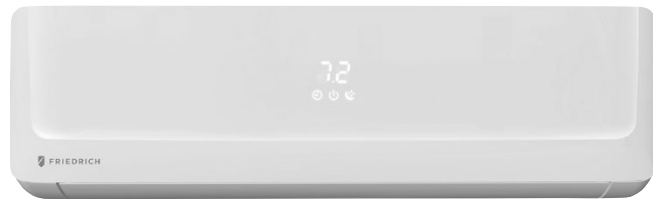


| | | |
|--------------|--------------|---------------|
| PURCHASER | P.O. # | DATE |
| PROJECT | LOCATION | |
| ENGINEER | ARCHITECT | |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Features

- 230/208 Single Zone Heat Pump
- 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)



FRHSW09A3B, FRHSW12A3B



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

OPERATION IN EXTREME CONDITIONS

- Low ambient operation down to 0° F (Cooling mode)
- Low ambient operation down to -13° F (Heating mode)



FRHSR09A3A, FRHSR12A3A



SPECIFICATIONS

| PERFORMANCE RATINGS | | Single Zone Wall-Mounted - Heat Pumps | |
|---------------------------------|------------|---------------------------------------|----------------------|
| | | 9k | 12k |
| SYSTEM MODEL NO. | | FRHW093A | FRHW123A |
| INDOOR MODELS | | FRHSW09A3B | FRHSW12A3B |
| OUTDOOR MODEL | | FRHSR09A3A | FRHSR12A3A |
| SPECIFICATIONS | | | |
| CAPACITY COOLING (RATED) | Btu | 9000 | 12000 |
| CAPACITY COOLING (MIN-MAX) | Btu | 3600-10000 | 4000-13500 |
| CAPACITY HEATING @47°F (RATED) | Btu | 10500 | 13000 |
| CAPACITY HEATING @17°F (RATED) | Btu | 6500 | 8000 |
| CAPACITY HEATING (MIN-MAX) | Btu | 3600-10500 | 4000-14000 |
| SENSIBLE HEAT RATIO | | 76% | 77% |
| HSPF | | 12.5 | 12.0 |
| SEER | | 28.0 | 25.0 |
| EER | | 16.1 | 15.4 |
| ENERGY STAR | | YES | YES |
| MOISTURE REMOVAL | Pts/h | 1.9 | 2.5 |
| AIRFLOW (QUIET, LOW, MED, HIGH) | CFM | 416/384/355/279 | 598/536/446/345 |
| SOUND RATING - INDOOR | dB-A | 39/34/31 | 45/41/39 |
| SOUND RATING - OUTDOOR | dB-A | 55 | 55 |
| OPERATING RANGE (COOLING) | °F | 0° -115° | 0° -115° |
| OPERATING RANGE (HEATING) | °F | -13° -75° | -13° -75° |
| EST. YEARLY OPERATING COST | \$ | 50 | 70 |
| ELECTRICAL DATA | | | |
| POWER SOURCE | V-Hz-Phase | 230/208-60-1 | 230/208-60-1 |
| MINIMUM AMPACITY | A | 10A | 12A |
| COOLING WATTS | W | 559 | 779 |
| COOLING AMPS | | 2.3 | 4.6 |
| HEATING WATTS | W | 905 | 856 |
| HEATING AMPS | | 3.4 | 4.8 |
| MAX. TD FUSE/BREAKER | A | 15A | 15A |
| POWER AND COMMUNICATION CABLE | No. x AWG | 4 x 14AWG | 4 x 14AWG |
| REFRIGERATION SYSTEM | | | |
| REFRIGERANT | | R410a | R410a |
| COMPRESSOR TYPE | | Rotary | Rotary |
| CONNECTIONS | | Flare | Flare |
| LIQUID LINE O.D. | in | 1/4 | 1/4 |
| SUCTION LINE O.D. | in | 3/8 | 3/8 |
| FACTORY PRECHARGE | ft | 25 | 25 |
| REFRIGERANT CHARGE | oz | 38.8 | 45.9 |
| MIN./MAX. LINE LENGTH | ft | 10-66 | 10-66 |
| MAX. HEIGHT DIFFERENCE | ft | 33 | 33 |
| DIMENSIONS & WEIGHT | | | |
| INDOOR UNIT | | | |
| W X H X D | in | 33 7/8 x 11 1/8 x 8 1/2 | 38 1/8 X 13 1/8 X 10 |
| NET WEIGHT | lbs | 22 | 28.5 |
| SHIPPING WEIGHT | lbs | 26.5 | 34 |
| OUTDOOR UNIT | | | |
| W X H X D | in | 31 7/8 x 23 x 11 | 31 7/8 x 23 x 11 |
| NET WEIGHT | lbs | 75 | 84 |
| SHIPPING WEIGHT | lbs | 81.5 | 92.5 |
| TOTAL NET WEIGHT | lbs | 97 | 112.5 |
| TOTAL SHIPPING WEIGHT | lbs | 108 | 126.5 |

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.

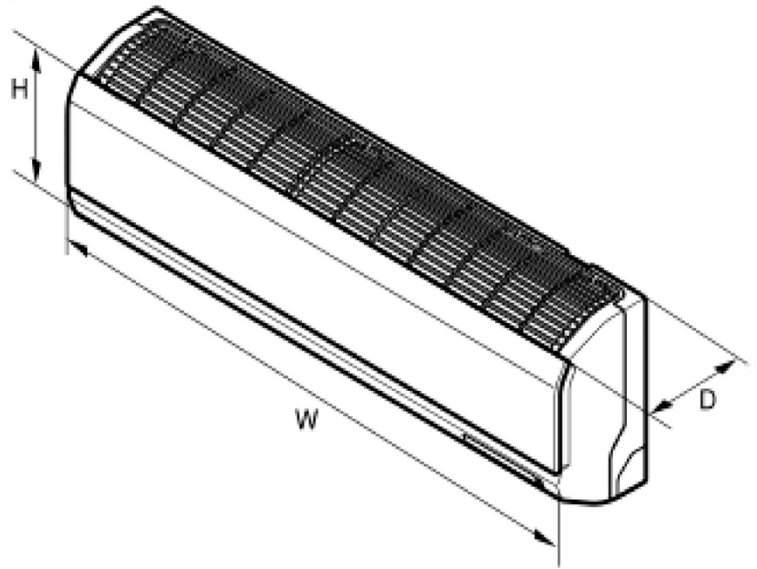
For more information, visit www.ftc.gov/energy.

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



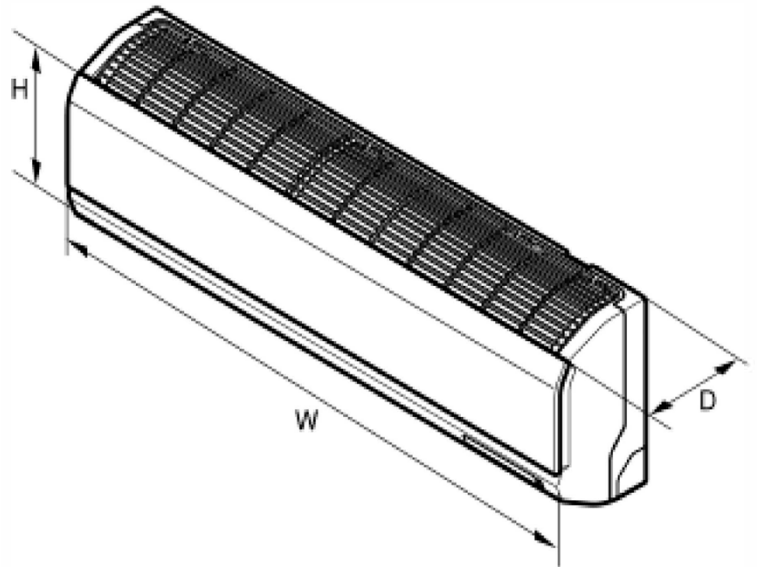
DIMENSIONAL DRAWINGS
INDOOR UNIT / FRHSW09A3B

| | W | H | D |
|------------|---------|---------|--------|
| FRHSW09A3B | 33 7/8" | 11 1/8" | 8 1/2" |



INDOOR UNIT / FRHSW12A3B

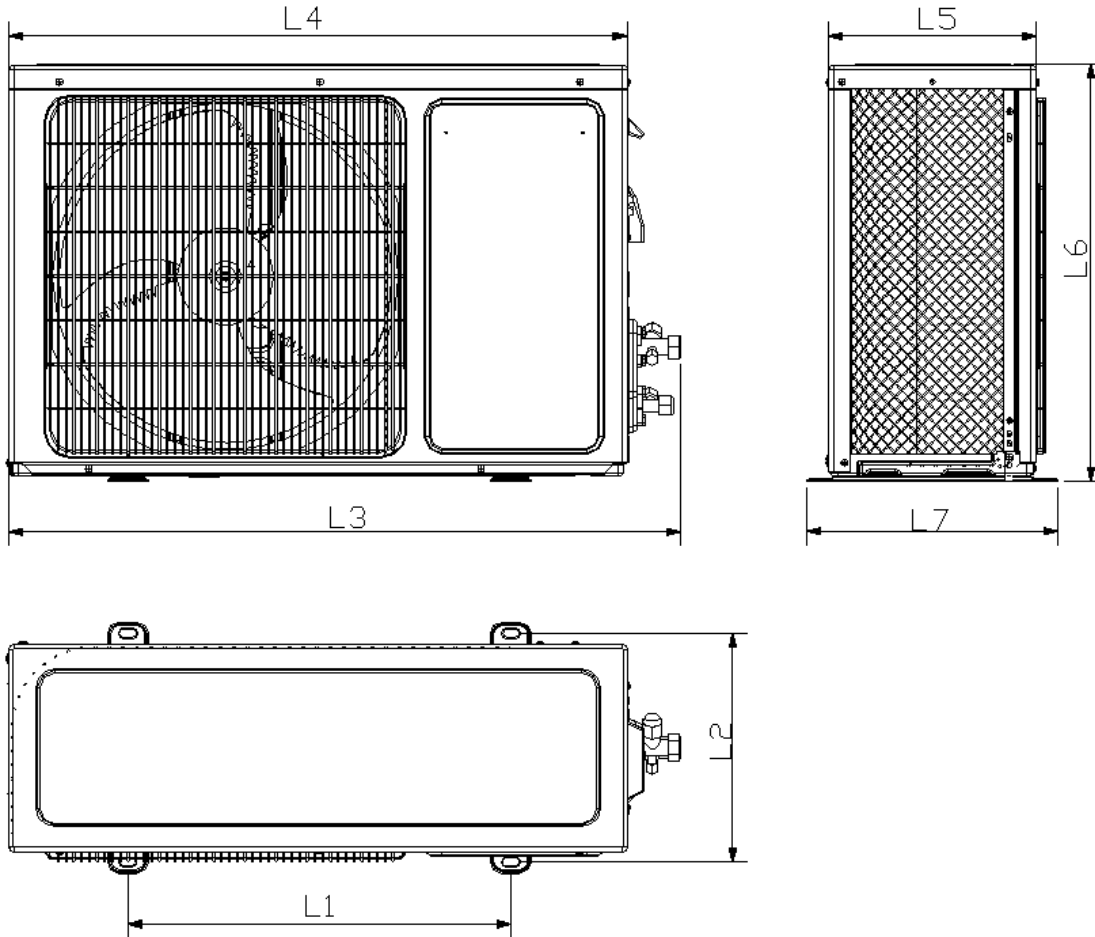
| | W | H | D |
|-------------|---------|---------|-----|
| FRHSW12A3AB | 38 1/8" | 13 1/8" | 10" |



DIMENSIONAL DRAWINGS

OUTDOOR UNITS / FRHSR09A3A, FRSHR12A3A

Outdoor units:



| | | | | Width | Depth | Height | |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Model | L1 (in.) | L2 (in.) | L3 (in.) | L4 (in.) | L5 (in.) | L6 (in.) | L7 (in.) |
| FRHSR09A3A | 20 1/16 | 12 19/32 | 34 7/8 | 31 7/8 | 11 | 23 | 13 |
| FRHSR12A3A | | | | | | | |

ACCESSORIES

REFRIGERATION LINE SETS (REQUIRED) OUTSIDE DIMENSIONS

| Floating Air® Premier Wall-mounted | | | | |
|------------------------------------|--------|---------|-----------------|-----------------|
| SYSTEM MODEL | Liquid | Suction | 15' Lineset Kit | 35' Lineset Kit |
| FRHW093A | 1/4 | 3/8 | T32150 | T32350 |
| FRHW123A | 1/4 | 3/8 | T32150 | T32350 |

REFRIGERATION LINE SETS MIN./MAX. LENGTHS

| Floating Air® Premier | | |
|-----------------------|------------|-----------------------|
| SYSTEM MODEL | Min. (ft.) | Max. Each/Total (ft.) |
| FRHW093A | 10 | 66 |
| FRHW123A | 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 CONTROLLERS



FPWC1 Optional wired wall controller