

SUBMITTAL DATA

FXE24HP230V1R32AH / FXU36HP230V1R32AO
24000 BTU/H Unitary Heat Pump Split System

| | | |
|------------------|--------------|------|
| Job Name | Location | Date |
| Purchaser | Engineer | |
| Submmited to | For | |
| Unit Designation | Schedule No. | |

| | |
|--|--|
|  <p>FXE24HP230V1R32AH</p> |  <p>FXU36HP230V1R32AO</p> |
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GENERAL FEATURES

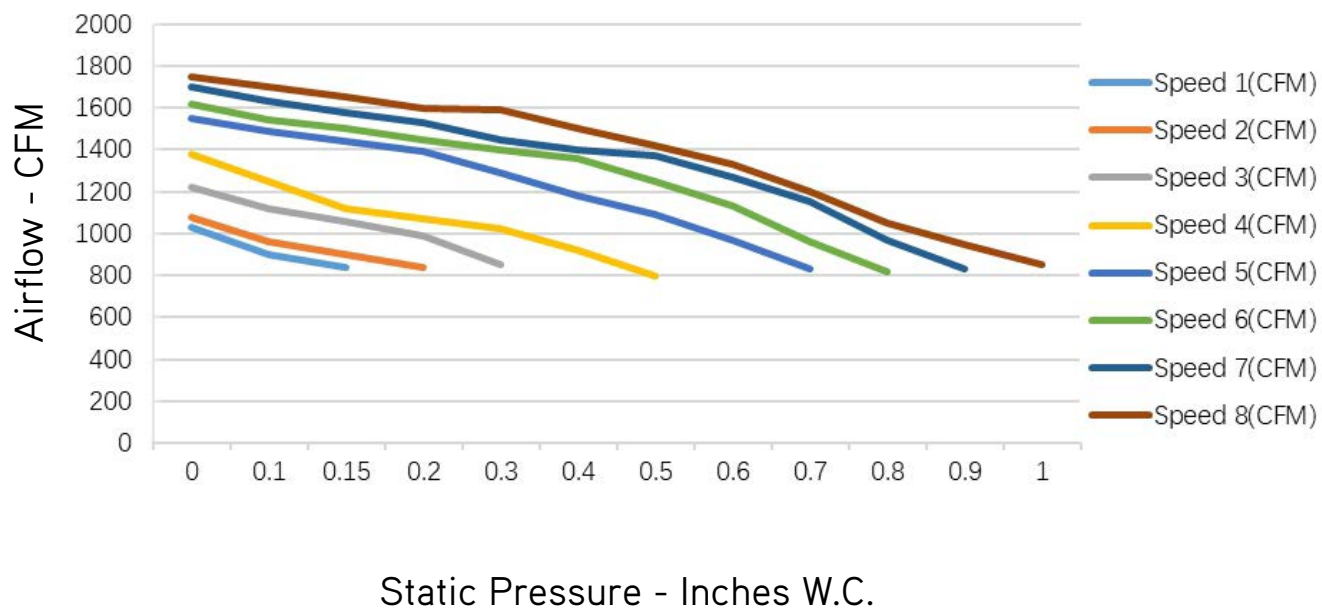
- AHRI Certificate: [217123256](#)
- High Efficiency DC Inverter Technology
- 24VAC Thermostat Compatible
- Zero Lot Line Design
- Match with GREE or Competitive Indoor Unit
- New R32 Refrigerant
- Designed for New Construction or Replacement Market
- Low Ambient Cooling down to -15°C (5°F)
- Low Ambient Heating down to -30°C (-22°F)
- Coil (Outdoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Gold Colored Fin - 1500Hr Salt Spray Rating)
- Coil (Indoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Blue Colored Fin - 500Hr Salt Spray Rating)

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

| SYSTEM TYPE | | | |
|---|----------------|---|------------------------------|
| Outdoor Model | | | FXU36HP230V1R32AO |
| Indoor Model | | | FXE24HP230V1R32AH |
| SYSTEM PERFORMANCE\$ | | | |
| Cooling Capacity | Min - Max | Btu/h | 12,000 - 30,000 |
| | Capacity @95°F | Btu/h | 24,000 |
| Heating Capacity | Min - Max | Btu/h | 17,287 - 27,000 |
| | Capacity @47°F | Btu/h | 25,000 |
| | Capacity @17°F | Btu/h | 20,600 |
| | Capacity @5°F | Btu/h | 24,000 |
| SEER2 | | | 18.0 |
| EER2 | | | 12.5 |
| HSPF2 | | | 10.0 |
| COP @5°F | | | 2.0 |
| COP @47°F | | | 3.5 |
| Cooling Temperature Range | | °F | 5 - 129 |
| Heating Temperature Range | | °F | -22 - 75 |
| Refrigerant Type | | | R32 |
| INDOOR UNIT | | | FXE24HP230V1R32AH |
| Power Supply | | VAC | 208-230V / 1Ph / 60 Hz |
| Sound Pressure Level | | dB(A) | 47 |
| Control Voltage | | VAC | 24 |
| Rated Current Cooling | | A | 10 |
| Rated Current Heating | | A | 10 |
| MCA | | A | 4.7 |
| MOCP | | A | 15 |
| Electric Heater (Optional) | | kW | 6 |
| Air Flow | | CFM | 800 |
| External Static Pressure (Up to) | | In W.c. | 1.0 |
| Dehumidification | | pt/hr | 4.25 |
| Drain Piping | | in | Φ1×0.05 |
| External Dimensions (W x H x D) | | in | 18-1/8 × 21-1/4 × 43-1/2 |
| Package Dimension (W x H x D) | | in | 20-5/8 × 26 × 45-5/8 |
| Net Weight | | lbs | 135.6 |
| Gross Weight | | lbs | 144.4 |
| OUTDOOR UNIT | | | FXU36HP230V1R32AO |
| Power Supply | | VAC | 208-230V / 1Ph / 60 Hz |
| Sound Pressure Level | | dB(A) | 61 |
| Control Voltage | | VAC | 24 |
| Rated Current Cooling | | A | 14.89 |
| Rated Current Heating | | A | 14.92 |
| MCA | | A | 27.7 |
| MOCP | | A | 30 |
| Cmpressor Type | | GREE G20 / Double Cylinder / 2 - Stage Inverter | |
| External Dimensions (W x H x D) | | in | 39 × 37-13/16 × 14-9/16 |
| Package Dimension (W x H x D) | | in | 45-3/8 × 43-11/16 × 18-13/16 |
| Net Weight | | lbs | 187.4 |
| Gross Weight | | lbs | 211.6 |
| Refrigerant Charge - R32 | | oz | 102.3 |
| Additional Charge | | oz/ft | 0.323 |
| REFRIGERANT PIPING | | | |
| Line Set Size (Liquid - Gas) - Flared Connections | | in | 3/8 - 3/4 |
| Pre-Charge Length | | ft | 25 |
| Pipe Length (Min - Max) | | ft | 10 - 164 |
| Max. Pipe Elevation | | ft | 98 |

| FEATURES & FUNCTIONS SUMMARY | |
|--|---------------|
| Ultra Low Frequency Torque Control | Yes |
| Power Factor Correction | Yes |
| Outdoor Electronic Expansion Valve (EEV) | Yes |
| Indoor TXV Control | Yes |
| Basepan With Electric Heater | Yes |
| Compressor With Electric Heater | Yes |
| Fin Coating (Outdoor - Golden & Indoor - Blue) | Acrylic Resin |
| Intelligent Defrosting | Yes |
| Intelligent Preheating | Yes |
| Low Voltage Startup | Yes |
| Memory/Power Failure Recovery | Yes |
| Self Diagnosis | Yes |
| Low Ambient Cooling | Yes |
| 24VAC Thermostat Compatible | Yes |
| Indoor Fan Type | Centrifugal |
| Multi Fan Speeds | 5 Speeds |
| Auxiliary Electrical Heater | Optional |

FAN PERFORMANCE



NOTE:

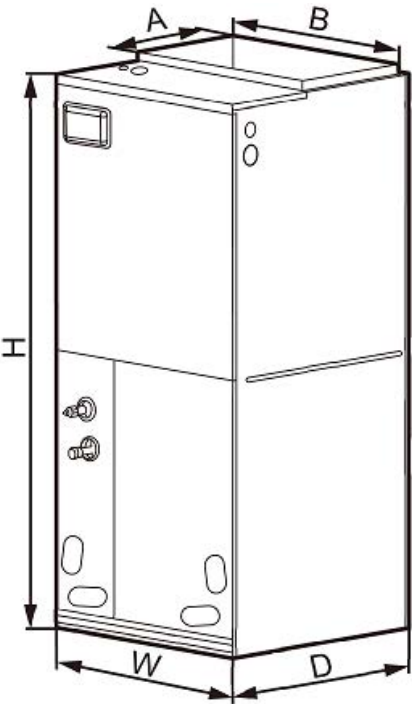
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

DIMENSIONS

INDOOR UNIT

Unit: inch

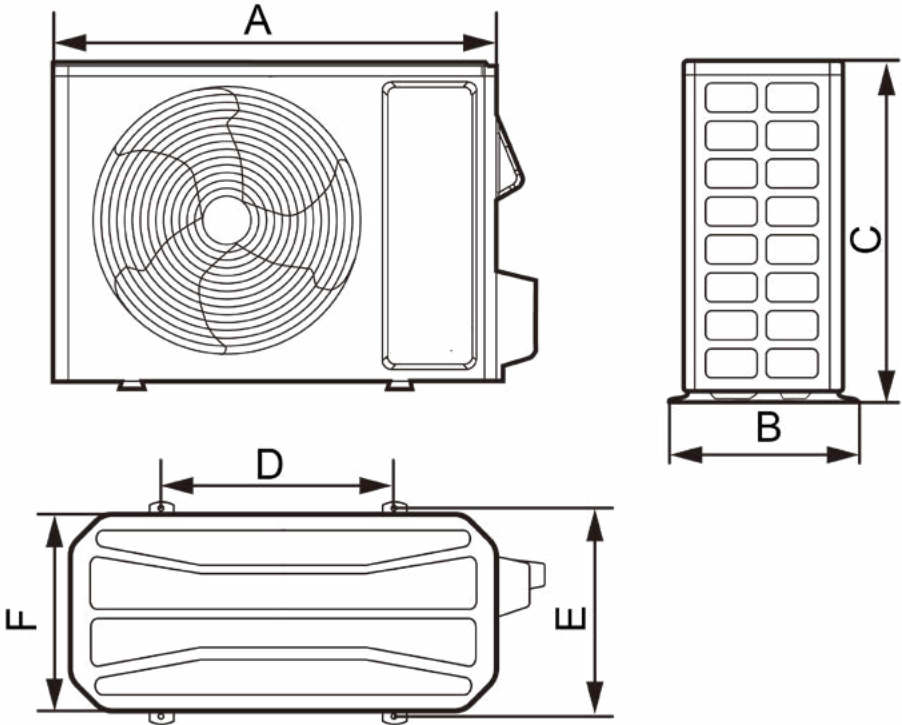
| FXE24HP230V1R32AH | |
|-------------------|--------|
| DIMENSIONS | |
| A | 11-5/8 |
| B | 16-3/4 |
| H | 43-1/2 |
| W | 18-1/8 |
| D | 21-1/4 |



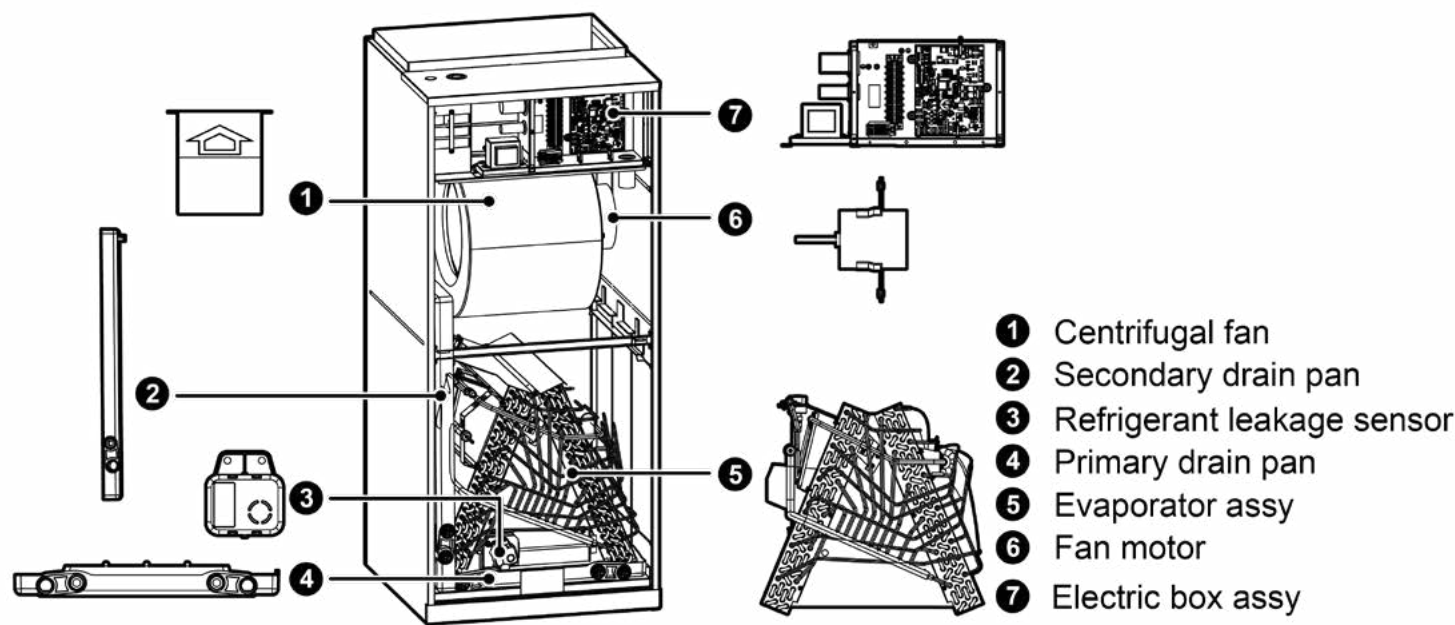
OUTDOOR UNIT

Unit: inch

| FXU36HP230V1R32AO | |
|-------------------|----------|
| DIMENSIONS | |
| A | 39 |
| B | 16-13/16 |
| C | 37-13/16 |
| D | 29-3/4 |
| E | 15-9/16 |
| F | 14-9/16 |



ACCESSORY HEATER AND GENERAL INFORMATION



| MODEL | Heat Kit Model | Part Number | Electric Heat (kW) | | Min. Circuit Ampacity (A) | | Max Fuse or Breaker (A) | |
|-------------------|----------------|--------------|--------------------|------|---------------------------|------|-------------------------|------|
| | | | 208V | 230V | 208V | 230V | 208V | 230V |
| FXE24HP230V1R32AH | 320004060223 | FLEXA2LHTR06 | 4.5 | 5.5 | 32 | 34.5 | 35 | 35 |

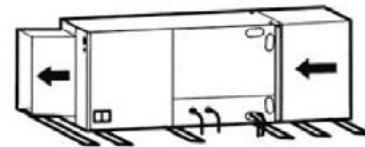
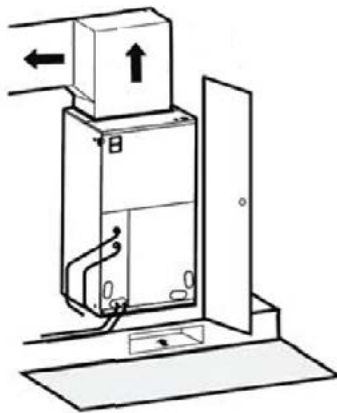
CLEARANCES

INDOOR UNIT

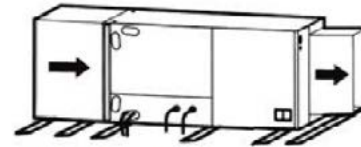
Minimum clearance

FRONT

> 24



Horizontal Left Configuration - No Modification Needed



Horizontal Right Configuration - Must Relocate Drain Pan

NOTE:

Allow a minimum of 24" in front of the unit for service clearance. When installing in an area directly over a finished ceiling (such as an attic), an emergency drain pan is required directly under the unit. **See local and state codes for requirements.** When installing this unit in an area that may become wet, elevate the unit with a sturdy, non-porous material. In installations that may lead to physical damage (i.e. a garage) it is advised to install a protective barrier to prevent such damage. This air handler is designed for a complete supply and return ductwork system.

OUTDOOR UNIT

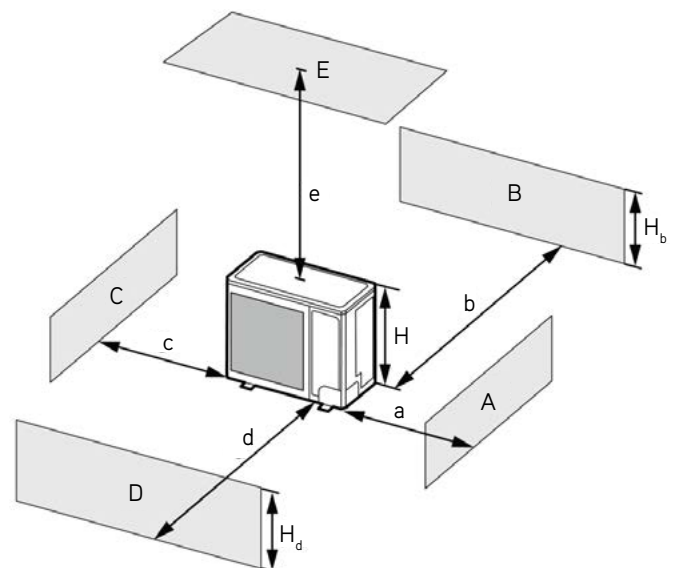
Minimum clearance

NOTE:

Install the Outdoor Unit **2 Inches** Above the Expected Snow Line

1. When one outdoor unit is to be installed.

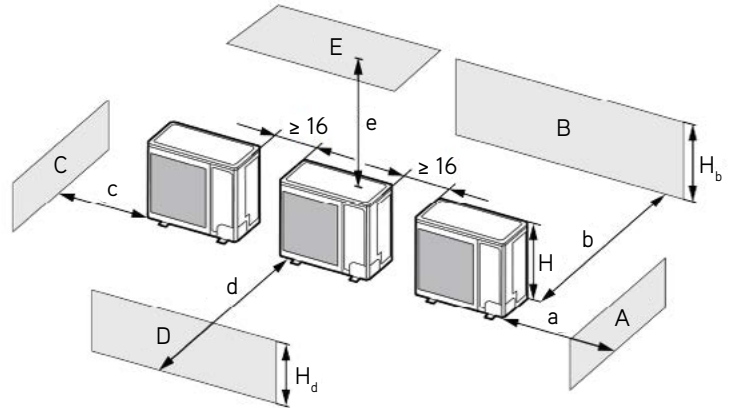
| A - E | H_b H_d H | | (in) | | | | |
|------------|-----------------|---------------------|------------|-----------|----------|-----------|-----------|
| | | | a | b | c | d | e |
| B | - | - | - | ≥ 4 | - | - | - |
| A, B, C | - | - | ≥ 12 | ≥ 4 | ≥ 4 | - | - |
| B, E | - | - | - | ≥ 4 | - | - | ≥ 40 |
| A, B, C, E | - | - | ≥ 12 | ≥ 6 | ≥ 6 | - | ≥ 40 |
| D | - | - | - | - | - | ≥ 40 | - |
| D, E | - | - | - | - | - | ≥ 40 | ≥ 40 |
| B, D | $H_b < H_d$ | $H_d < H$ | - | ≥ 4 | - | ≥ 40 | - |
| | $H_b > H_d$ | $H_d > H$ | - | ≥ 4 | - | ≥ 40 | - |
| B, D, E | $H_b \leq 1/2H$ | | - | ≥ 10 | - | ≥ 80 | ≥ 40 |
| | $H_b < H_d$ | $1/2H < H_b \leq H$ | - | ≥ 10 | - | ≥ 80 | ≥ 40 |
| | $H_b > H$ | | Prohibited | | | | |
| | $H_b > H_d$ | $H_d \leq 1/2H$ | - | ≥ 4 | - | ≥ 80 | ≥ 40 |
| | $H_b > H_d$ | $1/2H < H_d \leq H$ | - | ≥ 8 | - | ≥ 80 | ≥ 40 |
| | $H_d > H$ | | Prohibited | | | | |



CLEARANCES

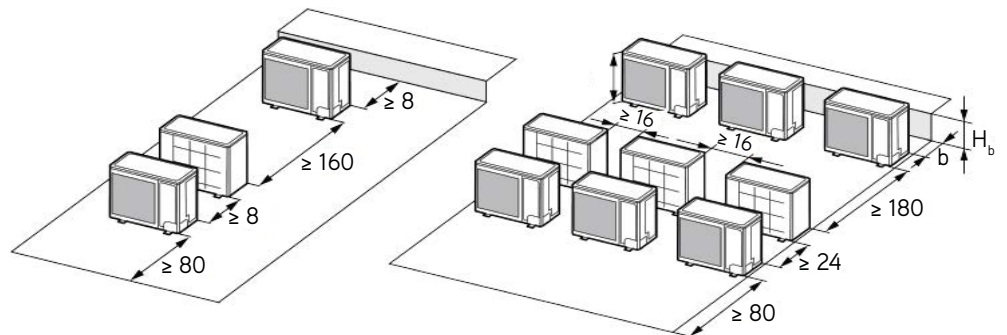
2. When two or more outdoor units are to be installed side by side.

| A - E | H_b H_d H | (in) | | | | |
|------------|-----------------|---------------------|------------|-----------|-----------|------------|
| | | a | b | c | d | e |
| A, B, C | - | ≥ 12 | ≥ 12 | ≥ 40 | - | - |
| A, B, C, E | - | ≥ 12 | ≥ 12 | ≥ 40 | - | ≥ 40 |
| D | - | - | - | - | ≥ 80 | - |
| D, E | - | - | - | - | ≥ 80 | ≥ 40 |
| B, D | $H_b < H_d$ | - | ≥ 12 | - | ≥ 80 | - |
| | $H_b > H_d$ | - | ≥ 10 | - | ≥ 80 | - |
| B, D, E | $H_b > H_d$ | $H_d \leq 1/2H$ | - | ≥ 12 | - | ≥ 100 |
| | $H_b > H_d$ | $1/2H < H_d \leq H$ | - | ≥ 12 | - | ≥ 80 |
| | $H_b > H_d$ | $H_b \leq 1/2H$ | - | ≥ 12 | - | ≥ 80 |
| | $H_b > H_d$ | $1/2H < H_b \leq H$ | - | ≥ 12 | - | ≥ 100 |
| | $H_b > H_d$ | $H_b > H$ | Prohibited | | | |
| | $H_b > H_d$ | $H_d \leq 1/2H$ | - | ≥ 10 | - | ≥ 100 |
| | $H_b > H_d$ | $1/2H < H_d \leq H$ | - | ≥ 12 | - | ≥ 100 |
| | $H_b > H_d$ | $H_d > H$ | Prohibited | | | |



3. When outdoor units are installed in rows.

| H_b H_d | (in) |
|---------------------|-------------|
| $H_b \leq 1/2H$ | $b \leq 10$ |
| $1/2H < H_b \leq H$ | $b \leq 12$ |
| $H_b > H_d$ | Prohibited |



4. When outdoor units are installed one above another.

