



Floating Air™ *Prestige*®

DUCTLESS MINI-SPLIT SYSTEMS

CEILING CASSETTE 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

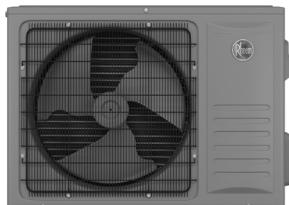
- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified
- Precision Inverter® technology (variable speed compressor)*
- Soft-Start™ compressor
- BLDC motor
- Built-in Wi-Fi
- Sleep mode
- 3 fan speeds
- Ultra quiet operation
- Precise 4-way air distribution
- Evaporator frost control
- Built-in drain lift
- Flexible installation
- Clean modern look
- Wireless remote control included



FPHFC09A3D, FPHFC12A3D



FPHFC18A3D, FPHFC24A3D,
FPHSC36A3D



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D,
FPHFR36A3D

Ceiling Cassette Grilles (Required)



FPCG0912A



FPCG182436A

| DECORATIVE GRILLE | |
|-----------------------------------|--|
| FPCG0912A | FPCG182436A |
| FITS FPHFC09A3D, FPHFC12A3D | FITS FPHFC18A3D, FPHFC24A3D, FPHFC36A3D |

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



*Applies to FSHW091C and FSHW183D model sets.

FLOATING AIR™ PRESTIGE® | SINGLE-ZONE | CEILING CASSETTE HEAT PUMPS

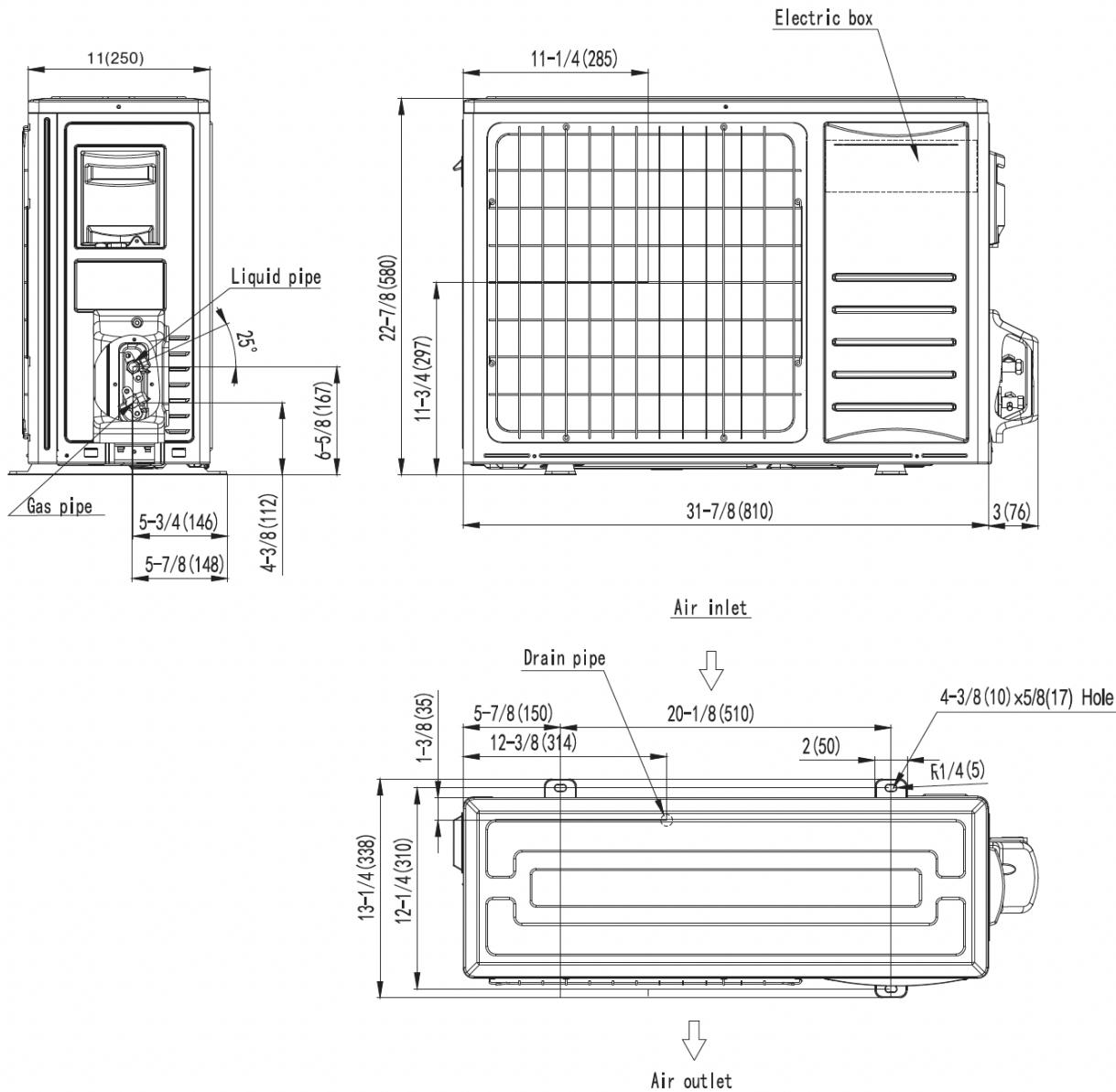
| MODEL | Model Set | Unit | FPHC093D | FPHC123D | FPHC183D | FPHC243D | FPHC363D |
|-----------------------------------|--|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | FPHFC09A3D | FPHFC12A3D | FPHFC18A3D | FPHFC24A3D | FPHSC36A3D |
| | | | FPHFR09A3D | FPHFR12A3D | FPHFR18A3D | FPHFR24A3D | FPHFR36A3D |
| | Power Supply | V/Hz/ph | | | 208V/230V~, 60Hz, 1P | | |
| COOLING | ENERGY STAR® Standard | Y/N | Y | Y | Y | Y | Y |
| | ENERGY STAR® - Cold Climate | Y/N | Y | Y | Y | Y | Y |
| | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 4,300–14,500 | 4,300–14,500 | 7,800–24,000 | 9,000–30,000 | 12,000–45,000 |
| HEATING | EER2 @ 95°F | Btu/h/W | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| | SEER2 | Btu/h/W | 20.00 | 20.00 | 20.00 | 20.00 | 19.50 |
| | Cooling Operating Range (Min.–Max.) | °F | 5–125 | 5–125 | 5–125 | 5–125 | 5–125 |
| | Rated Capacity @ 47°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| INDOOR AIRFLOW | Heating Capacity Range (Min.–Max.) | Btu/h | 5,500–18,000 | 5,500–18,000 | 8,500–24,000 | 7,500–34,000 | 11,000–45,000 |
| | COP @ 47°F | W/W | 3.52 | 3.52 | 3.38 | 3.52 | 3.70 |
| | COP @ 5°F | W/W | 1.80 | 1.80 | 2.00 | 2.00 | 2.00 |
| | HSPF2 | Btu/h/W | 9.50 | 9.50 | 10.00 | 10.50 | 9.50 |
| OUTDOOR AIRFLOW | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 8,900 | 8,900 | 14,100 | 19,100 | 25,500 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 12,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Maximum Heating Capacity @ -13°F (-25°C) | Btu/h | 8,400 | 8,400 | 12,600 | 16,200 | 25,200 |
| | Heating Operating Range (Min.–Max.) | °F | -22–75 | -22–75 | -22–75 | -22–75 | -22–75 |
| INDOOR FAN MOTOR | Air Circulation (Max./H/M/L) | ft³ CFM | 341/341/294/235 | 341/341/294/235 | 643/643/554/465 | 706/706/588/494 | 1,030/1,030/883/736 |
| OUTDOOR FAN MOTOR | Sound Rating – Indoor (High) | dB(A) | 52 | 52 | 50 | 53 | 60 |
| OUTDOOR FAN MOTOR | Output | W | 57 | 57 | 75 | 75 | 106 |
| OUTDOOR FAN MOTOR | Speed (High/Medium/Low) | r/min | 700/600/500 | 700/600/500 | 420/380/320 | 470/400/340 | 660/560/480 |
| ELECTRICAL | Air Circulation (High) for Outdoor | ft³ CFM | 1,354 | 1,354 | 1,853 | 2,235 | 3,350 |
| | Sound Rating – Outdoor | dB(A) | 64.0 | 64.0 | 68.0 | 71.0 | 74.0 |
| | Output | W | 40 | 40 | 60 | 110 | 250 |
| | Speed (High) | r/min | 880 | 880 | 880 | 870 | 850 |
| REFRIGERATION (R-454B) | Cooling (A) | 3.00 | 4.30 | 6.30 | 8.50 | 14.20 | |
| | Rated Current | Cooling (W) | 750 | 1,000 | 1,500 | 2,000 | 3,000 |
| | Heating (A) | 3.00 | 4.25 | 6.78 | 8.50 | 13.50 | |
| | Heating (W) | 750 | 1,000 | 1,560 | 2,000 | 2,850 | |
| INDOOR UNIT DIMENSIONS & WEIGHTS | MOP (Rating of Overcurrent Protective Device) | A | 20 | 20 | 25 | 30 | 50 |
| | MCA (Minimum Circuit Ampacity) | A | 12 | 12 | 16 | 22 | 30 |
| | Communication Wire Size and Type | | 4 × 14AWG |
| | Moisture Removal | pints/hr | 1.96 | 3.14 | 4.22 | 6.26 | 9.55 |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Refrigerant Charge Volume | oz. | 38.1 | 38.1 | 56.4 | 74.1 | 112.8 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 |
| | Gas Pipe | in. | 3/8 | 3/8 | 1/2 | 5/8 | 5/8 |
| | Max. Pipe Length (Total) | ft. | 130 | 130 | 150 | 165 | 164 |
| GRILLE DIMENSIONS & WEIGHTS | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 50 | 50 | 80 | 100 | 98 |
| | Pre-charge Pipe Length | ft. | 25 | 25 | 25 | 25 | 25 |
| | Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.16 | 0.16 | 0.16 | 0.38 | 0.38 |
| | Dimension (W×H×D) | in. | 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 | 33-1/8-10-3/4-33-1/8 |
| | | mm | 570×215×570 | 570×215×570 | 840×236×840 | 840×236×840 | 840×272×840 |
| | Packing (L×W×H) | in. | 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 | 37-3/8-14-1/8-37-3/8 |
| | | mm | 730×668×292 | 730×668×292 | 950×320×950 | 950×320×950 | 950×360×950 |
| | Net Weight | lbs. | 34.2 | 34.2 | 52.9 | 52.9 | 57.3 |
| | Shipping Weight | kg | 15.5 | 15.5 | 24.0 | 24.0 | 26.0 |
| | | lbs. | 40.8 | 40.8 | 63.9 | 63.9 | 70.6 |
| | | kg | 18.5 | 18.5 | 29.0 | 29.0 | 32.0 |
| | 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 | 43-1/4×34-1/2×17-3/4 |
| | | mm | 810×580×280 | 810×580×280 | 860×670×310 | 900×750×340 | 1,100×875×450 |
| | Packing (L×W×H) | in. | 37-1/8×12-1/2×5-1/4 | 37-1/8×12-1/2×5-1/4 | 39-17-3/4×28-3/4 | 41×32-5/8×18-1/8 | 45-7/8×39-1/2×21-1/4 |
| | | mm | 940×420×640 | 940×420×640 | 990×730×450 | 1,040×830×460 | 1,165×1,005×540 |
| | Net Weight | lbs. | 79.4 | 79.4 | 103.6 | 123.4 | 185.2 |
| | | kg | 36.0 | 36.0 | 47.0 | 56.0 | 84.0 |
| | Shipping Weight | lbs. | 86.0 | 86.0 | 111.3 | 132.3 | 209.4 |
| | | kg | 39.0 | 39.0 | 50.5 | 60.0 | 95.0 |
| | 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 | 37-3/8×2×37-3/8 |
| | | mm | 620×40×620 | 620×40×620 | 950×50×950 | 950×50×950 | 950×50×950 |
| | Packing (L×W×H) | 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 | 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 | 1,020×1,000×105 |
| | Net Weight | lbs. | 5.7 | 5.7 | 14.3 | 14.3 | 14.3 |
| | | kg | 2.6 | 2.6 | 6.5 | 6.5 | 6.5 |
| | Shipping Weight | lbs. | 9.9 | 9.9 | 19.8 | 19.8 | 19.8 |
| | | kg | 4.5 | 4.5 | 9.0 | 9.0 | 9.0 |

Standard With Registration



DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP

OUTDOOR UNITS/ FPHFR09A3D, FPHFR12A3D

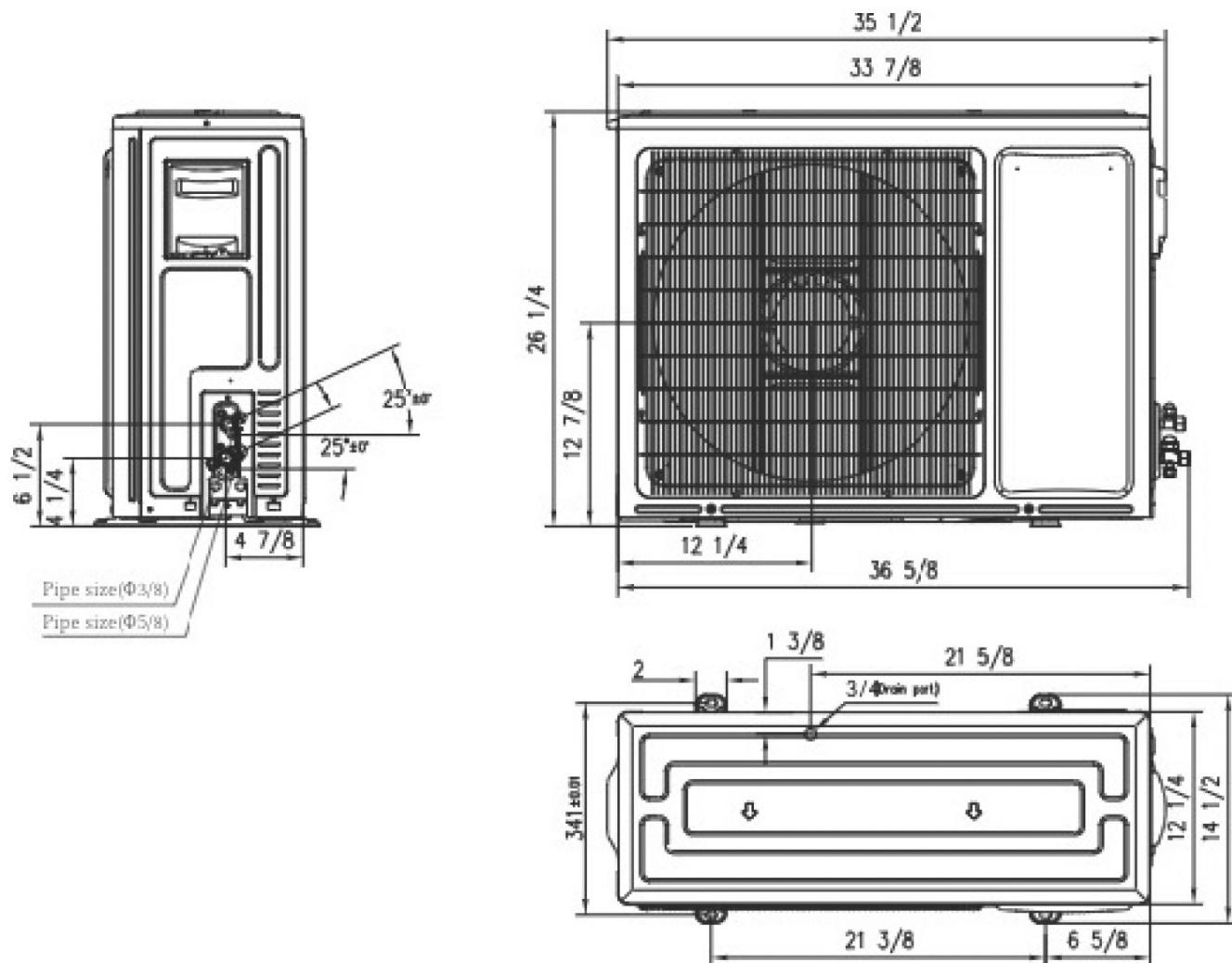


| Model | W | H | D |
|-------------------------------|---------|---------|---------|
| FPHFR09A3D, FPHFR12A3D | 31 7/8" | 22 7/8" | 12 2/8" |

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP

OUTDOOR UNITS/ FPHFR18A3D

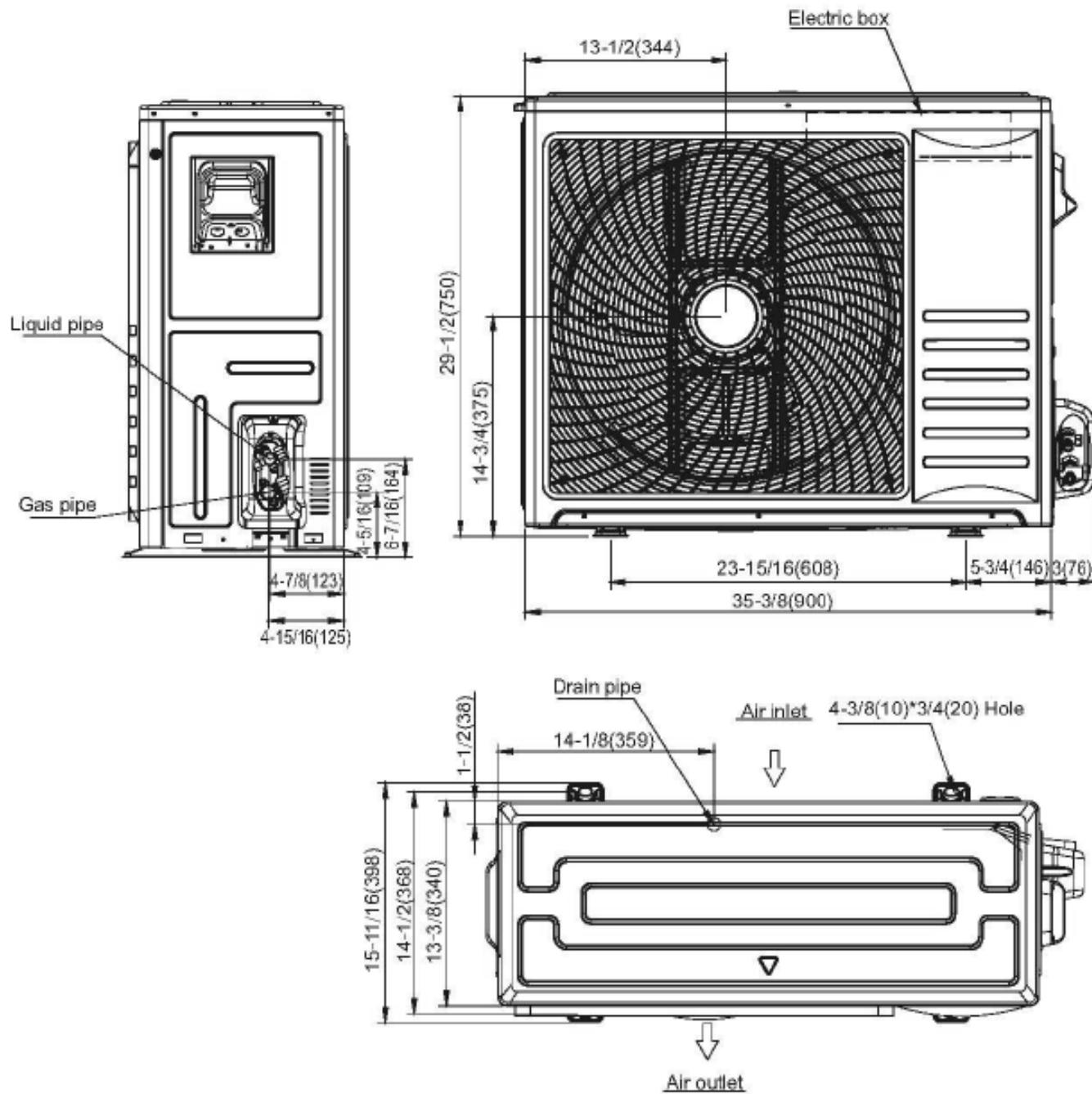


| Model | W | H | D |
|-------------------|---------|---------|---------|
| FPHFR18A3D | 33 7/8" | 26 2/8" | 12 2/8" |

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP

OUTDOOR UNITS/ FPHFR24A3D

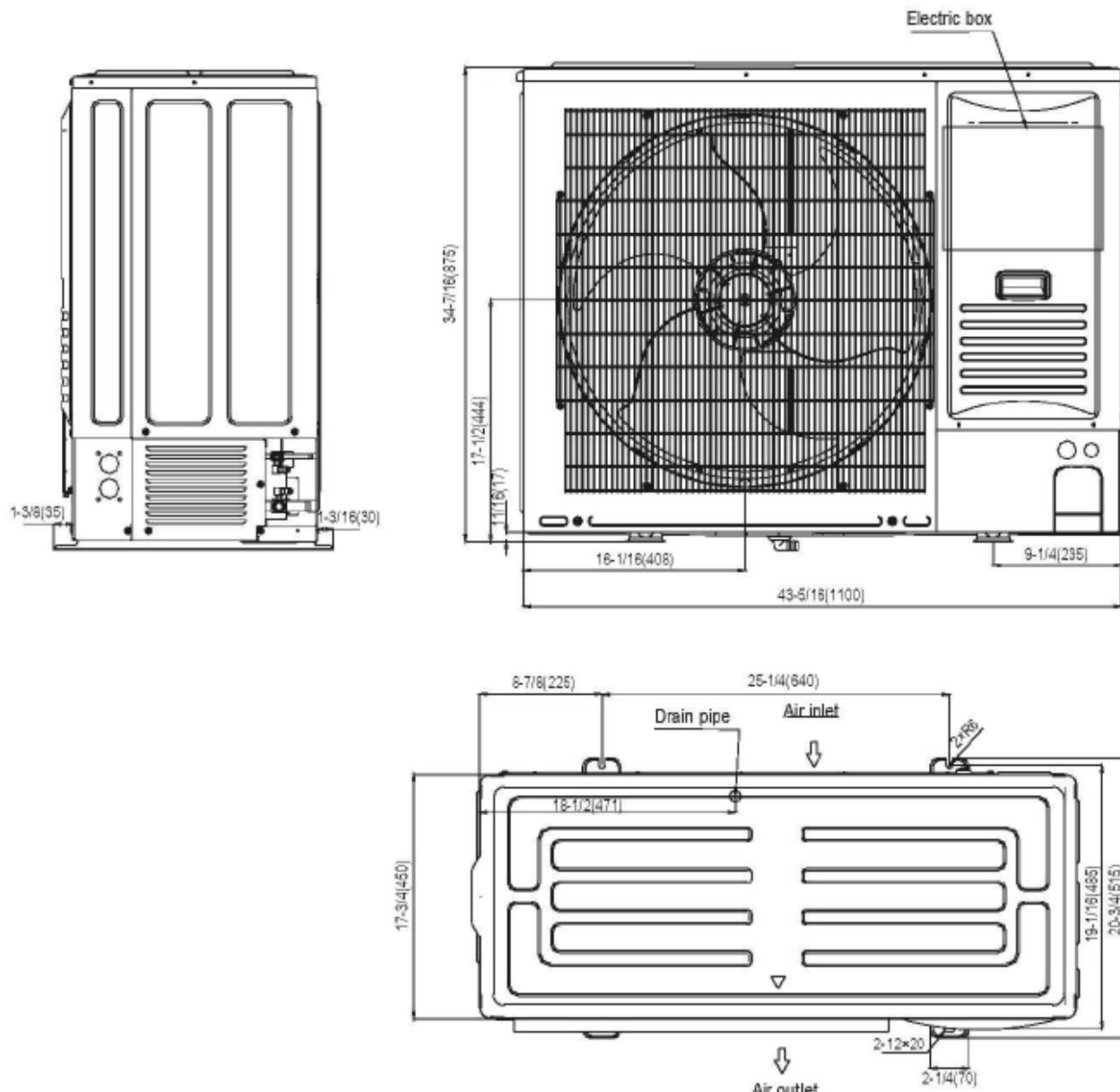


| Model | W | H | D |
|-------------------|---------|---------|---------|
| FPHFR24A3D | 35 5/8" | 29 1/2" | 13 3/8" |

UNITS: INCHES

DIMENSIONAL DRAWINGS: OUTDOOR HEAT PUMP

OUTDOOR UNITS/ FPHFR36A3D

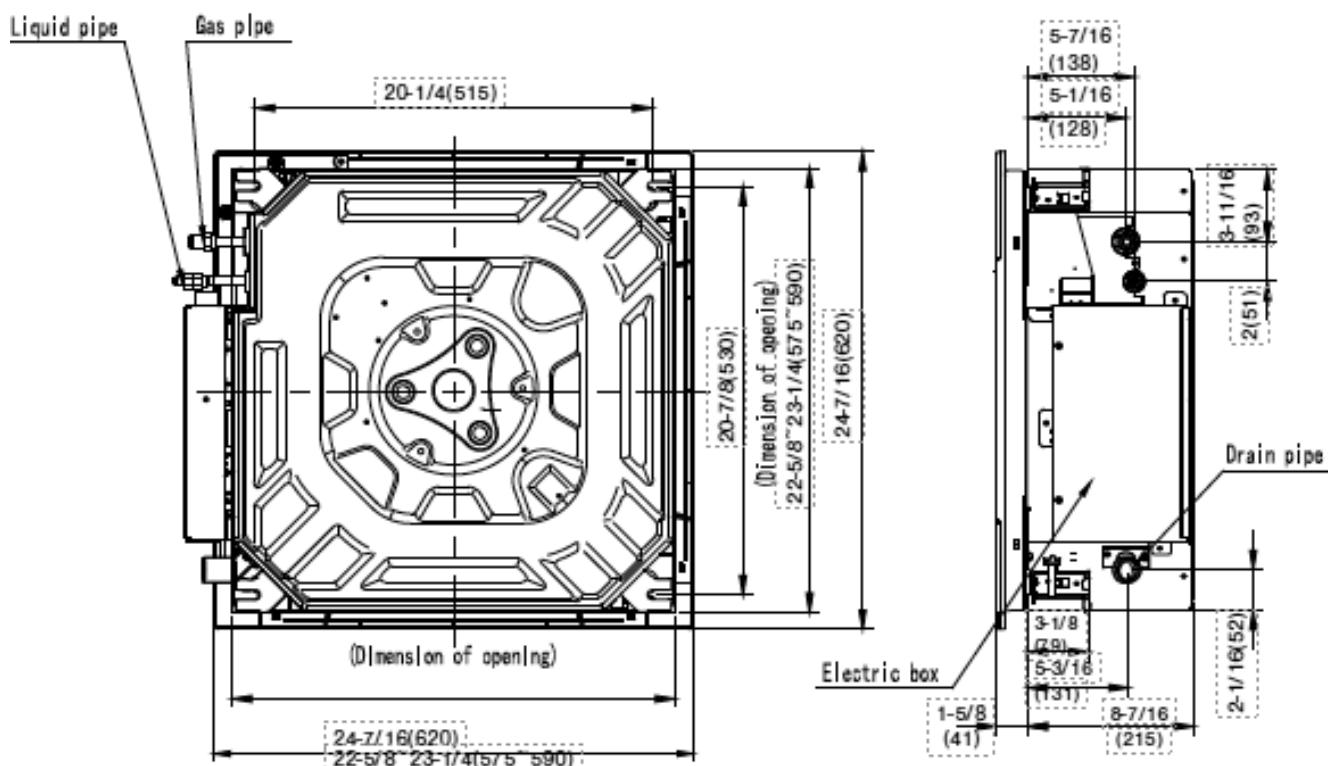
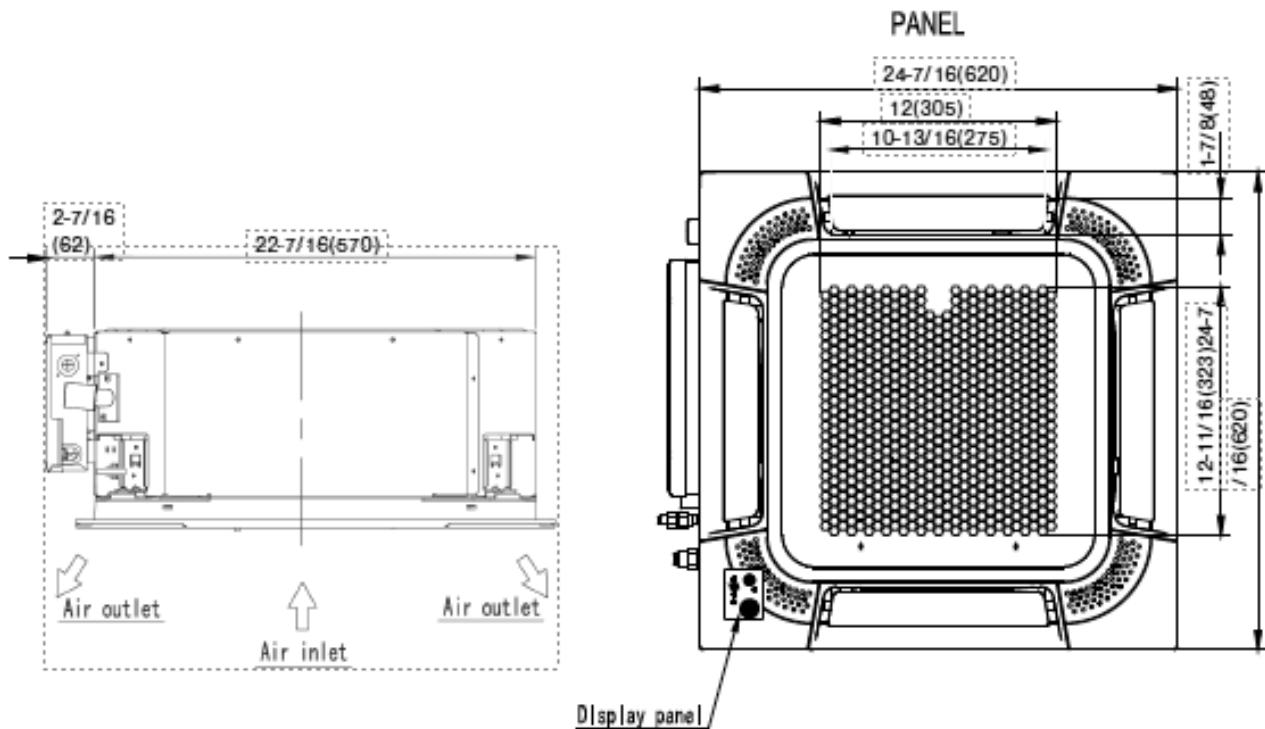


| Model | W | H | D |
|-------------------|----------|----------|----------|
| FPHFR36A3D | 43 5/16" | 34 7/16" | 19 1/16" |

UNITS: INCHES

DIMENSIONAL DRAWINGS: CEILING CASSETTE

INDOOR UNITS/ FPHFC09A3D, FPHFC12A3D

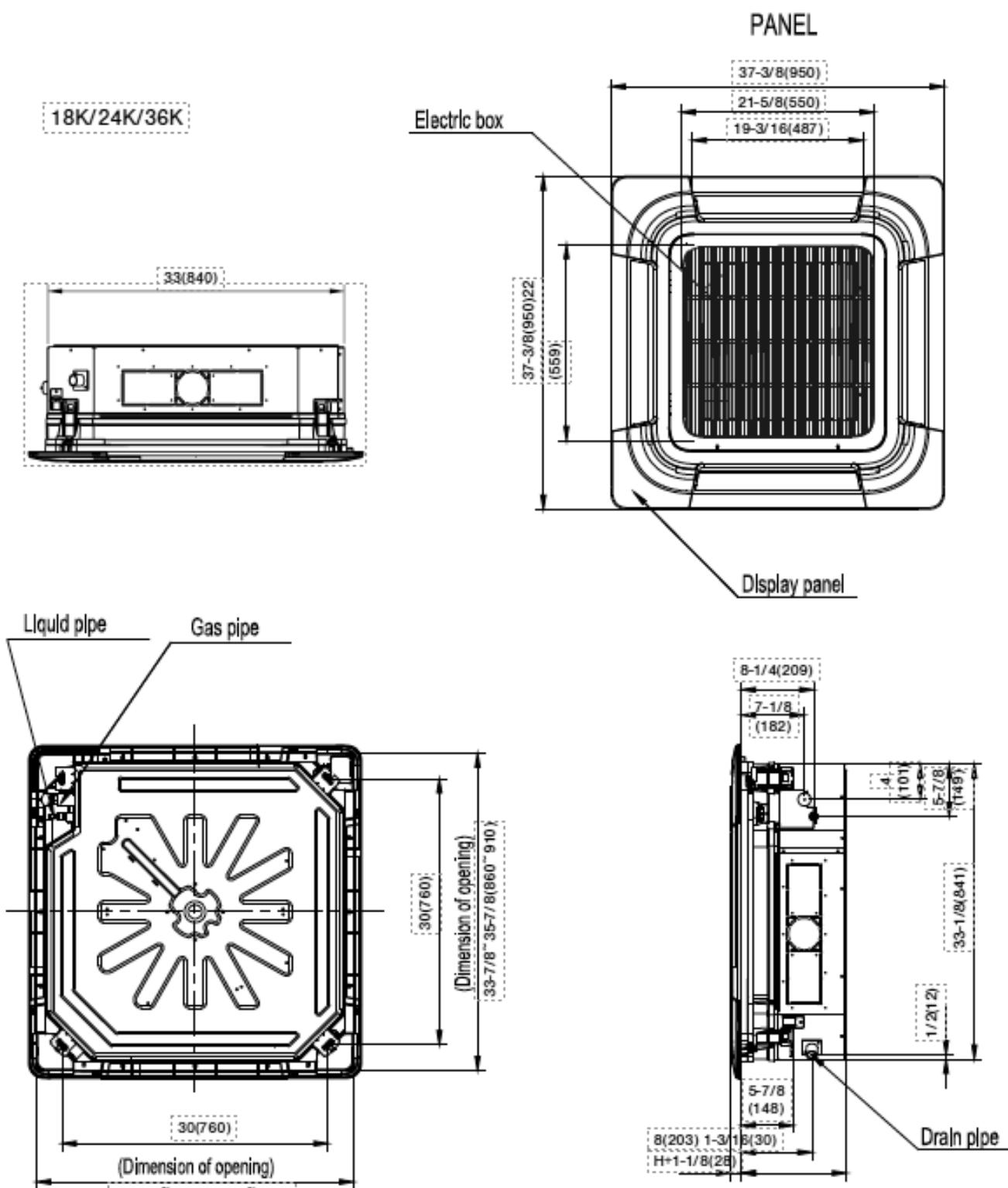


| Model | W | H | D |
|-------------------------------|----------|----------|---------|
| FPHFC09A3D, FPHFC12A3D | 24 7/16" | 24 7/16" | 8 7/16" |

UNITS: INCHES

DIMENSIONAL DRAWINGS: CEILING CASSETTE

INDOOR UNITS/ FPHFC18A3D, FPHFC24A3D, FPHSC36A3D



| Model | W | H | D |
|---|----------|----------|---------|
| FPHFC18A3D, FPHFC24A3D, FPHSC36A3D | 24 7/16" | 24 7/16" | 8 7/16" |

UNITS: INCHES

REFRIGERATION LINE SETS*

| Kit# | Length (ft.) | Liquid | Suction | System Model |
|--------|--------------|--------|---------|--------------------|
| T32150 | 15' | 1/4" | 3/8" | FPHC093D, FPHC123D |
| T32350 | 35' | 1/4" | 3/8" | |
| T41250 | 15' | 1/4" | 1/2" | FPHC183D |
| T42250 | 25' | 1/4" | 1/2" | |
| T52350 | 25' | 3/8" | 5/8" | FPHC243D |
| T53350 | 35' | 3/8" | 5/8" | |
| T63500 | 50' | 3/8" | 3/4" | FPHC363D |

*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. (ft.) |
|--------------|------------|------------|
| FPHC093D | 25 | 82 |
| FPHC123D | 25 | 82 |
| FPHC183D | 25 | 82 |
| FPHC243D | 25 | 164 |
| FPHC363D | 25 | 164 |

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 Pro, single- and multi-zone models. See your Rheem representative for options.