRIGERANT CHARGE oz. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT wx H x D in 45 1/8 x 13 1/8 x 10 50 5/8 x 13 5/8 x 10 1/4 NET WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT wx H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 512 SHIPPING WEIGHT lbs 10	POWER AND COMMUNICATION CABLE	No.x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG	
COMPRESSOR TYPE Rotary Rotary Rotary CONNECTIONS Flare Flare Flare LIQUID LINE O.D. in 1/4 3/8 3/8 SUCTION LINE O.D. in 1/2 5/8 5/8 REFRIGERANT CHARGE oz. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 1/8 x 13 1/8 x 10 50 5/8 X 13 5/8 X 10 1/4 NET WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 108 141	REFRIGERATION SYSTEM					
Flare Flare Flare Flare	REFRIGERANT		R410a	R410a	R410a	
LIQUID LINE O.D. in 1/4 3/8 3/8 SUCTION LINE O.D. in 1/2 5/8 5/8 REFRIGERANT CHARGE oz. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft. 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft. 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT w x H x D in 45 1/8 x 13 1/8 x 10 50 5/8 X 13 5/8 X 10 1/4 NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 347/8 x 31 1/4 x 14 3/8 347/8 x 31 1/4 x 14 3/8 347/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	COMPRESSOR TYPE		Rotary	Rotary	Rotary	
SUCTION LINE O.D. REFRIGERANT CHARGE OZ. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 MIN. / MAX. LINE LENGTH ft. 10-66 10-66 MAX. HEIGHT DIFFERENCE ft. 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 1/8 x 13 1/8 x 10 50 5/8 X 13 5/8 X 10 1/4 NET WEIGHT Ubs 33 33 40 SHIPPING WEIGHT Ubs 33 34 OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT Ubs 99 123.5 141 SHIPPING WEIGHT Ubs 108 108 141 152 TOTAL NET WEIGHT Us 181	CONNECTIONS		Flare	Flare	Flare	
REFRIGERANT CHARGE oz. 54.7 66.3 81.2 FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft. 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft. 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in. 45 ½ x 13 ½ x 10 50 5/8 X 13 5/8 X 10 ¼ NET WEIGHT lbs. 38.5 38.5 48 OUTDOOR UNIT W x H x D in. 33 ½ x 25 ½ x 12 ½ 34 ½ x 31 ¼ x 14 ¾/8 34 ½ x 31 ¼ x 14 ¾/8 NET WEIGHT lbs. 99 123.5 141 SHIPPING WEIGHT lbs. 108 141 152 TOTAL NET WEIGHT lbs. 132 156.5 181	LIQUID LINE O.D.	in	1/4	3/8	3/8	
FACTORY PRECHARGE ft. 25 25 25 MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 ½ x 13 ½ x 10 50 ½ 8 X 13 ½ 8 X 10 ¼ NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 ½ 8 x 25 ½ x 12 ½ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¾ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ x 14 ¼ ½ 8 34 ½ 8 x 31 ¼ x 14 ¼ x 14 ¼ ½ 8	SUCTION LINE O.D.	in	1/2	5/8	5/8	
MIN. / MAX. LINE LENGTH ft 10-66 10-66 10-66 MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 ½ x 13 ½ x 10 50 ½ x 13 ½ x 10 ¼ NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 ½ x 25 ½ x 12 ½ 34 ½ x 31 ¼ x 14 ¾ x 34 ½ x 31 ¼ x 14 ¾ x NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	REFRIGERANT CHARGE	OZ.	54.7	66.3	81.2	
MAX. HEIGHT DIFFERENCE ft 33 33 33 DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 ½8 x 13 ½8 x 10 50 ½8 X 13 ½8 X 10 ¼ NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 ½8 x 25 ½x 12 ½8 34 ½8 x 31 ¼x 14 ¾8 34 ½8 x 31 ¼x 14 ¾8 34 ½8 x 31 ¼x 14 ¾8 NET WEIGHT lbs 99 123.5 141 152 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	FACTORY PRECHARGE	ft.	25	25	25	
DIMENSIONS & WEIGHT INDOOR UNIT W x H x D in 45 ½ x 13 ½ x 10 50 ½ x 13 ½ x 10 ¼ NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT w x H x D in 33 ½ x 25 ½ x 12 ½ 34 ½ x 31 ¼ x 14 ¾ 34 ½ x 31 ¼ x 14 ¾ 34 ½ x 31 ¼ x 14 ¾ 141 NET WEIGHT lbs 99 123.5 141 152 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	MIN. / MAX. LINE LENGTH	ft	10-66	10-66	10-66	
INDOOR UNIT W x H x D in 45 ½ x 1 ½ x 10 50 ½ x 13 ½ x 10 ¼ NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT in 33 ½ x 25 ½ x 12 ½ 34 ½ x 31 ¼ x 14 ¾ 34 ½ x 31 ¼ x 14 ¾ 34 ½ x 31 ¼ x 14 ¾ 141 152 NET WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	MAX. HEIGHT DIFFERENCE	ft	33	33	33	
W x H x D in 45 1/8 x 13 1/8 x 10 50 5/8 X 13 5/8 X 10 1/4 NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	DIMENSIONS & WEIGHT					
NET WEIGHT lbs 33 33 40 SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	INDOOR UNIT					
SHIPPING WEIGHT lbs 38.5 38.5 48 OUTDOOR UNIT W x H x D in 33 ⁷ /8 x 25 ¹ /2 x 12 ¹ /8 34 ⁷ /8 x 31 ¹ /4 x 14 ³ /8 34 ⁷ /8 x 31 ¹ /4 x 14 ³ /8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	WxHxD	in	45 ¹ /8 x 1	3 ¹ /8 x 10	50 ⁵ /8 X 13 ⁵ /8 X 10 ¹ / ₄	
OUTDOOR UNIT W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	NET WEIGHT	lbs	33	33	40	
W x H x D in 33 7/8 x 25 1/2 x 12 1/8 34 7/8 x 31 1/4 x 14 3/8 34 7/8 x 31 1/4 x 14 3/8 NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	SHIPPING WEIGHT	lbs	38.5	38.5	48	
NET WEIGHT lbs 99 123.5 141 SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	OUTDOOR UNIT					
SHIPPING WEIGHT lbs 108 141 152 TOTAL NET WEIGHT lbs 132 156.5 181	WxHxD	in	33 ⁷ /8 x 25 ¹ /2 x 12 ¹ /8	34 ⁷ /8 x 31 ¹ /4 x 14 ³ /8	34 ⁷ /8 x 31 ¹ /4 x 14 ³ /8	
TOTAL NET WEIGHT	NET WEIGHT	lbs	99	123.5	141	
	SHIPPING WEIGHT	lbs	108	141	152	
TOTAL SHIPPING WEIGHT lbs 146.5 179.5 200	TOTAL NET WEIGHT	lbs	132	156.5	181	
	TOTAL SHIPPING WEIGHT	lbs	146.5	179.5	200	

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$.12 per kWh. For more information, visit www.ftc.gov/energy.

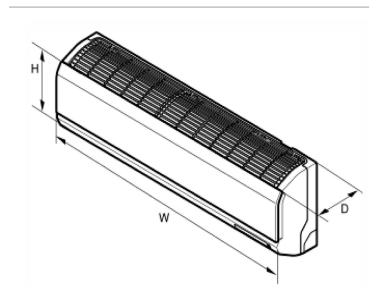
Due to continuing research in new energy-saving technology, specifications are subject to change without notice.





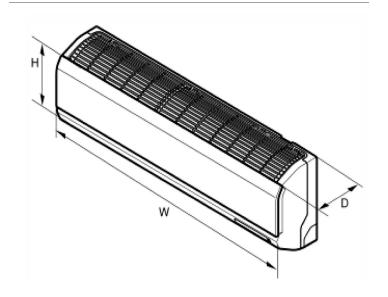
DIMENSIONAL DRAWINGS INDOOR UNIT / FPHFW18A3B

	W	Н	D
FPHFW18A3B	45 1/8"	13 1/8"	10"



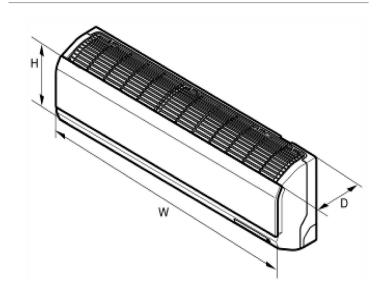
INDOOR UNIT / FPHFW24A3B

	W	Н	D
FPHFW24A3B	45 1/8"	13 1/8"	10"

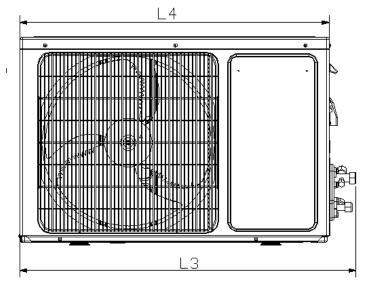


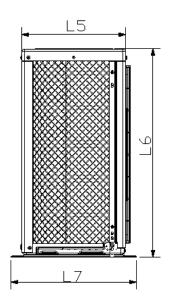
INDOOR UNIT / FPHSW36A3B

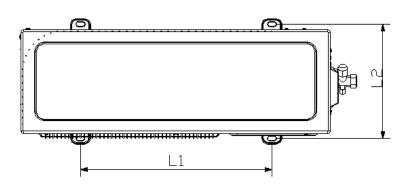
	W	Н	D
FPHSW36A3B	50 ⁵ /8"	13 ⁵ /8"	10 1/4"



Outdoor units:







				Width	Depth	Height	
	L1	L2	L3	L4	L5	L6	L7
Model	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
FPHSR18A3A	21 11/32	12 ¹⁹ /32	34 ⁷ /8	33 7/8	12 ¹ /8	25 1/2	13
FPHSR24A3A	26	12 ¹⁹ /32	37 ³ /4	34 ⁷ /8	14 ³ /8	31 ¹ / ₄	16 ⁵ /16
FPHSR36A3A	26	12 ¹⁹ /32	37 ³ /4	34 ⁷ /8	14 ³ /8	31 ¹ / ₄	16 ⁵ /16

ACCESSORIES

REFRIGERATION LINE SETS* (Required accessory)

Kit#	Length (ft.)	Liquid	Suction	System Model
T42150	15'	1/4"	1/2"	FPHW183A
T42350	35'	1/4"	1/2"	FFHWIOSA
T53150	15'	3/8"	5/8"	FPHW243A
T53350	35'	1/4"	1/2"	FPHWZ43A
T63150	15'	3/8"	5/8"	FPHW363A
T63350	35'	3/8"	3/4"	FPHW363A

*Insulated line sets are available for all Friedrich 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

Floating Air® Pro					
System Model	Min. (ft.)	Max. (ft.)			
FPHW183A	10	66			
FPHW243A	10	66			
FPHW363A	10	66			

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	

WALL CONTROLLER



FPWC1 Optional wired wall controller