

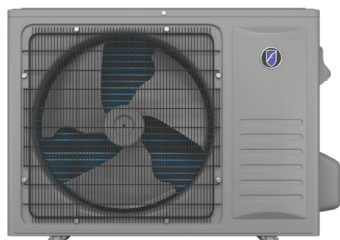
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| PURCHASER    | P.O. #       | DATE          |
| PROJECT      | LOCATION     |               |
| ENGINEER     | ARCHITECT    |               |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
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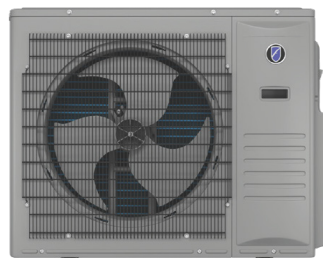
## Multi-Zone Outdoor Heat Pump Key Features

 Indicates sustainability feature

-  **Precision Inverter®** technology (variable speed compressor)
-  Soft-Start™ compressor
-  BLDC motor
-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models
-  Extreme cold climate heat pump performance: 100% of rated capacity at 5°F\*



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,  
FPHMR42A3D

### ProX **EXTREME** TEMPERATURE HEAT PUMP

- Low ambient heat pump operation down to -13°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

\*Multi-zone 42K BTU models operate at 86% capacity at 5°F.

## FLOATING AIR™ PRO X | MULTI-ZONE | OUTDOOR HEAT PUMPS

| MODEL                    | Outdoor Model                                          | Unit        | FPHMR18A3D           | FPHMR27A3D             | FPHMR36A3D             | FPHMR42A3D             |
|--------------------------|--------------------------------------------------------|-------------|----------------------|------------------------|------------------------|------------------------|
|                          | 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       | 18,000               | 27,000                 | 36,000                 | 42,000                 |
|                          | Cooling Capacity Range (Min.–Max.)                     | Btu/h       | 9,000-22,000         | 9,000-31,000           | 9,000-46,800           | 9,000-54,600           |
|                          | EER2 @ 95°F*                                           | Btu/h/W     | 13.30                | 12.85                  | 12.85                  | 12.00                  |
|                          | SEER2                                                  | Btu/h/W     | 22.00                | 23.00                  | 22.00                  | 22.00                  |
|                          | Cooling Operating Range                                | °F          | 5°F–125°F            | 5°F–125°F              | 5°F–125°F              | 5°F–125°F              |
| HEATING                  | Rated Capacity @ 47°F                                  | Btu/h       | 18,000               | 27,000                 | 36,000                 | 48,000                 |
|                          | Heating Capacity Range (Min.–Max.)                     | Btu/h       | 9,000-30,000         | 9,000-44,000           | 9,000-54,000           | 9,000-58,000           |
|                          | COP2 @ 47°F*                                           | W/W         | 3.82                 | 3.60                   | 3.91                   | 3.60                   |
|                          | COP @ 5°F*                                             | W/W         | 1.99                 | 1.82                   | 1.92                   | 1.92                   |
|                          | HSPF2*                                                 | Btu/h/W     | 10.00                | 10.00                  | 10.00                  | 9.50                   |
|                          | Rated Capacity Heating @ 17°F (-8.3°C)                 | Btu/h       | 11,500               | 17,600                 | 22,600                 | 28,200                 |
|                          | Maximum Heating Capacity @ 5°F (-15°C)                 | Btu/h       | 18,000               | 27,000                 | 36,000                 | 36,000                 |
|                          | Maximum Heating Capacity @ -13F (-25°C)                | Btu/h       | 13,356               | 19,177                 | 26,175                 | 27,216                 |
|                          | Heating Operating Range                                | °F          | -13°F–75°F           | -13°F–75°F             | -13°F–75°F             | -13°F–75°F             |
| OUTDOOR AIRFLOW          | Air Circulation (Hi) for Outdoor                       | ft3 CFM     | 1,850                | 3,357                  | 3,357                  | 3,357                  |
|                          | Sound Rating - Outdoor (Hi)                            | dB (A)      | 55                   | 62                     | 64                     | 64                     |
| FAN MOTOR                | Output                                                 | W           | 60                   | 220                    | 220                    | 220                    |
|                          | Speed (Hi)                                             | r/min       | 880                  | 850                    | 830                    | 830                    |
| ELECTRICAL               | Rated Current                                          | Cooling (A) | 6.3                  | 9.3                    | 12.8                   | 15.5                   |
|                          |                                                        | Cooling (W) | 1350.0               | 2100.0                 | 2802.0                 | 3500.0                 |
|                          |                                                        | Heating (A) | 6.4                  | 10.0                   | 12.5                   | 18.0                   |
|                          |                                                        | Heating (W) | 1380.0               | 2200.0                 | 2700.0                 | ×3910.0                |
|                          | MOP (Rating of Overcurrent Protective Device)          | A           | 30.0                 | 40.0                   | 50.0                   | 60.0                   |
|                          | MCA (Minimum Circuit Ampacity)                         | A           | 21.0                 | 25.0                   | 32.0                   | 36.0                   |
| REFRIGERATION<br>(R454B) | Communication Wire Size and Type                       |             | 4 x 14AWG            | 4 x 14AWG              | 4 x 14AWG              | 4 x 14AWG              |
|                          | Moisture Removal                                       | pints/hr    | 2.4                  | 3.0                    | 4.3                    | 4.4                    |
|                          | Refrigerant Charge Volume                              | oz.         | 51.1                 | 76.2                   | 105.8                  | 105.8                  |
|                          | Liquid Pipe                                            | in.         | 1/4                  | 1/4                    | 1/4                    | 1/4                    |
|                          | Gas Pipe                                               | in.         | 3/8                  | 3/8                    | 3/8                    | 3/8                    |
|                          | Connection                                             |             | Flare                | Flare                  | Flare                  | Flare                  |
|                          | Max. Pipe Length (Total)                               | ft.         | 164.0                | 230.0                  | 230.0                  | 262.0                  |
|                          | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft.         | 49.0                 | 49.0                   | 49.0                   | 49.0                   |
|                          | Pre-charge Pipe Length                                 | ft.         | 50.0                 | 75.0                   | 100.0                  | 125.0                  |
|                          | Additional Refrigerant Charge per Foot after 25 ft.    | oz./ft.     | 0.2                  | 0.2                    | 0.2                    | 0.2                    |
| OUTDOOR UNIT             | Dimension (W×H×D)                                      | in. 1/8ths  | 33 7/8×26 3/8×12 1/4 | 38 3/8 ×32 7/8 ×14 1/8 | 38 3/8 ×32 7/8 ×14 1/8 | 38 3/8 ×32 7/8 ×14 1/8 |
|                          |                                                        | mm          | 860×670×310          | 975×835×360            | 975×835×360            | 975×835×360            |
|                          | Packing (L×W×H)                                        | in. 1/8ths  | 39×17 3/4×-28 3/4    | 43 3/4×18 1/8×37 3/4   | 43 3/4×18 1/8×37 3/4   | 43 3/4×18 1/8×37 3/4   |
|                          |                                                        | mm          | 990×450×730          | 1,111×460×960          | 1,111×460×960          | 1,111×460×960          |
|                          | Net Weight                                             | lbs.        | 101.4                | 160.6                  | 169.8                  | 172.0                  |
|                          |                                                        | kg          | 46.0                 | 72.9                   | 77.0                   | 78.0                   |
|                          | Shipping Weight                                        | lbs.        | 112.4                | 183.2                  | 191.8                  | 194                    |
|                          | kg                                                     | 51.0        | 83.1                 | 87.0                   | 88.0                   |                        |

## MULTI-ZONE CONFIGURATION, AHRI RATINGS

| Friedrich Model | AHRI Reference Number | Indoor Type                              | System Cooling 95°F Capacity | EER2  | SEER2 | High Heat 47°F | HSPF/ HSPF2 | Low Heat 17°F (-8.3°C) | Low Heat 5°F (-15°C) | COP 5°F | Maximum Heating Capacity 5°F (-15°C) |
|-----------------|-----------------------|------------------------------------------|------------------------------|-------|-------|----------------|-------------|------------------------|----------------------|---------|--------------------------------------|
| FPHMR18A3D      | 215792836             | Non-Ducted Indoor Units                  | 18,000                       | 13.30 | 22.00 | 18,000         | 10.00       | 11,500                 | 18,000               | 1.99    | 18,000                               |
|                 | 215792837             | Ducted Indoor Units                      | 18,000                       | 12.00 | 17.50 | 18,000         | 9.40        | 11,900                 | 17,000               | 1.96    | 18,000                               |
|                 | 215792838             | Mixed Ducted and Non-Ducted Indoor Units | 18,000                       | 12.65 | 19.75 | 18,000         | 9.70        | 11,700                 | 17,400               | 1.96    | 18,000                               |
| FPHMR27A3D      | 215792839             | Non-Ducted Indoor Units                  | 27,000                       | 12.85 | 23.00 | 27,000         | 10.00       | 17,600                 | 27,000               | 1.82    | 27,000                               |
|                 | 215792840             | Ducted Indoor Units                      | 27,000                       | 11.50 | 18.00 | 27,000         | 8.80        | 18,200                 | 26,400               | 1.84    | 27,000                               |
|                 | 215792841             | Mixed Ducted and Non-Ducted Indoor Units | 27,000                       | 12.20 | 20.50 | 27,000         | 9.40        | 18,000                 | 26,600               | 1.82    | 27,000                               |
| FPHMR36A3D      | 215792846             | Non-Ducted Indoor Units                  | 36,000                       | 12.85 | 22.00 | 36,000         | 10.00       | 22,600                 | 36,000               | 1.92    | 36,000                               |
|                 | 215792845             | Ducted Indoor Units                      | 36,000                       | 12.85 | 19.00 | 36,000         | 9.00        | 21,000                 | 32,400               | 1.83    | 36,000                               |
|                 | 215792847             | Mixed Ducted and Non-Ducted Indoor Units | 36,000                       | 12.85 | 20.50 | 36,000         | 9.50        | 21,800                 | 34,200               | 1.87    | 36,000                               |
| FPHMR42A3D      | 215792843             | Non-Ducted Indoor Units                  | 42,000                       | 12.00 | 22.00 | 48,000         | 9.50        | 28,200                 | 36,000               | 1.92    | 36,000                               |
|                 | 215792842             | Ducted Indoor Units                      | 42,000                       | 11.35 | 18.00 | 45,000         | 8.80        | 27,400                 | 34,000               | 1.83    | 36,000                               |
|                 | 215792844             | Mixed Ducted and Non-Ducted Indoor Units | 42,000                       | 11.80 | 20.00 | 46,500         | 9.15        | 27,800                 | 35,000               | 1.87    | 36,000                               |

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



## FLOATING AIR™ PRO X | MULTI-ZONE | INDOOR OPTIONS:

### Multi-Zone Wall-Mounted Key Features

 Indicates sustainability feature

- **Fast Pro®** 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
-  Sleep mode
-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
- Wireless remote



FEATURING **FastPro®** DESIGN



FAHMMW07A3D, FAHFW09A3D, FAHFW12A3D,  
FAHFW18A3D, FAHFW24A3D



## FLOATING AIR™ PRO X | MULTI-ZONE | WALL-MOUNTED

| MODEL                | Indoor Model                            | Unit    | FAHMMW07A3D          | FAHFW09A3D          | FAHFW12A3D          | FAHFW18A3D           | FAHFW24A3D           |
|----------------------|-----------------------------------------|---------|----------------------|---------------------|---------------------|----------------------|----------------------|
|                      | Power Supply                            | V/Hz/ph | 208V/230V~, 60Hz, 1P |                     |                     |                      |                      |
| COOLING              | Rated Capacity @ 95°F                   | Btu/h   | 7,000                | 9,000               | 12,000              | 18,000               | 24,000               |
|                      | Cooling Capacity Range (Min.-Max.)      | Btu/h   | 3,600-10,000         | 4,600-12,700        | 4,600-12,700        | 7,800-22,000         | 10,000-28,000        |
| HEATING              | Rated Capacity @ 47°F                   | Btu/h   | 8,500                | 9,000               | 12,000              | 18,000               | 24,000               |
|                      | Heating Capacity Range (Min.-Max.)      | Btu/h   | 3,600-10,000         | 5,500-16,000        | 5,500-16,000        | 7,800-23,000         | 6,700-30,000         |
| AIRFLOW              | Air Circulation (Max/H/M/L)             | ft3 CFM | 382/341/294/247      | 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      | 42/39/37/35/32      | 48/45/41/39/36       | 50/48/43/41/39       |
| FAN MOTOR            | Output                                  | W       | 25                   | 25                  | 25                  | 35                   | 35                   |
|                      | Speed (Hi/Med/Lo)                       | r/min   | 1101/938/800         | 1100/938/800        | 1154/992/800        | 1100/960/800         | 1200/1040/880        |
| 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 | 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         | 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    | 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         | 930×380×285         | 1,215×410×330        | 1,215×410×330        |
|                      | Net Weight                              | lbs.    | 22.1                 | 22.1                | 22.1                | 34.2                 | 34.2                 |
|                      |                                         | kg      | 10.0                 | 10.0                | 10.0                | 15.5                 | 15.5                 |
|                      | Shipping Weight                         | lbs.    | 26.5                 | 26.5                | 26.5                | 39.7                 | 39.7                 |
|                      |                                         | kg      | 12.0                 | 12.0                | 12.0                | 18.0                 | 18.0                 |

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## FLOATING AIR™ PRO X | MULTI-ZONE | INDOOR OPTIONS:

### Multi-Zone Ceiling Cassette Key Features

-  Precision Inverter® technology (variable speed compressor)
-  Soft-Start™ compressor
-  BLDC motor
-  Built-in Wi-Fi
-  Sleep mode
-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models

 Indicates sustainability feature

- Wireless remote
- Independent vane control
- 3 fan speeds
- Ultra-quiet turbo fan
- Evaporator frost control
- Clean, modern look



FPHFC09A3D, FPHFC12A3D



FPHFC18A3D, FPHFC24A3D,  
FPHSC36A3D



### Ceiling Cassette Grilles (Required)



FPCG0912A



FPCG182436A

| DECORATIVE GRILLE                        |                                                         |
|------------------------------------------|---------------------------------------------------------|
| FPCG0912A                                | FPCG182436A                                             |
| <b>FITS</b><br>FPHFC09A3D,<br>FPHFC12A3D | <b>FITS</b><br>FPHFC18A3D,<br>FPHFC24A3D,<br>FPHFC36A3D |

## FLOATING AIR™ PRO X | MULTI-ZONE | CEILING CASSETTE

| MODEL                | Indoor Model                            | Unit       | FPHFC09A3D           | FPHFC12A3D           | FPHFC18A3D           | FPHFC24A3D           |
|----------------------|-----------------------------------------|------------|----------------------|----------------------|----------------------|----------------------|
|                      | Power Supply                            | V/Hz/ph    | 208V/230V~,60Hz,1P   |                      |                      |                      |
| COOLING              | Rated Capacity @ 95°F                   | Btu/h      | 9,000                | 12,000               | 18,000               | 24,000               |
|                      | Cooling Capacity Range (Min.-Max.)      | Btu/h      | 4,300-14,500         | 4,300-14,500         | 7,800-24,000         | 9,000-30,000         |
| HEATING              | Rated Capacity @ 47°F                   | Btu/h      | 9,000                | 12,000               | 18,000               | 24,000               |
|                      | Heating Capacity Range (Min.-Max.)      | Btu/h      | 5,500-18,000         | 5,500-18,000         | 8,500-24,000         | 7,500-34,000         |
| AIRFLOW              | Air Circulation (Max/H/M/L)             | ft3 CFM    | 341/341/294/235      | 341/341/294/235      | 643/643/554/465      | 706/706/588/494      |
|                      | Sound Rating - Indoor (Max/H/M/L/Quiet) | dB (A)     | 52                   | 52                   | 50                   | 53                   |
| FAN MOTOR            | Output                                  | W          | 57                   | 57                   | 75                   | 75                   |
|                      | Speed (Hi/Med/Lo)                       | r/min      | 700/600/500          | 700/600/500          | 420/3810/320         | 470/400/340          |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                       | in. 1/8ths | 22-1/2×8-1/2×22-1/2  | 22-1/2×8-1/2×22-1/2  | 33-1/8×9-1/4×33-1/8  | 33-1/8×9-1/4×33-1/8  |
|                      |                                         | mm         | 570×215×570          | 570×215×570          | 840×236×840          | 840×236×840          |
|                      | Packing (L×W×H)                         | in. 1/8ths | 28-3/4×26-1/4×11-1/2 | 28-3/4×26-1/4×11-1/2 | 37-3/8×12-5/8×37-3/8 | 37-3/8×12-5/8×37-3/8 |
|                      |                                         | mm         | 730×668×292          | 730×668×292          | 950×950×320          | 950×950×320          |
|                      | Net Weight                              | lbs.       | 34.2                 | 34.2                 | 52.9                 | 52.9                 |
|                      |                                         | kg         | 15.5                 | 15.5                 | 24.0                 | 24.0                 |
|                      | Shipping Weight                         | lbs.       | 40.8                 | 40.8                 | 63.9                 | 63.9                 |
|                      |                                         | kg         | 18.5                 | 18.5                 | 29.0                 | 29.0                 |
| INDOOR GRILLE        | Dimension (W×H×D)                       | in.        | 24-3/8×1-5/8×24-3/8  | 24-3/8×1-5/8×24-3/8  | 37-3/8×2×37-3/8      | 37-3/8×2×37-3/8      |
|                      |                                         | mm         | 620×40×620           | 620×40×620           | 950×50×950           | 950×50×950           |
|                      | Packing (L×W×D)                         | in.        | 27-1/8×26-3/4×4-1/2  | 27-1/8×26-3/4×4-1/2  | 40-1/8×39-3/8×4-1/8  | 40-1/8×39-3/8×4-1/8  |
|                      |                                         | mm         | 690×680×115          | 690×680×115          | 1,020×1,000×105      | 1,020×1,000×105      |
|                      | Net Weight                              | lbs.       | 5.7                  | 5.7                  | 14.3                 | 14.3                 |
|                      |                                         | kg         | 2.6                  | 2.6                  | 6.5                  | 6.5                  |
|                      | Shipping Weight                         | lbs.       | 9.9                  | 9.9                  | 19.8                 | 19.8                 |
|                      |                                         | kg         | 4.5                  | 4.5                  | 9.0                  | 9.0                  |

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



## FLOATING AIR™ PRO X | MULTI-ZONE | INDOOR OPTIONS:

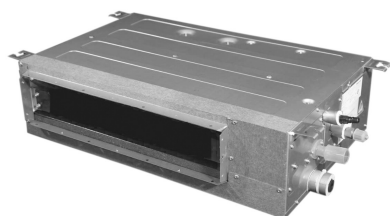
### Multi-Zone The Insider® Concealed Ducted Key Features

 Indicates sustainability feature

-  Precision Inverter® technology (variable speed compressor)
-  Soft-Start™ compressor
-  BLDC motor

-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models

- Wall controller included (FPWC1)
- Control lock function on controller
- External static pressure range 9K/12K/18K/24K 0-.40 WC (Multi-zone)



FPHFD09A3D, FPHFD12A3D, FPHFD18A3D,  
FPHFD24A3D, FPHSD36A3D



FPWC1

## FLOATING AIR™ PRO X | MULTI-ZONE | THE INSIDER® CONCEALED DUCTED

| MODEL                | Indoor Model                            | Unit                    | FPHFD09A3D           | FPHFD12A3D           | FPHFD18A3D           | FPHFD24A3D           |
|----------------------|-----------------------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
|                      | Power Supply                            | V/Hz/ph                 | 208V/230V~,60Hz,1P   |                      |                      |                      |
| COOLING              | Rated Capacity @ 95°F                   | Btu/h                   | 9,000                | 12,000               | 18,000               | 24,000               |
|                      | Cooling Capacity Range (Min.-Max.)      | Btu/h                   | 4,300-14,500         | 4,300-14,500         | 6,500-25,000         | 9,000-31,500         |
| HEATING              | Rated Capacity @ 47°F                   | Btu/h                   | 9,000                | 12,000               | 18,000               | 24,000               |
|                      | Heating Capacity Range (Min.-Max.)      | Btu/h                   | 5,300-18,000         | 5,300-18,000         | 5,700-30,000         | 7,600-37,500         |
| AIRFLOW              | Air Circulation (Max/H/M/L)             | ft3 CFM                 | 324/324/294/235      | 324/324/294/235      | 530/530/471/412      | 735/735/647/559      |
|                      | Sound Rating - Indoor (Max/H/M/L/Quiet) | dB (A)                  | 57                   | 57                   | 60                   | 68                   |
|                      | ESP (in-H2O)                            | Rated with filter Range | 0.18                 | 0.18                 | 0.18                 | 0.58                 |
|                      |                                         | with filter             | 0-0.12               | 0-0.12               | 0-0.56               | 0-0.66               |
| FAN MOTOR            | Output                                  | W                       | 57                   | 57                   | 75                   | 75                   |
|                      | Speed (Hi/Med/Lo)                       | r/min                   | 1,110/1,000/800      | 1,110/1,000/800      | 920/820/720          | 1,400/1,250/1,100    |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                       | in.                     | 35-7/8×7-1/2×17-5/8  | 35-7/8×7-1/2×17-5/8  | 31-1/2×9-5/8×27-1/2  | 43-1/4×9-5/8×27-1/2  |
|                      |                                         | mm                      | 910×190×447          | 910×190×447          | 800×245×700          | 1,100×245×700        |
|                      | Packing (L×W×H)                         | in.                     | 42-1/2×22-1/4×11-1/4 | 42-1/2×22-1/4×11-1/4 | 38-5/8×12-3/8×31-7/8 | 50-3/8×12-3/8×31-7/8 |
|                      |                                         | mm                      | 1,080×565×285        | 1,080×565×285        | 980×315×810          | 1,280×315×810        |
|                      | Net Weight                              | lbs.                    | 44.1                 | 44.1                 | 58.4                 | 73.9                 |
|                      |                                         | kg                      | 20.0                 | 20.0                 | 26.5                 | 33.5                 |
|                      | Shipping Weight                         | lbs.                    | 51.8                 | 51.8                 | 58.4                 | 73.9                 |
|                      |                                         | kg                      | 23.5                 | 23.5                 | 31.0                 | 38.5                 |

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FLOATING AIR™ PRO X | MULTI-ZONE | INDOOR OPTIONS:

Multi-Zone Air Handler  
Key Features

 Indicates sustainability feature

-  Precision Inverter® technology (variable speed compressor)
  -  Soft-Start™ compressor
  -  BLDC motor
-  All ENERGY STAR® certified models
  -  All ENERGY STAR® Cold-Climate Heat Pump certified models
- Air handler can be installed in 4 configurations; upflow, downflow, horizontal left and horizontal right
  - Aluminum indoor coil
  - Compatible with 24V thermostats



FPHFA18A3D, FPHFA24A3D

FLOATING AIR™ PRO X | MULTI-ZONE | AIR HANDLER

| MODEL                | Indoor Model                       | Unit    | FPHFA18A3D           | FPHFA24A3D           |
|----------------------|------------------------------------|---------|----------------------|----------------------|
|                      | Power Supply                       | V/Hz/ph | 208V/230V~,60Hz,1P   |                      |
| COOLING              | Rated Capacity @ 95°F              | Btu/h   | 18,000               | 24,000               |
|                      | Cooling Capacity Range (Min.-Max.) | Btu/h   | 10,500-31,000        | 10,500-31,000        |
| HEATING              | Rated Capacity @ 47°F              | Btu/h   | 18,000               | 24,000               |
|                      | Heating Capacity Range (Min.-Max.) | Btu/h   | 11,700-33,000        | 11,700-33,000        |
| AIRFLOW              | Rated Airflow                      | ft3 CFM | 800                  | 800                  |
|                      | Min-Max                            | ft3 CFM | 529-823              | 529-823              |
|                      | Sound Rating - Indoor (Hi)         | dB (A)  | 51                   | 51                   |
| FAN MOTOR            | Output                             | W       | 373                  | 373                  |
|                      | RLA                                | A       | 2.6                  | 2.6                  |
|                      | Speed (Hi-Lo)                      | r/min   | 350-1400             | 350-1400             |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                  | in.     | 17-4/8×45×21         | 17-4/8×45×21         |
|                      |                                    | mm      | 445×1,143×534        | 445×1,143×534        |
|                      | Packing (L×H×W)                    | in.     | 20-4/8×25-2/8×49-6/8 | 20-4/8×25-2/8×49-6/8 |
|                      |                                    | mm      | 520×1,265×640        | 520×1,265×640        |
|                      | Net Weight                         | lbs.    | 130.5                | 130.5                |
|                      |                                    | kg      | 59.2                 | 59.2                 |
|                      | Shipping Weight                    | lbs.    | 153.6                | 153.6                |
|                      |                                    | kg      | 69.7                 | 69.7                 |

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





Standard



With Registration



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.



**DSSXEMWRTA4** – Optional wireless energy management thermostat with occupancy sensor. For Floating Air Pro, Pro X single- and multi-zone models.



**ADS01** – Optional A2L sensor for Floating Air FAHMW07A3D, FAHFW09A3D, and FAHFW12A3D 230V indoor wall-mounted. See Installation and Operational Manual for additional information & requirements.



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

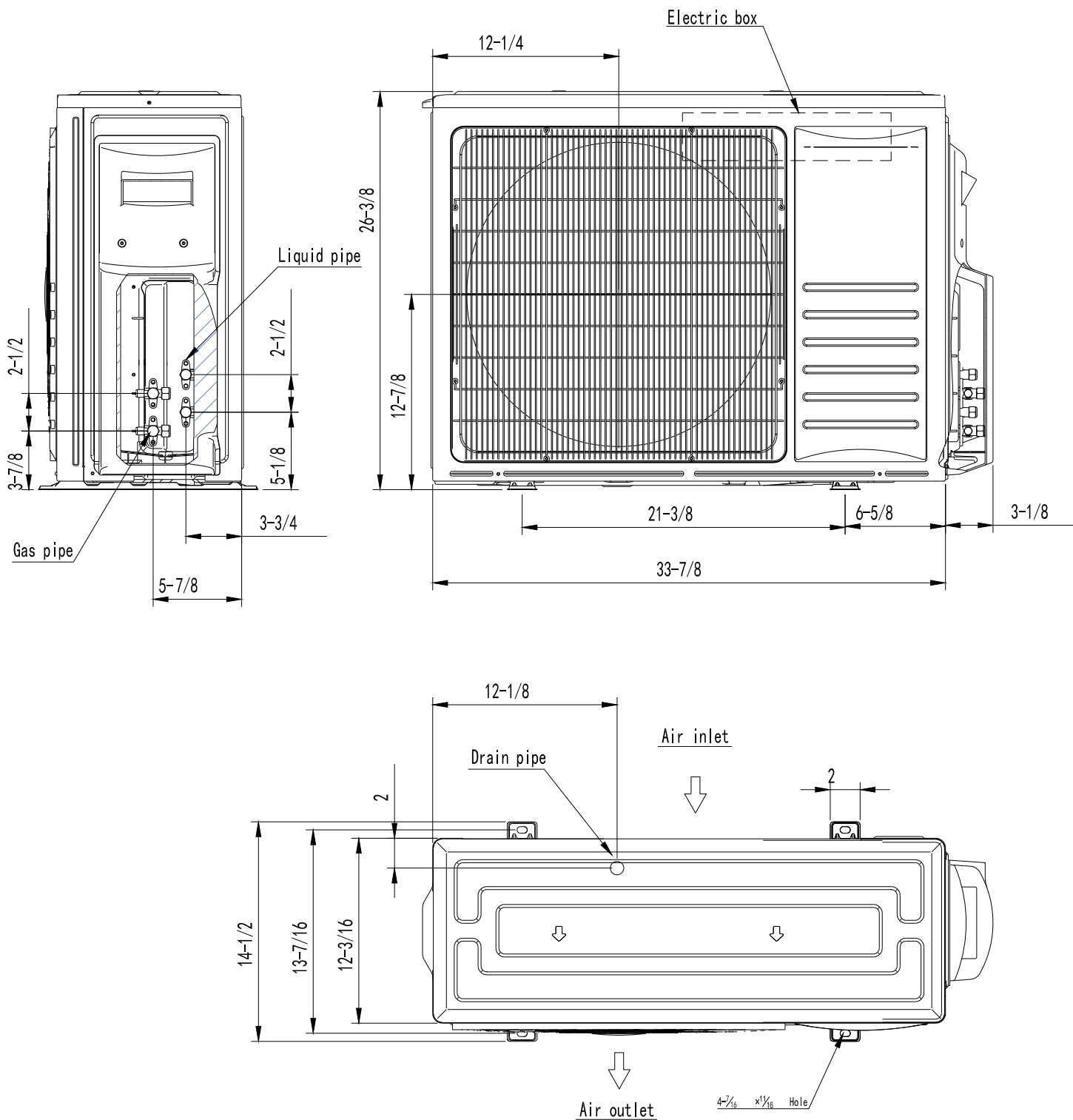
REFRIGERATION LINE SETS  
OUTSIDE DIMENSIONS & MIN./MAX. LENGTHS

| Model      | Liquid | Suction | Lineset Kit  | Lineset Kit  | Min. (Ft.) | Max. EA./Total (Ft.) |
|------------|--------|---------|--------------|--------------|------------|----------------------|
| FPHMR18A3D | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 82/164               |
| FPHMR27A3D | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 66/230               |
| FPHMR36A3D | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 66/230               |
| FPHMR42A3D | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 66/230               |

## DIMENSIONAL DRAWINGS : CONDENSERS

OUTDOOR UNITS / FPHMR18A3D

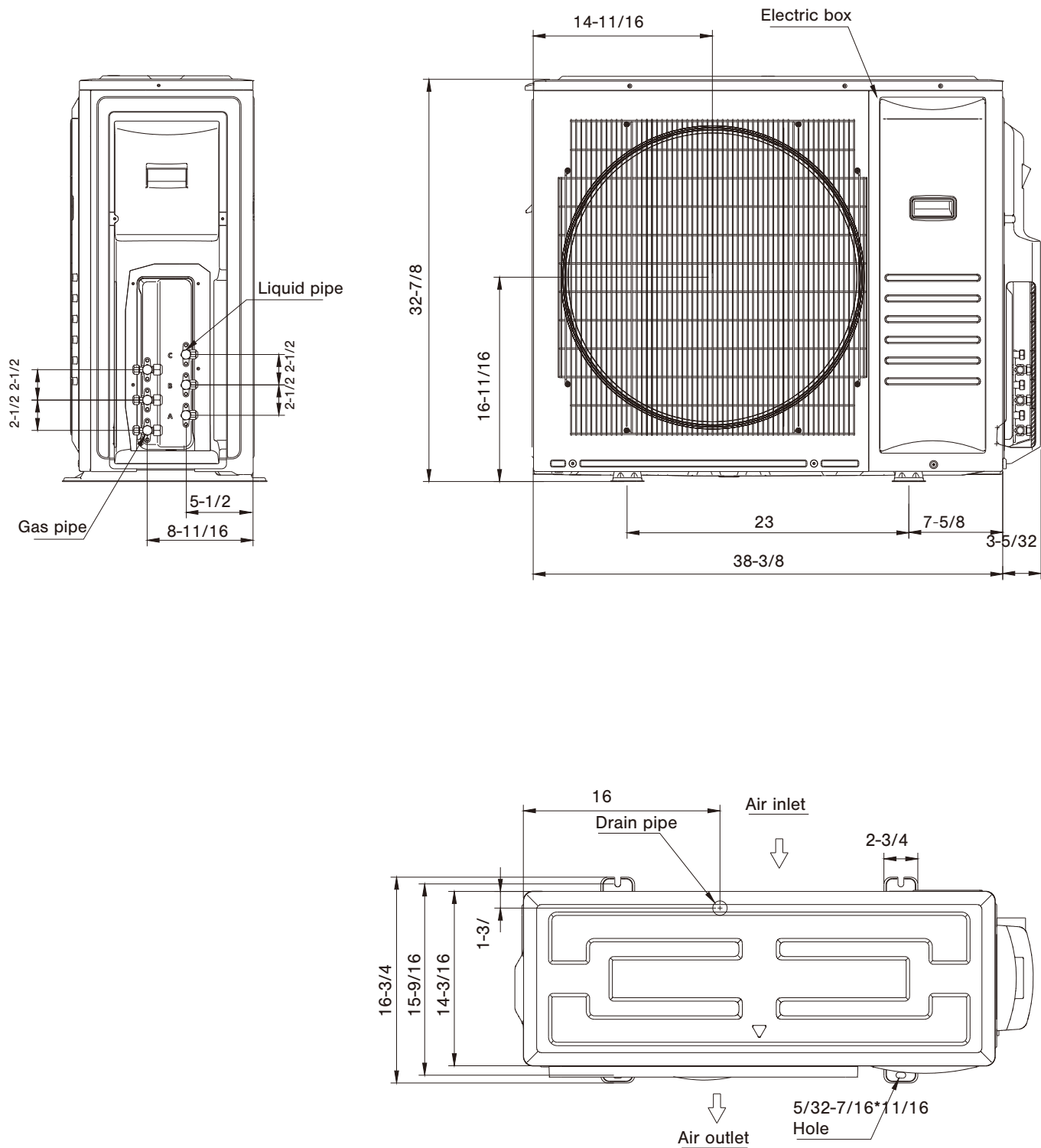
UNITS: INCHES (MM)



## DIMENSIONAL DRAWINGS : CONDENSERS

OUTDOOR UNITS / FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

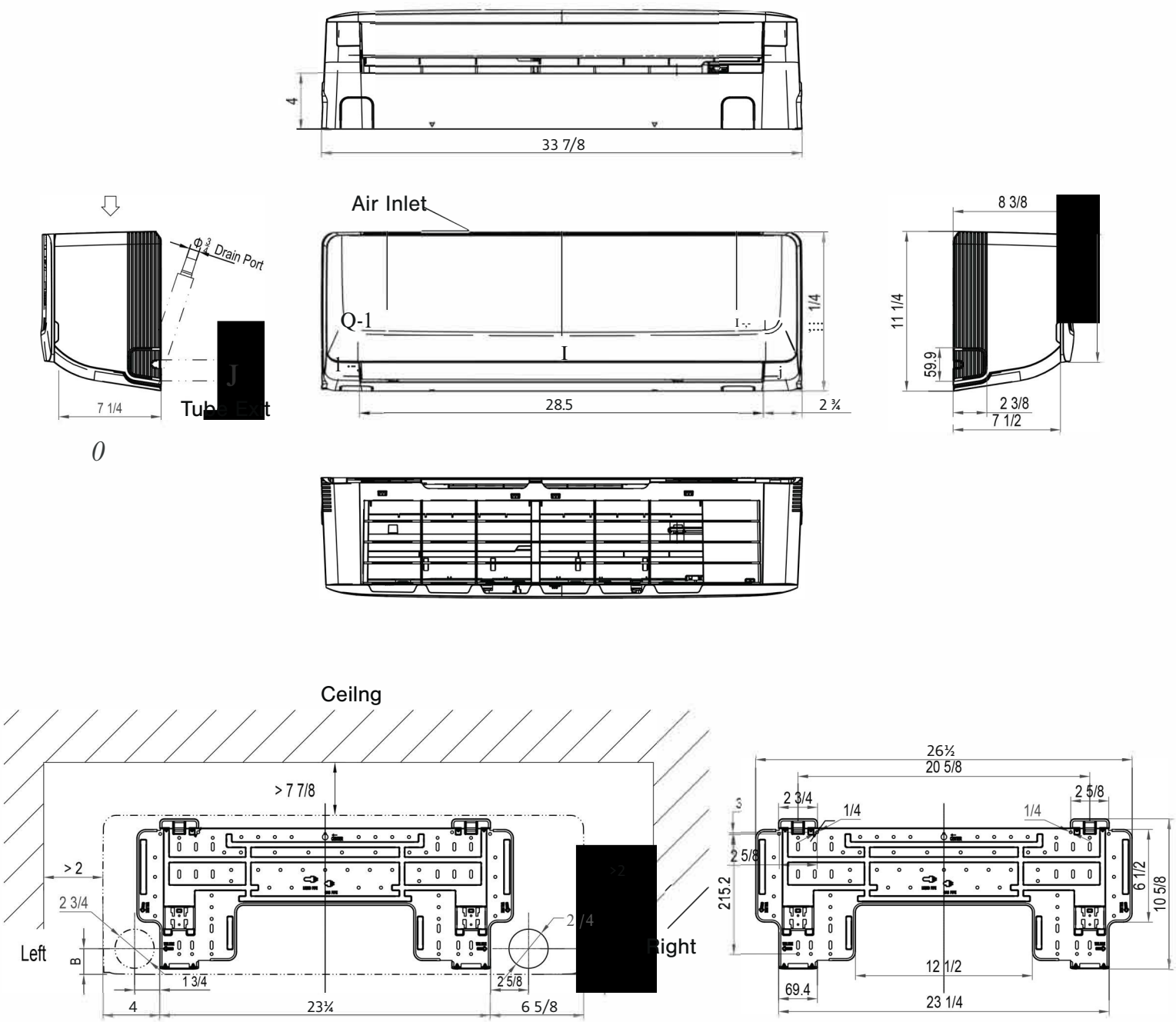
UNITS: INCHES



DIMENSIONAL DRAWINGS : WALL-MOUNTED

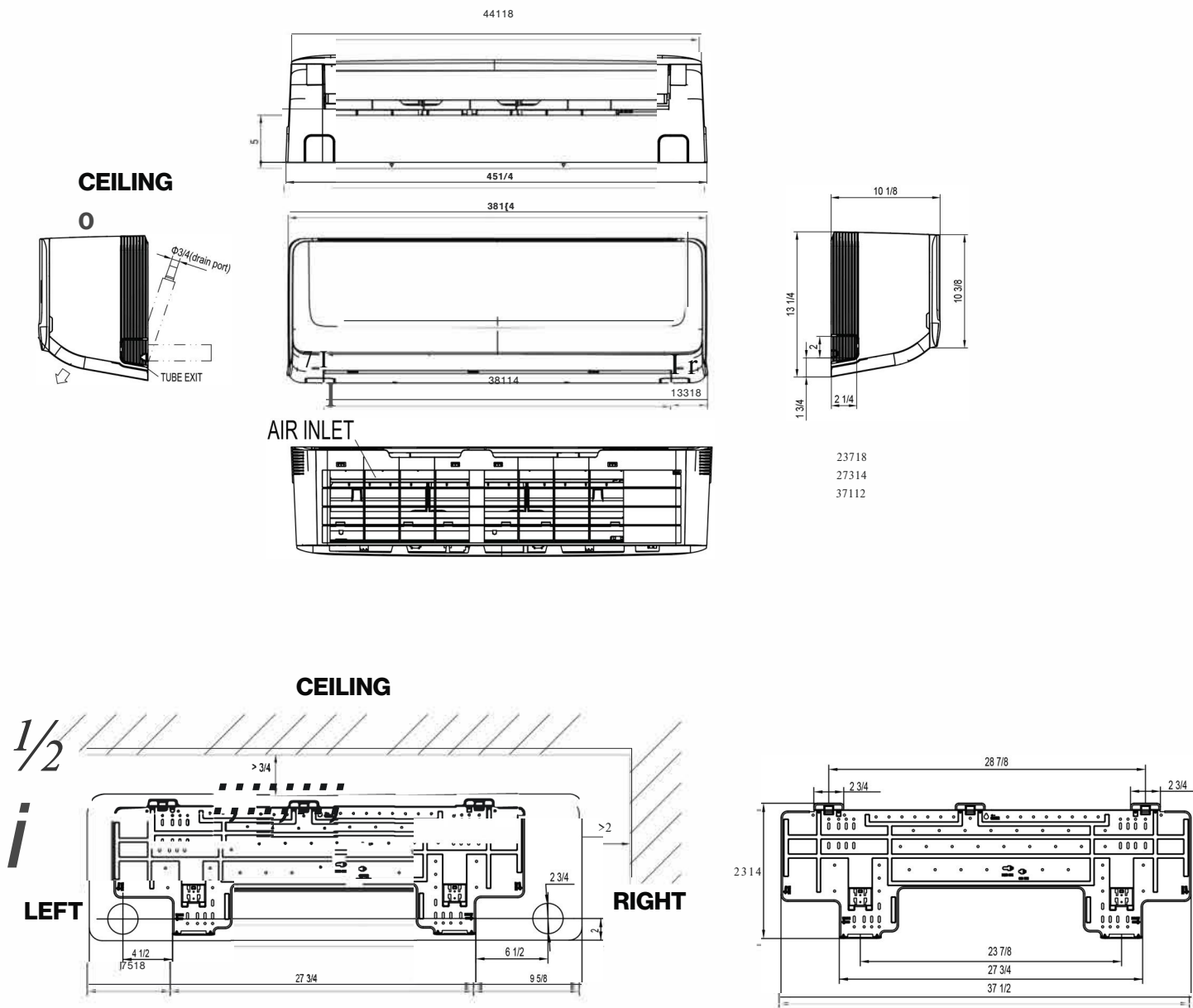
INDOOR UNITS / FAHMW07A3D, FAHFW09A3D, FAHFW12A3D

UNITS: INCHES



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

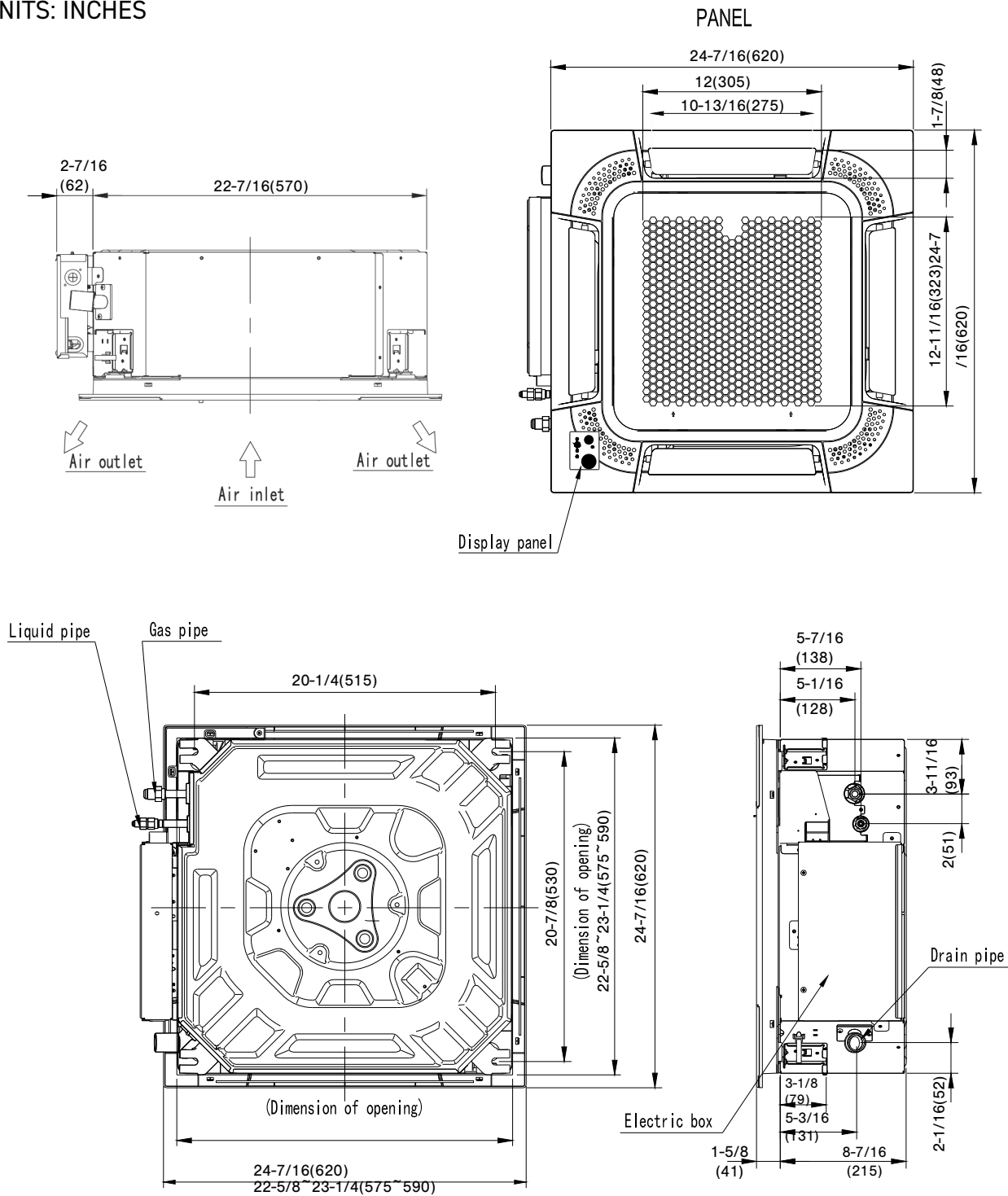
UNITS: INCHES



# DIMENSIONAL DRAWINGS: CEILING CASSETTE

INDOOR UNIT / FPHFC09A3D,FPHFC12A3D

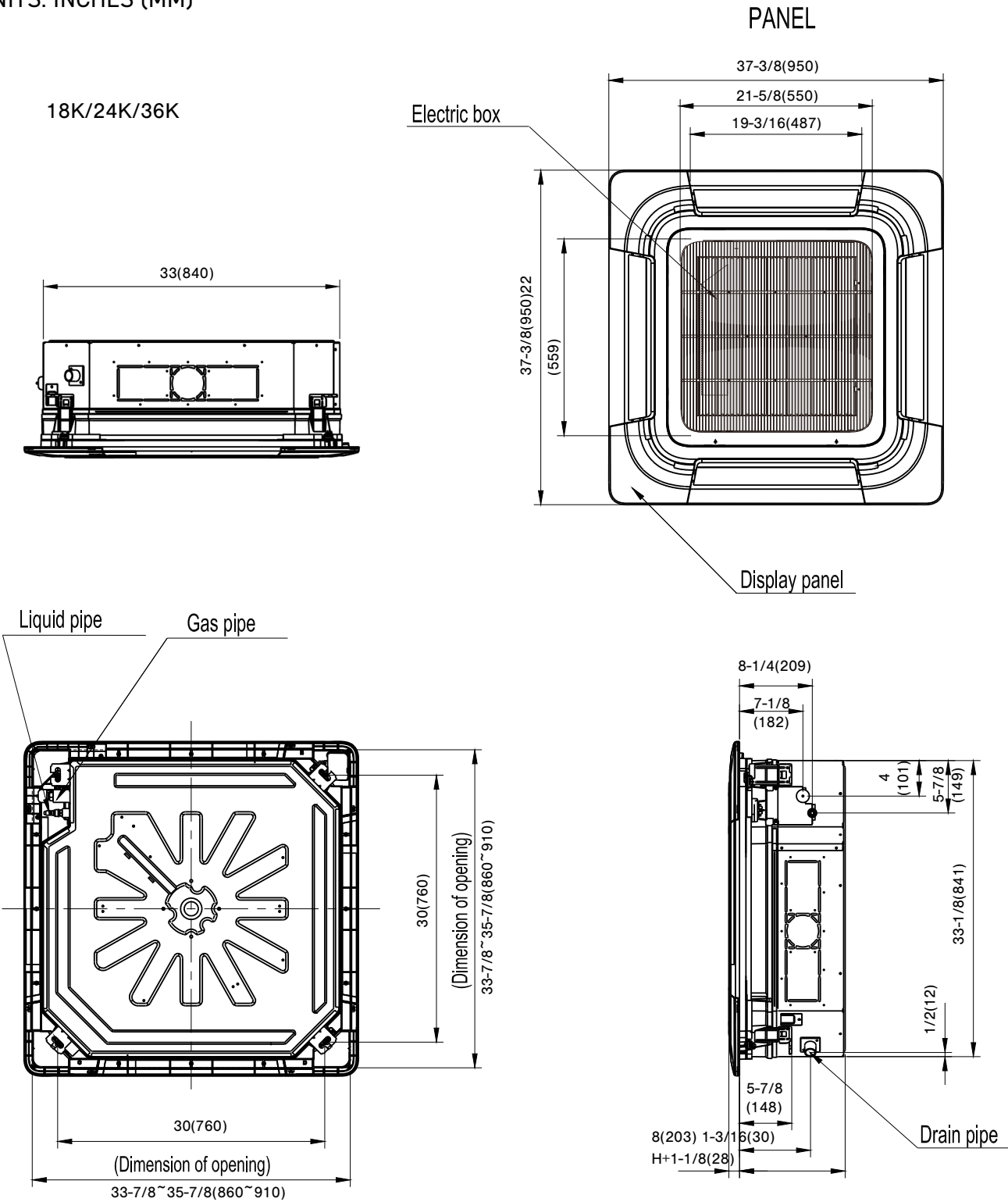
UNITS: INCHES



DIMENSIONAL DRAWINGS: CEILING CASSETTE

INDOOR UNIT / FPHFC18A3D, FPHFC24A3D, FPHSC36A3D

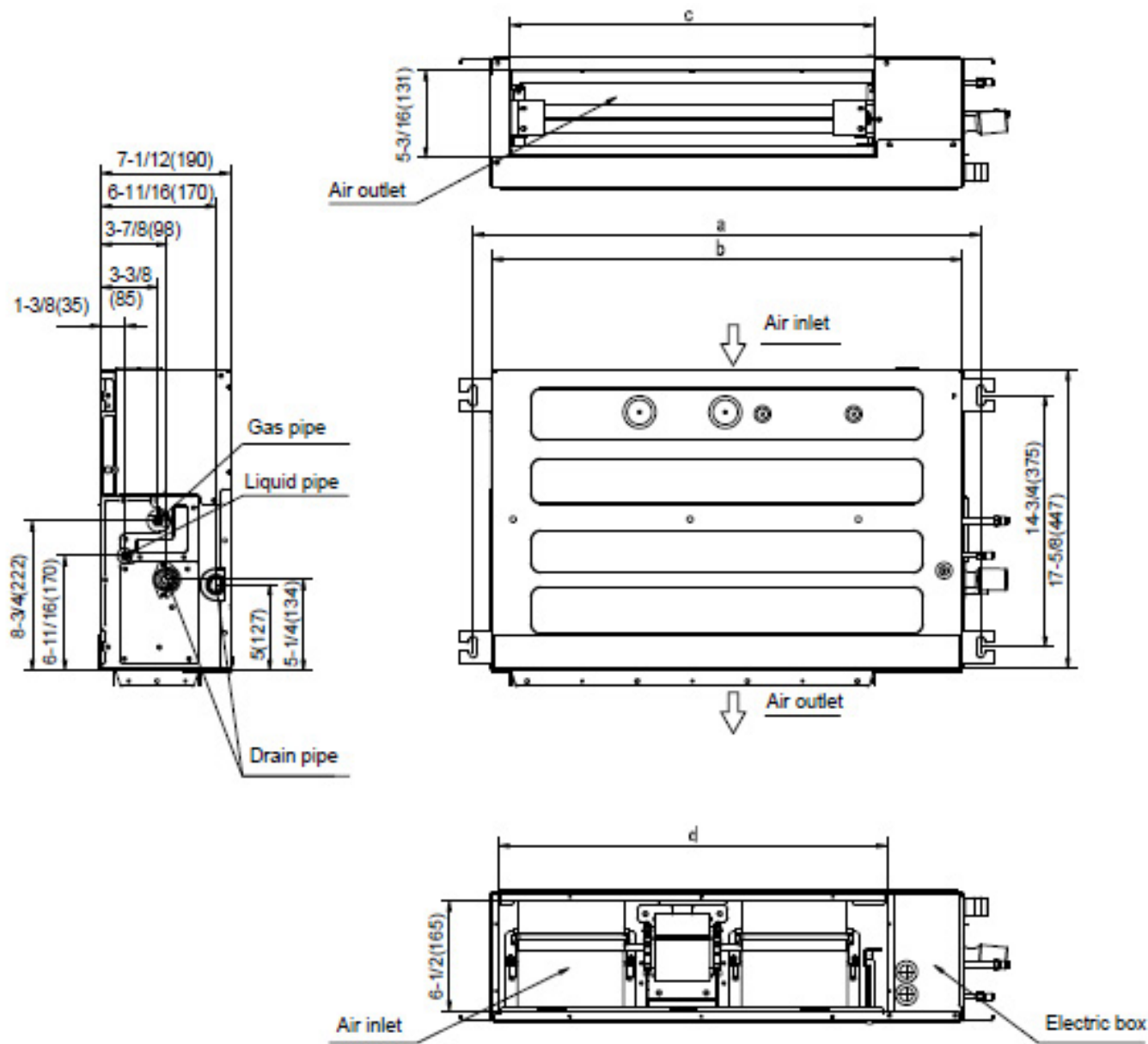
UNITS: INCHES (MM)



| Model   | H   |
|---------|-----|
| 18K/24K | 236 |
| 36K     | 272 |

**DIMENSIONAL DRAWINGS: CONCEALED DUCTED**  
INDOOR UNITS / FPHFD09A3D, FPHFD12A3D

UNITS: INCHES (MM)

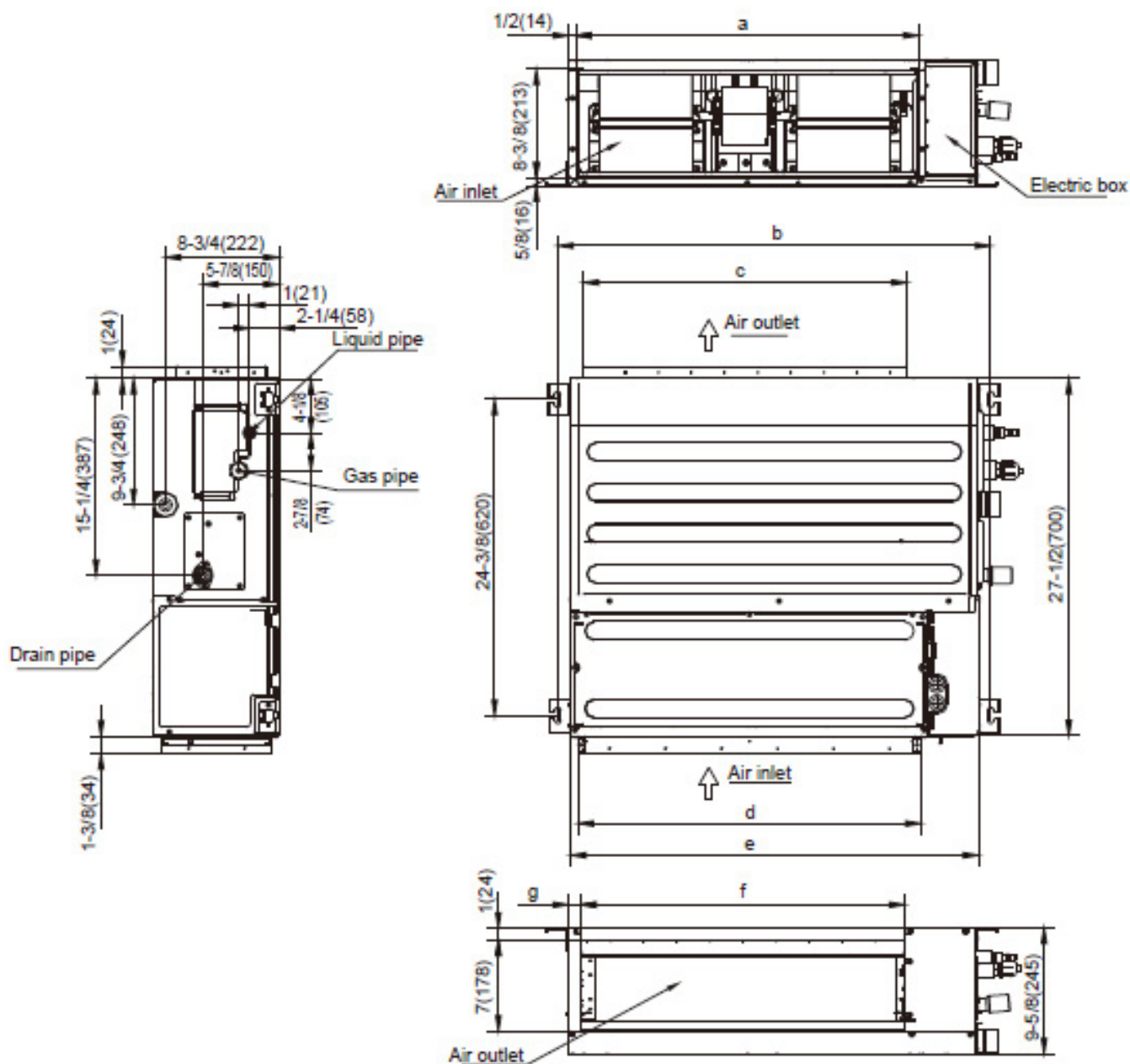


| Model (Btu/h) | a              | b              | c            | d        |
|---------------|----------------|----------------|--------------|----------|
| 9K/12K        | 37-13/16 (961) | 35-13/16 (910) | 29-1/2 (749) | 30 (786) |

## DIMENSIONAL DRAWINGS: CONCEALED DUCTED

INDOOR UNITS / FPHFD18A3D, FPHFD24A3D

UNITS: INCHES (MM)

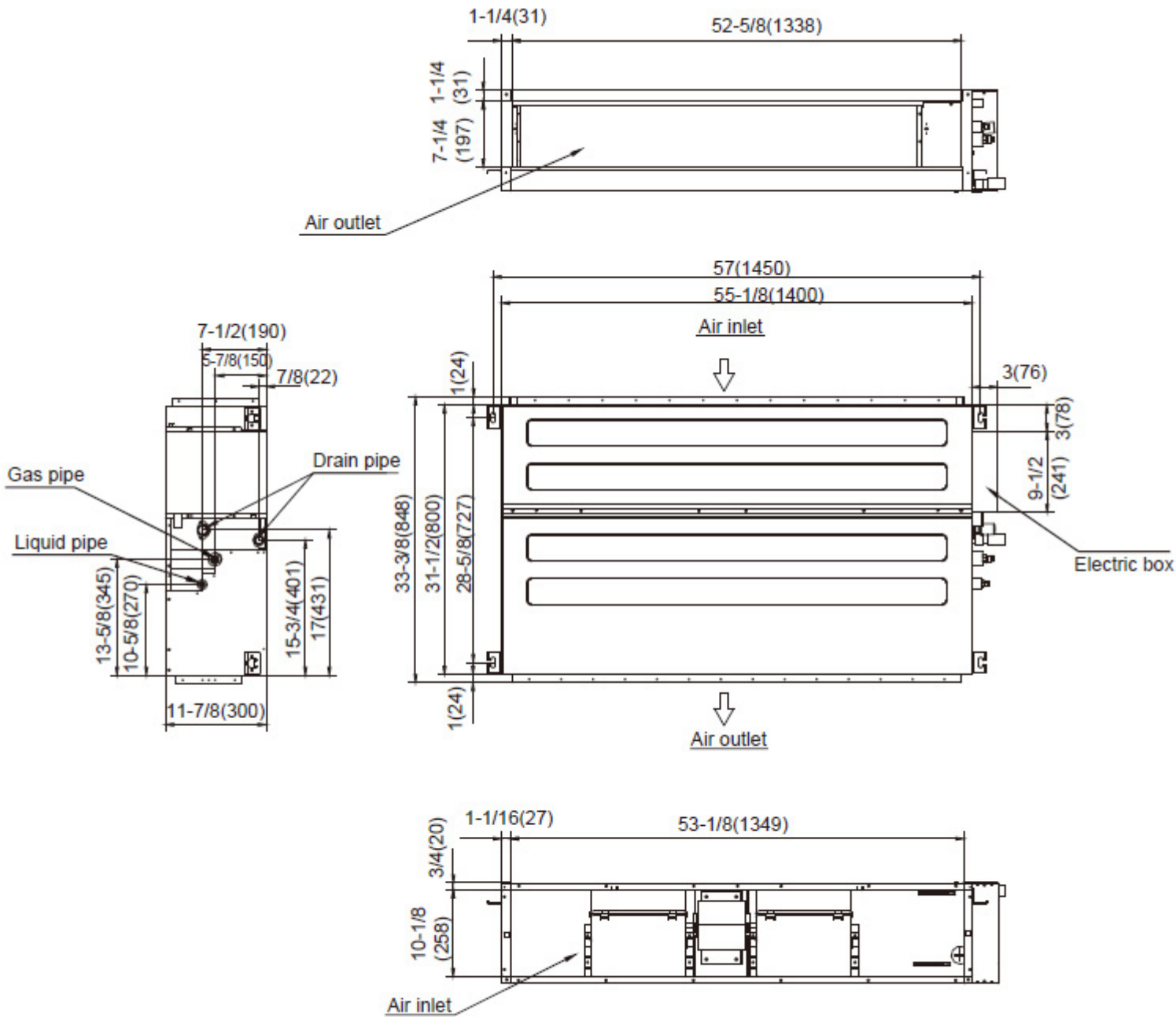


| Model (Btu/h) | a            | b              | c            | d            | e              | f            | g          |
|---------------|--------------|----------------|--------------|--------------|----------------|--------------|------------|
| <b>18K</b>    | 26-1/2 (674) | 33-1/2 (850)   | 25 /636)     | 26-1/2 (673) | 31-1/2 (800)   | 25 (636)     | 1 (24)     |
| <b>24K</b>    | 38-3/8 (974) | 45-1/4 (1,150) | 35-7/8 /912) | 38-1/4 (973) | 43-1/4 (1,100) | 35-7/8 (912) | 1-7/8 (49) |

**DIMENSIONAL DRAWINGS: CONCEALED DUCTED**

INDOOR UNITS / FPHSD36A3D

UNITS: INCHES (MM)



**DIMENSIONAL DRAWINGS - AIR HANDLER**

INDOOR UNIT / FPHFA18A3D, FPHFA24A3D

UNITS: INCHES (MM)

