




SUBMITTAL DATA

FXU48HP230V1R32AH / FXU48HP230V1R32AO
48000 BTU/H Unitary Heat Pump Split System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	

		
FXU48HP230V1R32AH	FXU48HP230V1R32AO	WK-010WC1

GENERAL FEATURES

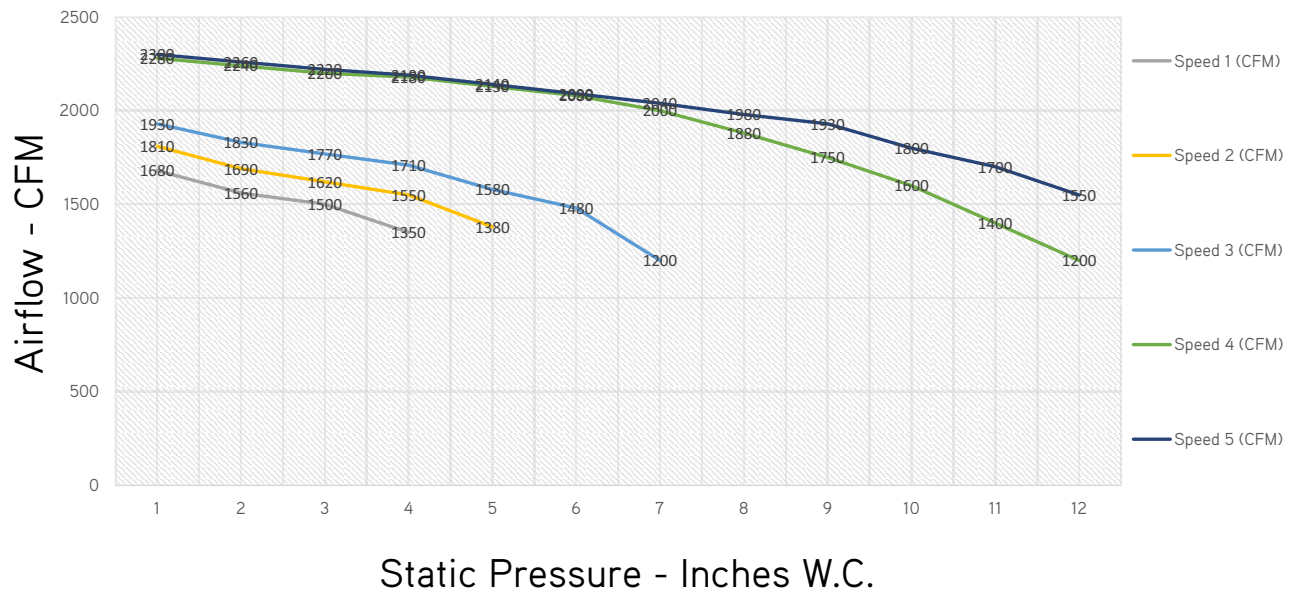
- AHRI Certificate: [215213331](#)
- High Efficiency DC Inverter Technology
- 24VAC Thermostat Compatible
- Zero Lot Line Design
- Match with GREE or Competitive Indoor Unit
- New R32 Refrigerant
- WK-010WC1 Programmable Wired Controller Included
- Designed for New Construction or Replacement Market
- 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 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		FXU48HP230V1R32AO
Indoor Model		FXU48HP230V1R32AH
SYSTEM PERFORMANCE		
Cooling Capacity	Min - Max	Btu/h 33,792 - 55,000
	Capacity @95°F	Btu/h 48,000
Heating Capacity	Min - Max	Btu/h 25,162 - 50,880
	Capacity @47°F	Btu/h 48,000
	Capacity @17°F	Btu/h 39,500
	Capacity @5°F	Btu/h 48,000
SEER2		19.0
EER2		12.0
HSPF2		10.0
COP @5°F		2.0
Cooling Temperature Range		°F 5 - 129
Heating Temperature Range		°F -22 - 75
Refrigerant Type		R32
INDOOR UNIT		FXU48HP230V1R32AH
Power Supply		VAC 208-230V / 1Ph / 60 Hz
Sound Pressure Level		dB(A) 52
Control Voltage		VAC 24
MOCP		A 15
MCA		A 7.1
Electric Heater (Optional)		kW 5, 6, 9, 10, 12, 15, 20
Air Flow		CFM 1200
External Static Pressure (Up to)		In W.c. 1.0
Dehumidification		pt/hr 8.49
External Dimensions (W x H x D)		in 24-13/16 x 52 x 21-1/4
Package Dimension (W x H x D)		in 27-1/4 x 54-3/16 x 26
Net Weight		lbs 199.5
Gross Weight		lbs 218.3
OUTDOOR UNIT		FXU48HP230V1R32AO
Power Supply		VAC 208-230V / 1Ph / 60 Hz
Sound Pressure Level		dB(A) 62
Control Voltage		VAC 24
Rated Current Cooling		A 30
Rated Current Heating		A 32
MOCP		A 45
MCA		A 39.9
Compressor Type		GREE G20 / Double Cylinder / 2 - Stage Inverter
External Dimensions (W x H x D)		in 35-7/16 x 49-5/8 x 13-3/8
Package Dimension (W x H x D)		in 40-11/16 x 55-3/16 x 17-3/8
Net Weight		lbs 241.4
Gross Weight		lbs 263.5
Refrigerant Charge - R32		oz 162.3
Additional Charge		oz/ft 0.215
REFRIGERANT PIPING		
Line Set Size (Liquid - Gas) - Flared Connections		in 3/8 - 3/4
Pre-Charge Length		ft 31
Pipe Length (Min - Max)		ft 10 - 98
Max. Pipe Elevation		ft 49

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
A2L Leak Detection Sensor (Indoor)	Factory Installed

FAN PERFORMANCE



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	1680	1560	1500	1350								
Speed 2 - CFM	1810	1690	1620	1550	1380							
Speed 3 - CFM	1930	1830	1770	1710	1580	1480	1200					
Speed 4 - CFM	2280	2240	2200	2180	2130	2080	2000	1880	1750	1600	1400	1200
Speed 5 - CFM	2300	2260	2220	2190	2140	2090	2040	1980	1930	1800	1700	1550

NOTE:

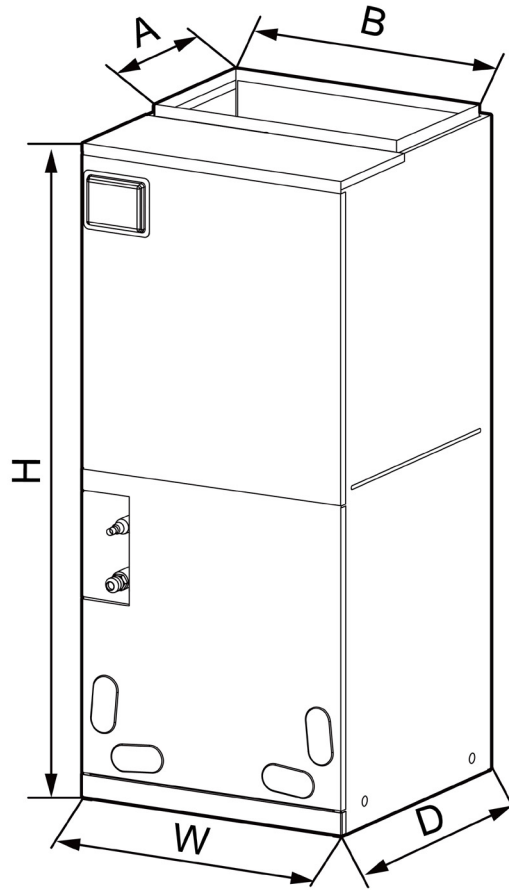
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

DIMENSIONS

INDOOR UNIT

Unit: inch

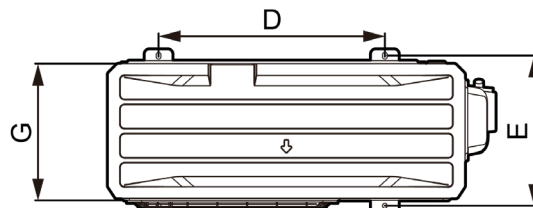
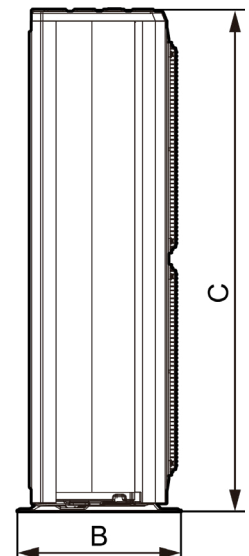
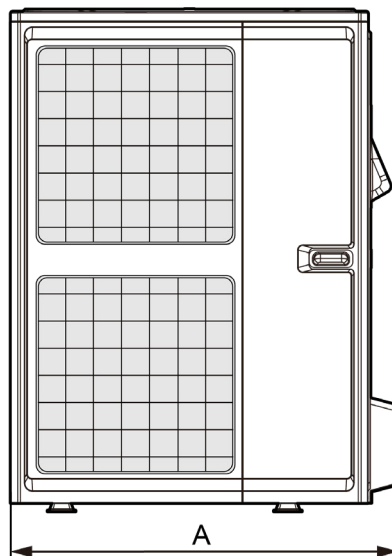
FXU48HP230V1R32AH	
DIMENSIONS	
A	11-5/8
B	20
H	52
W	24-13/16
D	21-1/4



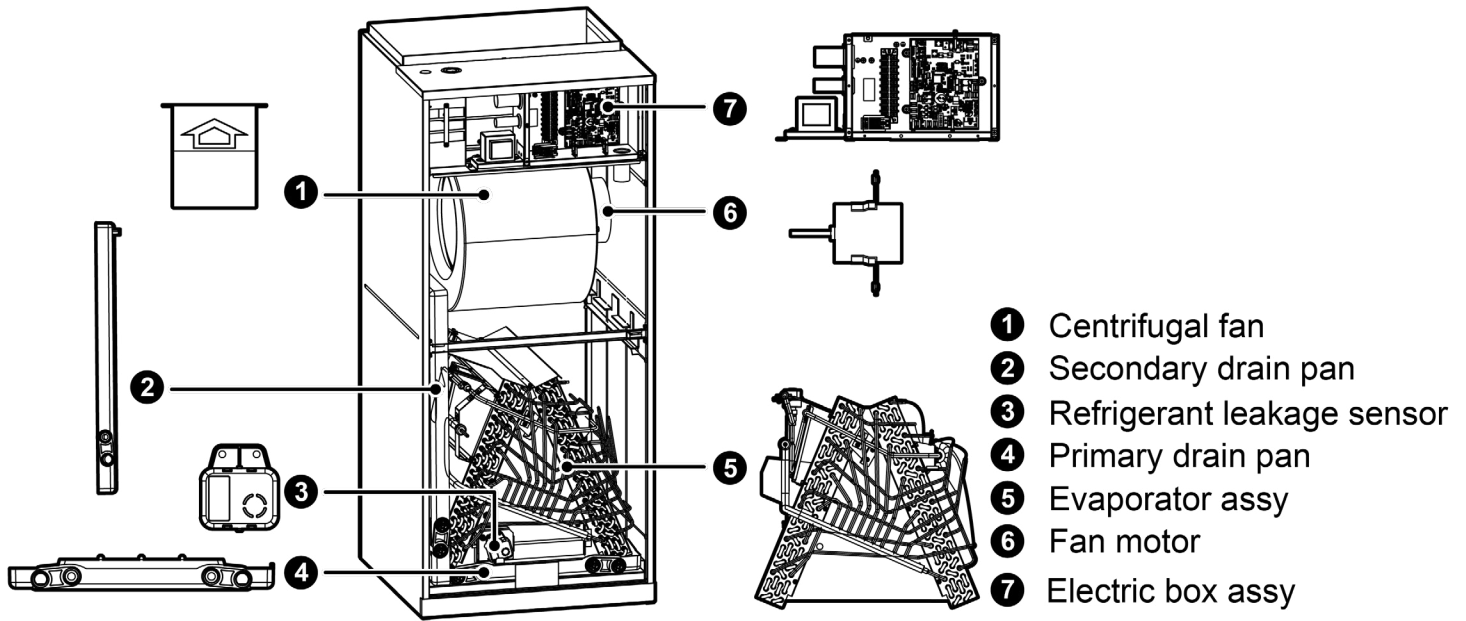
OUTDOOR UNIT

Unit: inch

FXU48HP230V1R32AO	
DIMENSIONS	
A	35-7/16
B	16-1/4
C	49-5/8
D	22-7/16
E	14-7/8
G	13-3/8



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
FXU48HP230V1R32AH	320004060249	FLEXA2LHTR05KWD	3.74	4.6	28	29.9	30	35
	320004060250	FLEXA2LHTR10KWD	7.49	9.2	50	55	60	60
	320004060251	FLEXA2LHTR15KWD	11.23	13.8	74	82	80	90
	320004060252	FLEXA2LHTR20KWD	14.98	18.4	98	108	100	110

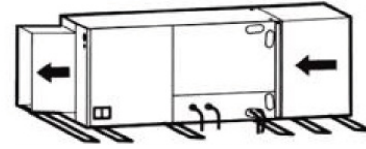
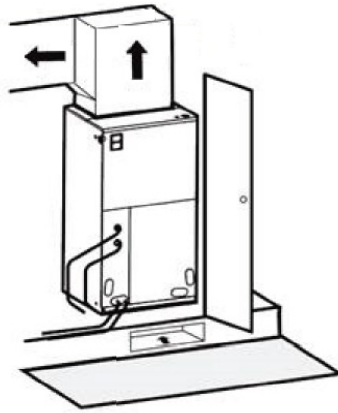
MODEL	Heat Kit Model	Part Number	Electric Heat (kW)		Min. Circuit Ampacity (A)				Max Fuse or Breaker (A)			
			208V	230V	208V		230V		208V		230V	
FXU48HP230V1R32AH	One Mains Supply											
	320004060223	FLEXA2LHTR06	3.74	4.6	31		33		35		35	
	Two Mains Supply											
						Power A	Power B	Power A	Power B	Power A	Power B	Power A
	320004060224	FLEXA2LHTR09	6.03	7.36	32.7	13.8	35.2	15	35	15	40	20
	320004060225	FLEXA2LHTR12	7.49	9.2	32.7	27.5	35.2	30	35	30	40	35

CLEARANCES

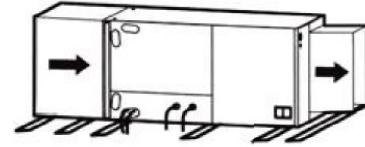
INDOOR UNIT

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.

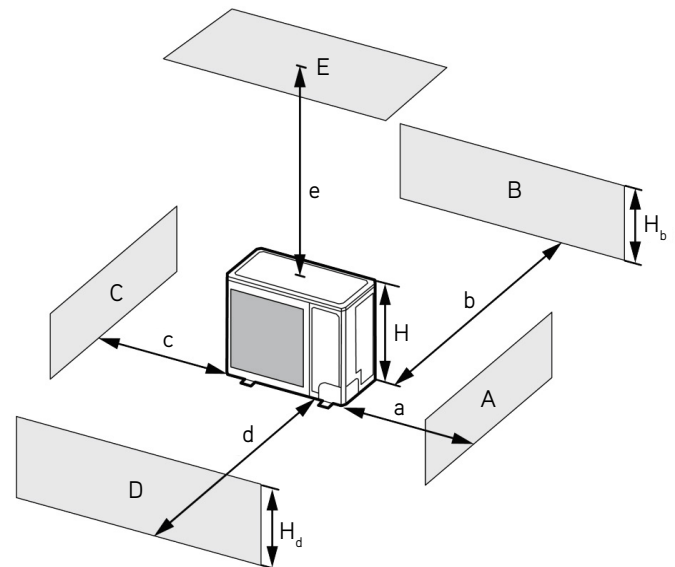
OUTDOOR UNIT

Minimum clearance

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

1. When one outdoor unit is to be installed.

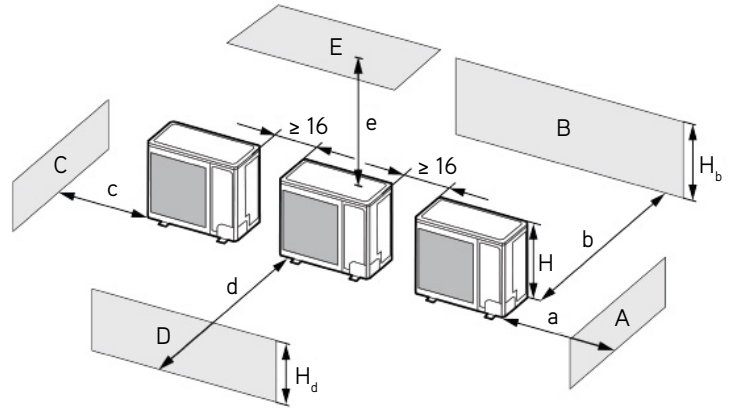
A - E	H_b H_d H		(in)				
			a	b	c	d	e
B	-	-	-	≥ 4	-	-	-
A, B, C	-	-	≥ 12	≥ 4	≥ 4	-	-
B, E	-	-	-	≥ 4	-	-	≥ 40
A, B, C, E	-	-	≥ 12	≥ 6	≥ 6	-	≥ 40
D	-	-	-	-	-	≥ 40	-
D, E	-	-	-	-	-	≥ 40	≥ 40
B, D	$H_b < H_d$	$H_d < H$	-	≥ 4	-	≥ 40	-
	$H_b > H_d$	$H_d > H$	-	≥ 4	-	≥ 40	-
B, D, E	-	$H_b \leq 1/2H$	-	≥ 10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

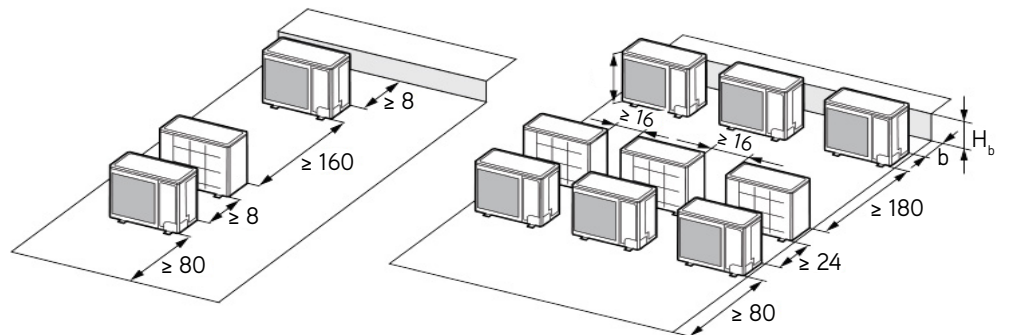
2. When two or more outdoor units are to be installed side by side.

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

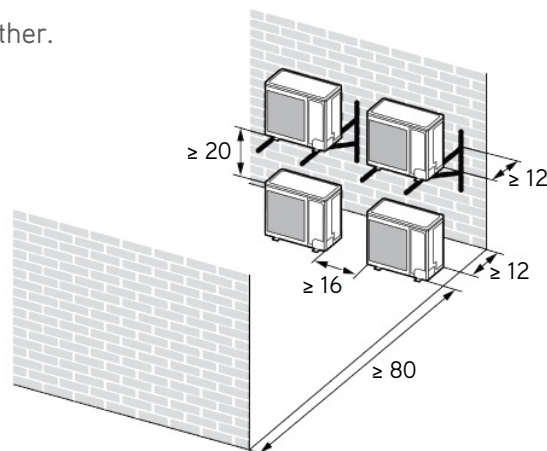


3. When outdoor units are installed in rows.

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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