

SUBMITTAL DATA

FXA60C32AH / FXU60HP230V1R32AO
60000 BTU/H A-Coil for Unitary Heat Pump Split System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



FXA60C32AH



FXU60HP230V1R32AO



WK-010WC1 (Optional)

GENERAL FEATURES

- AHRI Certificate: [217177257](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet 55 dB(A) Side Discharge Outdoor Unit
- 24VAC Thermostat Compatible
- Optional 7-Day Programmable 24V Controller WK-010WC1
- Designed for New Construction or Replacement Market
- Low Ambient Cooling down to 5°F (-15°C)
- Low Ambient Heating down to -22°F (-30°C)
- 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		HEAT PUMP	
Outdoor Model		FXU60HP230V1R32AO	
Indoor Model		FXA60C32AH	
SYSTEM PERFORMANCE			
Cooling	Min - Max	Btu/h	35,000 - 55,000
	Rated Capacity @95°F	Btu/h	52,000
Heating	Min - Max	Btu/h	35,000 - 60,000
	Rated Capacity @47°F	Btu/h	53,000
	Rated Capacity @17°F	Btu/h	35,200
	Rated Capacity @5°F	Btu/h	40,000
SEER2		15.2	
EER2		9.5	
HSPF2		8.5	
COP @5°F		1.80	
Cooling Temperature Range		°F	5 - 129
Heating Temperature Range		°F	-22 - 75
Refrigerant Type		R32	
INDOOR UNIT		FXA60C32AH	
Dehumidification		pt/hr	13.11
Drain Piping		in	Φ1×0.05
External Dimensions (W x H x D)		in	24-1/2 × 28-1/2 × 21-1/4
Package Dimension (W x H x D)		in	28-1/8 × 31-5/16 × 27-1/8
Net Weight		lbs	110.0
Gross Weight		lbs	123.5
OUTDOOR UNIT		FXU60HP230V1R32AO	
Power Supply		VAC	208-230V / 1Ph / 60 Hz
Sound Pressure Level		dB(A)	63
Control Voltage		VAC	24
Rated Current Cooling		A	23.1
Rated Current Heating		A	22.2
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 × 49-5/8 × 13-3/8
Package Dimension (W x H x D)		in	40-11/16 × 55-3/16 × 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

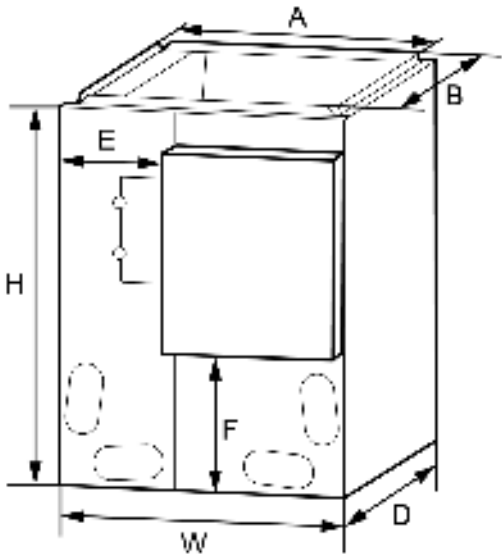
FEATURES & FUNCTIONS SUMMARY	
Compressor	Inverter
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R32
Electronic Expansion Valve (EEV)	Yes
Basepan With Electric Heater	Yes
Compressor With Electric Heater	Yes
Fin Coating (Outdoor - Golden & Indoor - 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
A2L Leak Detection Sensor (Indoor)	Factory Installed

DIMENSIONS

INDOOR UNIT

Unit: inch

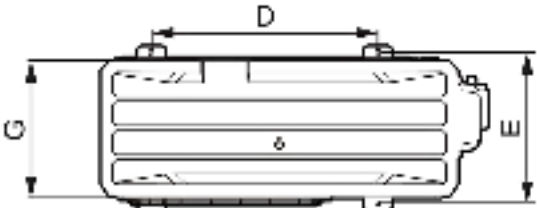
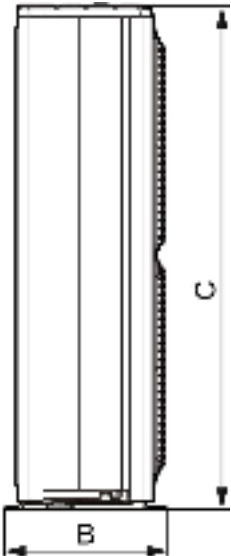
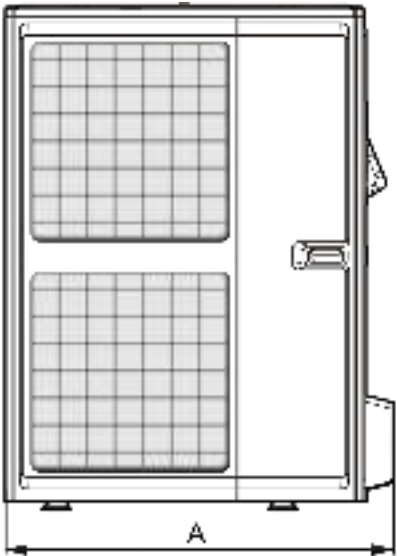
FXA60C32AH	
DIMENSIONS	
W	24-1/2
D	21-1/4
H	28-1/2
A	22-7/8
B	19-3/8
E	8
F	4-1/8



OUTDOOR UNIT

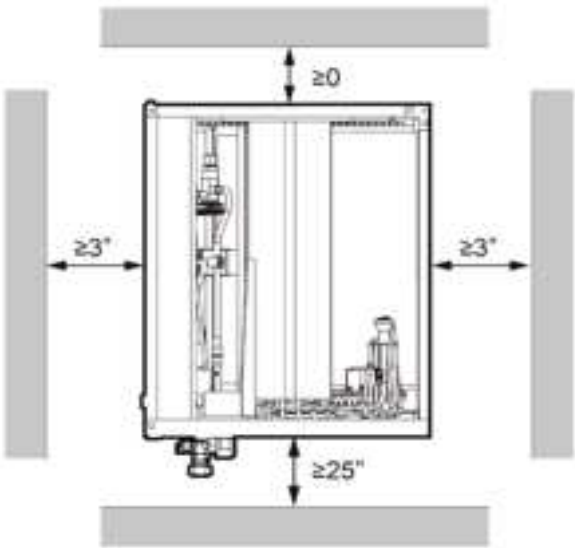
Unit: inch

FXU60HP230V1R32AO	
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



CLEARANCES

INDOOR UNIT
Minimum clearance



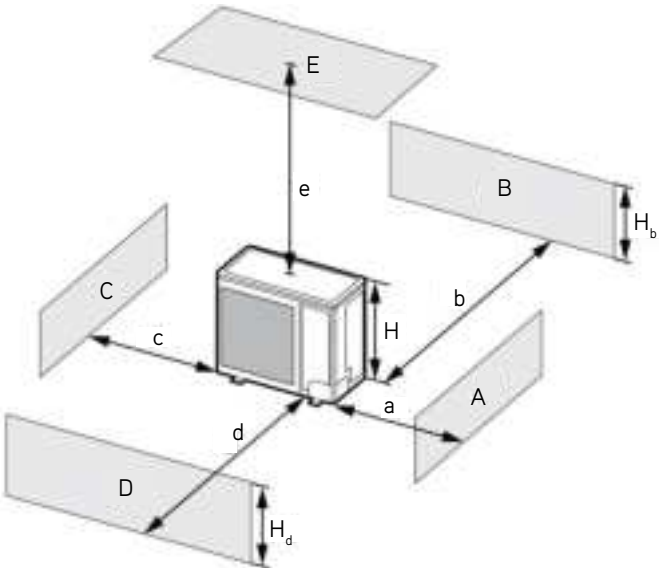
NOTE:
When installing the coil, take consideration to minimize the length of refrigerant tubing as much as possible. Do not install the air handler in a location either above or below the condenser that violates the instructions provided with the condenser. Service clearance is to take precedence. Allow a minimum of 25" in front of the unit for service clearance, as shown below.
The drain pan must be at least 2" away from a standard gas-fired furnace heat exchanger and at least 4"-6" away from any drum-type or oil-fired furnace heat exchanger, depending on furnace model. Closer spacing may damage the drain pan and cause a leak.

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.

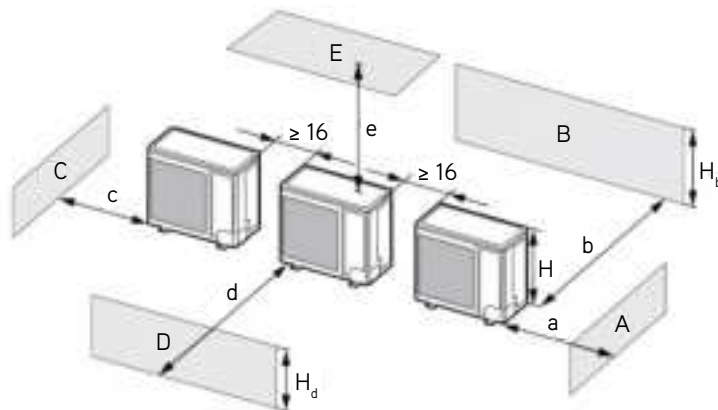
A - E	H _b H _d H		(in)				
			a	b	c	d	e
B	-		-	≥ 4	-	-	-
A, B, C	-		≥ 12	≥ 4	≥ 4	-	-
B, E	-		-	≥ 4	-	-	≥ 40
A, B, C, E	-		≥ 12	≥ 6	≥ 6	-	≥ 40
D	-		-	-	-	≥ 40	-
D, E	-		-	-	-	≥ 40	≥ 40
B, D	H _b < H _d	H _d < H	-	≥ 4	-	≥ 40	-
	H _b > H _d	H _d > H	-	≥ 4	-	≥ 40	-
B, D, E	H _b ≤ 1/2H		-	≥ 10	-	≥ 80	≥ 40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



CLEARANCES

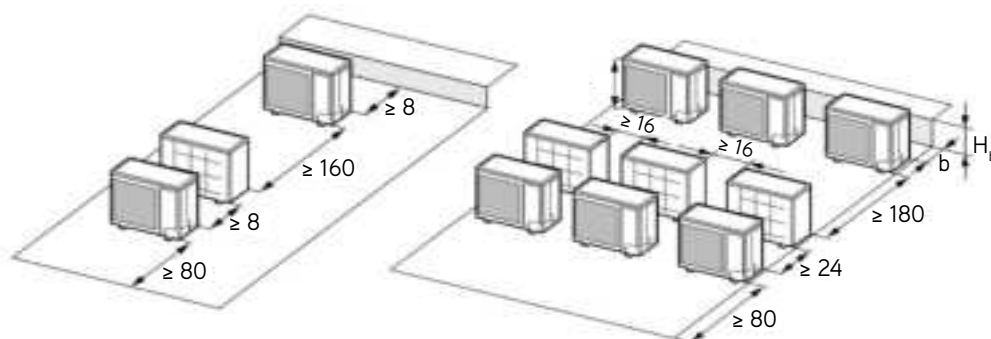
2. When two or more outdoor units are to be installed side by side.

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	$H_b > H_d$	$1/2H < H_d \leq H$	-	≥ 12	-	≥ 100	-
		$H_b \leq 1/2H$	-	≥ 12	-	≥ 80	≥ 40
	$H_b < H_d$	$1/2H < H_b \leq H$	-	≥ 12	-	≥ 100	≥ 40
		$H_b > H$	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.

