



SUBMITTAL DATA

FXU12HP230V1R32AH / FXU18HP230V1R32AO
12000 BTU/H Unitary Heat Pump Split System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	
		
FXU12HP230V1R32AH	FXU18HP230V1R32AO	WK-010WC1

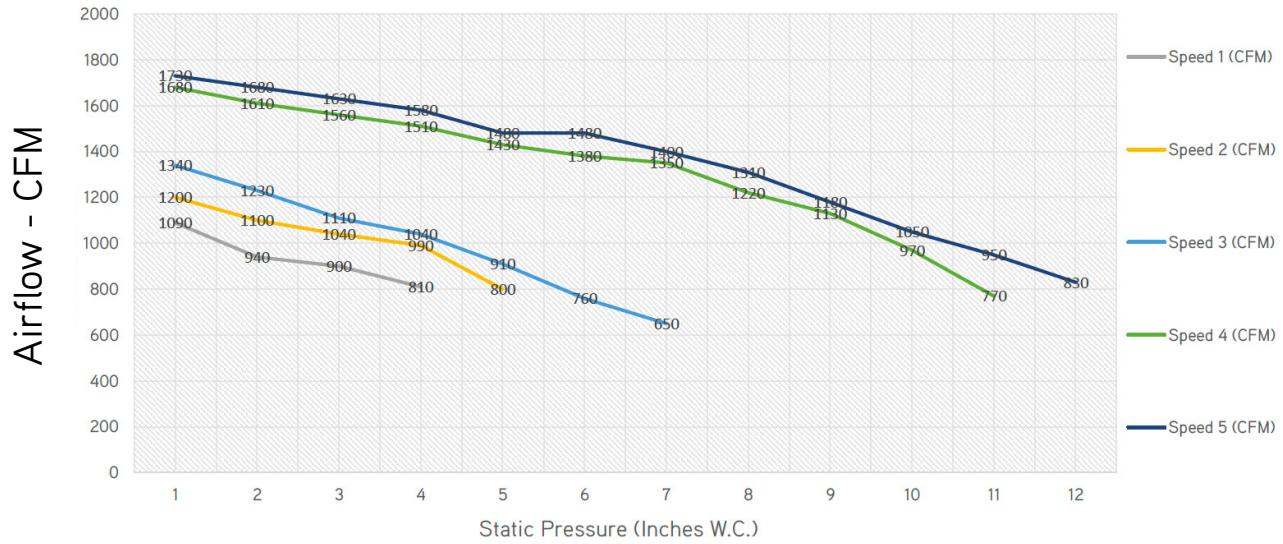
GENERAL FEATURES

- AHRI Certificate: [217738840](#)
- High Efficiency DC Inverter Technology
- 24VAC Thermostat Compatible
- Zero Lot Line Design
- Match with GREE or Competitive Indoor Unit
- New R32 Refrigerant
- WK-010WC1 Programmable Wired Controller Included
- 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 Coating (Gold Colored Fin - 1500Hr Salt Spray Rating)
- Coil (Indoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coating (Blue Colored Fin - 500Hr Salt Spray Rating)

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			FEATURES & FUNCTIONS SUMMARY	
Outdoor Model			Ultra Low Frequency Torque Control	
Indoor Model			Yes	
SYSTEM PERFORMANCE			Power Factor Correction	
Cooling Capacity	Min - Max	Btu/h	10,000 - 19,000	Yes
	Capacity @95°F	Btu/h	17,000	Yes
Heating Capacity	Min - Max	Btu/h	10,000 - 19,000	Yes
	Capacity @47°F	Btu/h	17,000	Yes
	Capacity @17°F	Btu/h	14,500	Yes
	Capacity @5°F	Btu/h	17,000	Acrylic Resin
SEER2			Intelligent Defrosting	
EER2			Yes	
HSPF2			Intelligent Preheating	
COP @5°F			Low Voltage Startup	
Cooling Temperature Range	°F	5 - 129	Memory/Power Failure Recovery	
Heating Temperature Range	°F	-22 - 75	Yes	
Refrigerant Type			Self Diagnosis	
INDOOR UNIT			Low Ambient Cooling	
Power Supply	VAC	208-230V / 1Ph / 60 Hz	24VAC Thermostat Compatible	
Sound Pressure Level	dB(A)	50	Yes	
Control Voltage	VAC	24	Indoor Fan Type	
MOCP	A	15	Centrifugal	
MCA	A	4.6	Multi Fan Speeds	
Electric Heater (Optional)	kW	5, 10	Optional	
Air Flow	CFM	650	Auxiliary Electrical Heater	
External Static Pressure (Up to)	In W.c.	1.0	A2L Leak Detection Sensor (Indoor)	
Dehumidification	pt/hr	3.01	Factory Installed	
External Dimensions (W x H x D)	in	18-1/8 x 43-1/2 x 21-1/4		
Package Dimension (W x H x D)	in	20-5/8 x 45-5/8 x 26		
Net Weight	lbs	135.6		
Gross Weight	lbs	144.4		
OUTDOOR UNIT			<td data-kind="ghost"></td>	
Power Supply	VAC	208-230V / 1Ph / 60 Hz		
Sound Pressure Level	dB(A)	59		
Control Voltage	VAC	24		
Rated Current Cooling	A	14		
Rated Current Heating	A	15		
MOCP	A	20		
MCA	A	19		
Compressor Type	GREE G20 / Double Cylinder / 2 - Stage Inverter			
External Dimensions (W x H x D)	in	36-1/4 x 29-3/8 x 14-9/16		
Package Dimension (W x H x D)	in	42-1/4 x 31-1/2 x 19		
Net Weight	lbs	133.4		
Gross Weight	lbs	143.3		
Refrigerant Charge - R32	oz	56.4		
Additional Charge	oz/ft	0.108		
REFRIGERANT PIPING				
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 1/2		
Pre-Charge Length	ft	31		
Pipe Length (Min - Max)	ft	10 - 66		
Max. Pipe Elevation	ft	33		

FAN PERFORMANCE



Static Pressure - Inches W.C.

STATIC PRESSURE Inches W.C.	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1 - CFM	1090	940	900	810								
Speed 2 - CFM	1200	1100	1040	990	800							
Speed 3 - CFM	1340	1230	1110	1040	910	760	650					
Speed 4 - CFM	1680	1610	1560	1510	1430	1380	1350	1220	1130	970	770	
Speed 5 - CFM	1730	1680	1630	1580	1480	1480	1400	1310	1180	1050	950	830

NOTE:

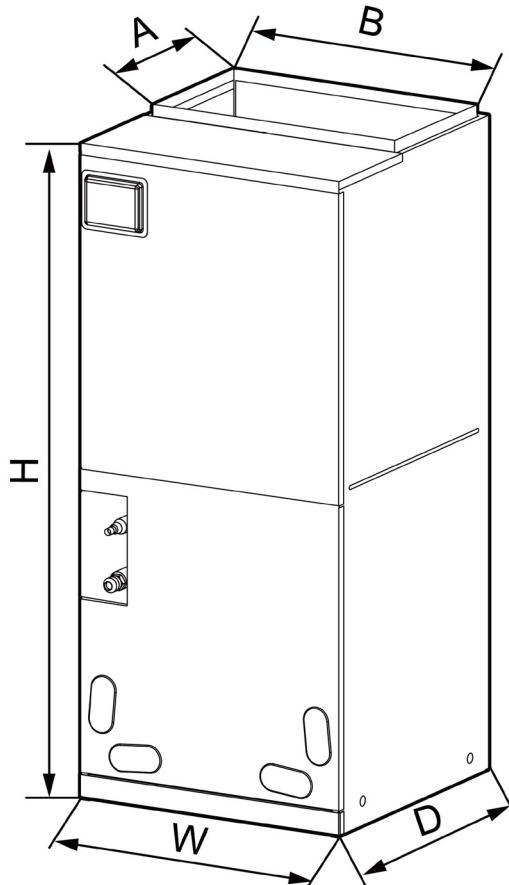
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

DIMENSIONS

INDOOR UNIT

Unit: inch

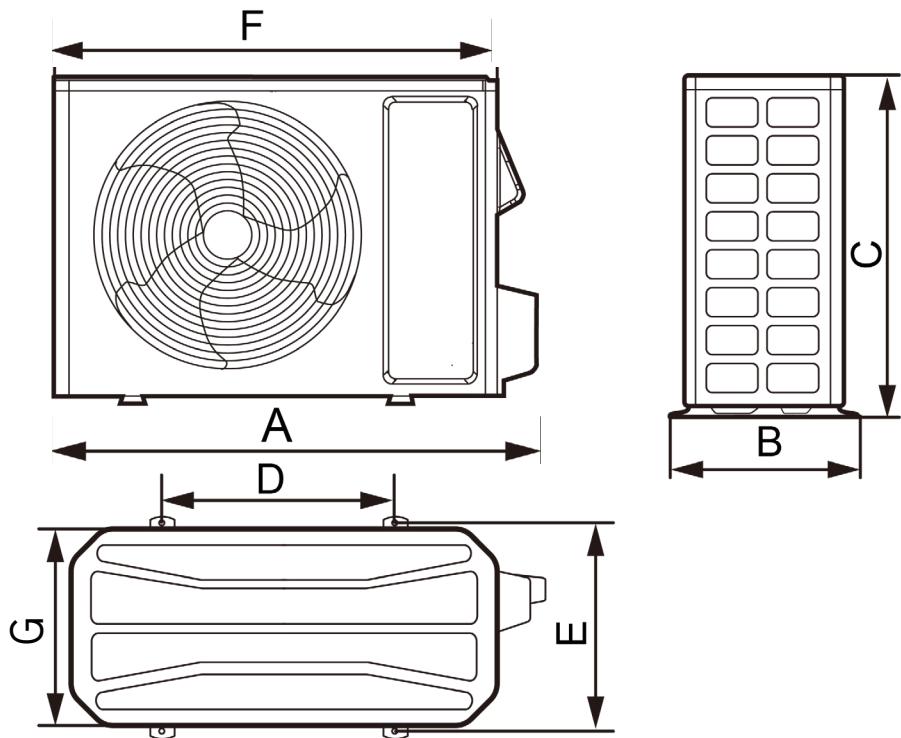
FXU12HP230V1R32AH	
DIMENSIONS	
A	11-5/8
B	16-3/4
H	43-1/2
W	18-1/8
D	21-1/4



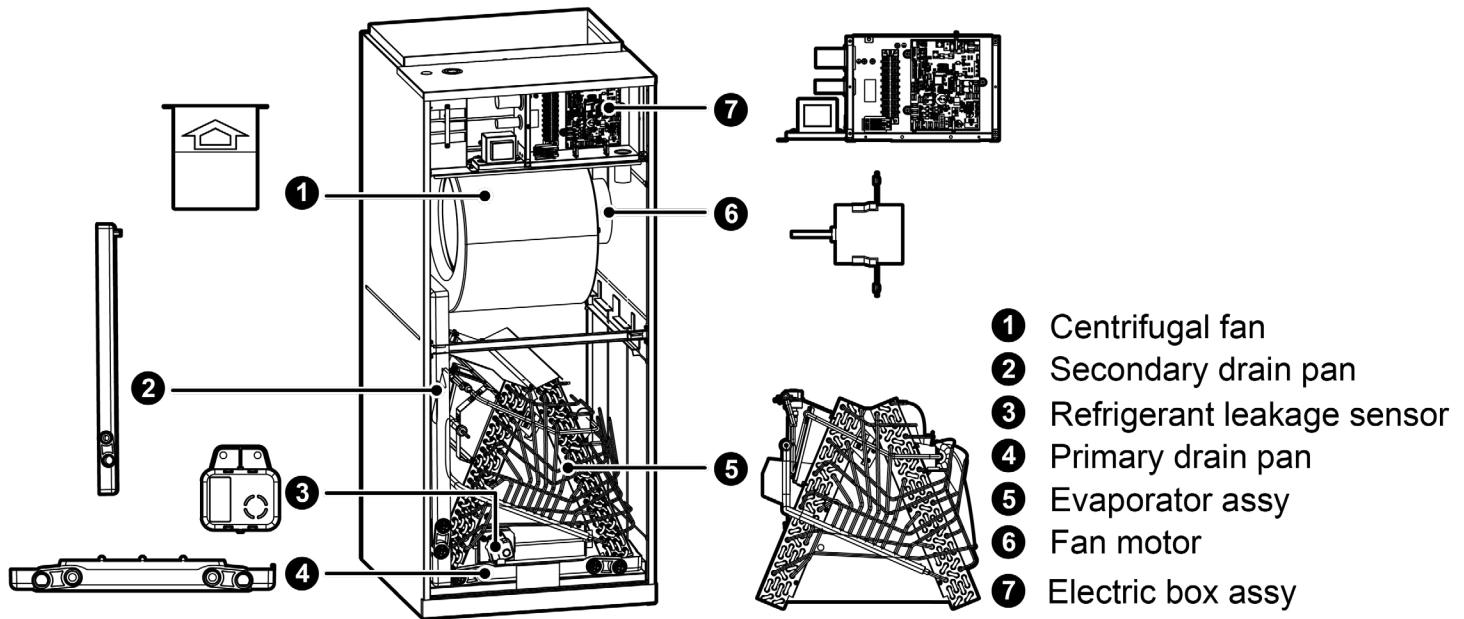
OUTDOOR UNIT

Unit: inch

FXU18HP230V1R32AO	
DIMENSIONS	
A	39-3/8
B	16-13/16
C	29-3/8
D	24
E	15-9/16
F	36-1/4
G	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
FXU12HP230V1R32AH	320004060249	FLEXA2LHTR05KWD	3.74	4.6	28	29.9	30	35
	320004060250	FLEXA2LHTR10KWD	7.49	9.2	50	55	60	60

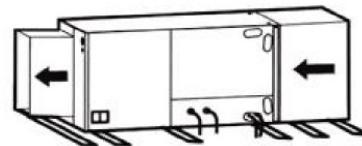
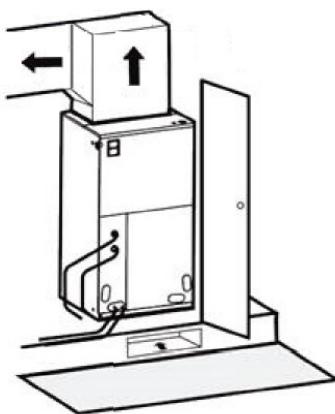
CLEARANCES

INDOOR UNIT

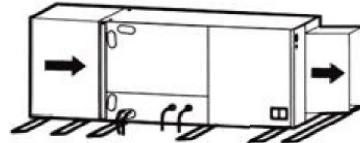
Minimum clearance

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

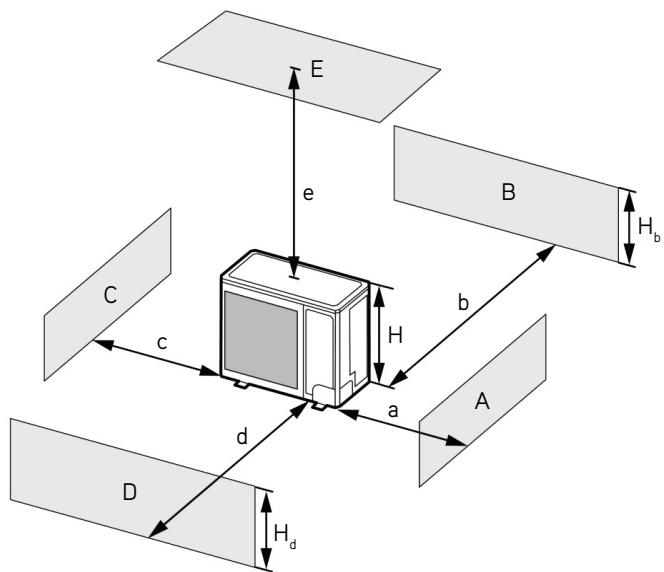
Minimum clearance

NOTE:

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

1. When one outdoor unit is to be installed.

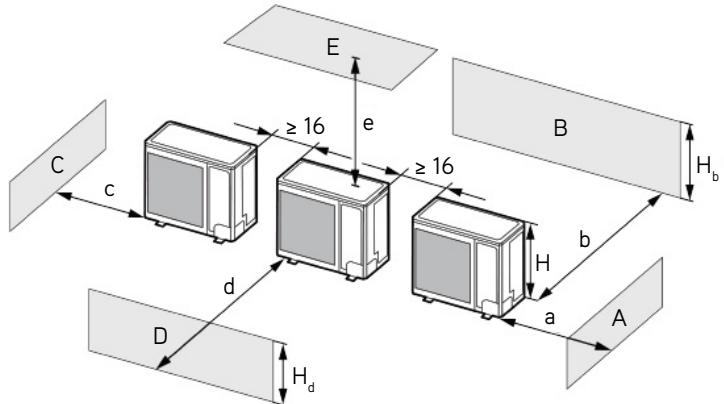
A - E	H _b H _d H	(in)				
		a	b	c	d	e
B	-	-	≥ 4	-	-	-
A, B, C	-	≥ 12	≥ 4	≥ 4	-	-
B, E	-	-	≥ 4	-	-	≥ 40
A, B, C, E	-	≥ 12	≥ 6	≥ 6	-	≥ 40
D	-	-	-	-	≥ 40	-
D, E	-	-	-	-	≥ 40	≥ 40
B, D	H _b < H _d	H _d < H	-	≥ 4	-	≥ 40
	H _b > H _d	H _d > H	-	≥ 4	-	≥ 40
B, D, E	H _b ≤ 1/2H		-	≥ 10	-	≥ 80
	H _b < H _d		-	≥ 10	-	≥ 80
	H _b > H		Prohibited			
	H _b ≤ 1/2H	-	≥ 4	-	≥ 80	≥ 40
H _b > H _d	1/2H < H _b ≤ H		-	≥ 8	-	≥ 80
	H _d > H		Prohibited			



CLEARANCES

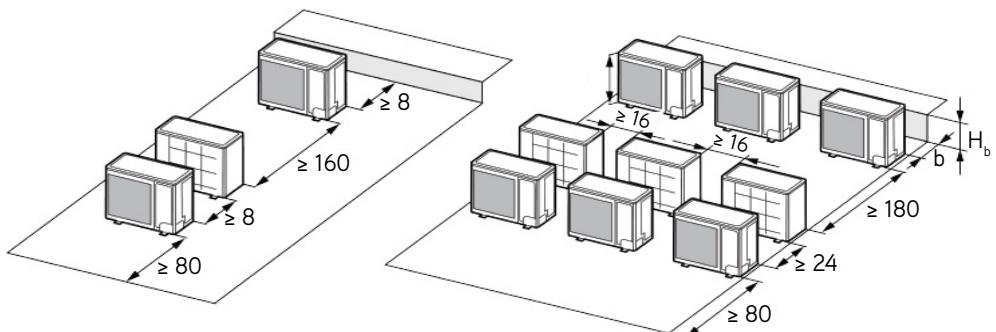
2. When two or more outdoor units are to be installed side by side.

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	$H_b < H_d$	$H_d > H$		-	≥ 12	-	≥ 80	-
B, D, E	$H_b > H_d$	$H_d \leq 1/2H$		-	≥ 10	-	≥ 80	-
		$1/2H < H_d \leq H$		-	≥ 12		≥ 100	
	$H_b \leq 1/2H$			-	≥ 12	-	≥ 80	≥ 40
	$H_b < H_d$	$1/2H < H_b \leq H$		-	≥ 12	-	≥ 100	≥ 40
B, D, E	$H_b > H$	Prohibited						
	$H_d \leq 1/2H$	-	≥ 10	-	≥ 100	≥ 40		
	$H_b > H_d$	$1/2H < H_d \leq H$	-	≥ 12	-	≥ 100	≥ 40	
$H_d > H$				Prohibited				

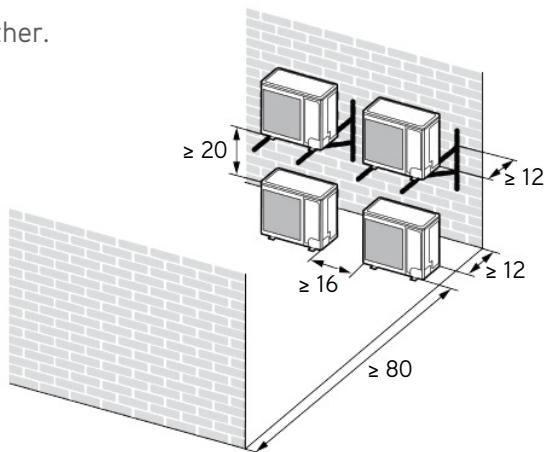


3. When outdoor units are installed in rows.

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.



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