SUBMITTAL DATA

FXA24C32AH / FXU36HP230V1R32AO

24000 BTU/H A-Coil for Unitary Heat Pump Split System

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

FXA24C32AH

FXU36HP230V1R32AO

WK-010WC1 (Optional)

GENERAL FEATURES

- AHRI Certificate: 211306455
- 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			FXU36HP230V1R32AO
Indoor Model			FXA24C32AH
SYSTEM PERFORMANCE			
Cooling	Min - Max	Btu/h	12,000 - 28,000
	Rated Capacity @95˚F	Btu/h	23,000
Heating	Min - Max	Btu/h	12,000 - 30,000
	Rated Capacity @47˚F	Btu/h	24,000
	Rated Capacity @17˚F	Btu/h	15,000
	Rated Capacity @5˚F	Btu/h	21,600
SEER2			16.0
EER2			11.0
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			**FXA24C32AH**
Dehumidification		pt/hr	5.11
Drain Piping		in	Φ1×0.05
External Dimensions (W x H x D)		in	17-1/2 × 23 × 21-1/4
Package Dimension (W x H x D)		in	21 × 25-3/4 × 27-1/8
Net Weight		lbs	75
Gross Weight		lbs	83.8
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	9.08
Rated Current Heating		A	9.56
MOCP		A	30
MCA		A	27.7
Compressor 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	31
Pipe Length (Min - Max)		ft	10 - 164
Max. Pipe Elevation		ft	98

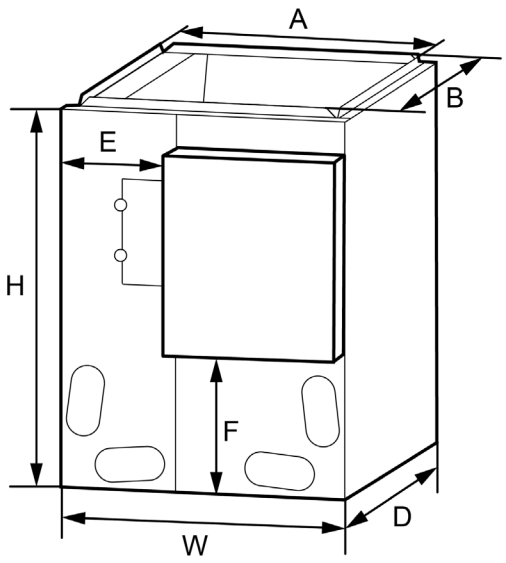
FEATURES & FUNCTIONS SUMMARY	
Compressor	Inverter
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R32
Electronic Expansion Valve (EEV)	Yes
Basepan With Electric Heater	Yes
Compressor With Electric Heater	Yes
Fin Coating (Outdoor - Golden & Indoor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

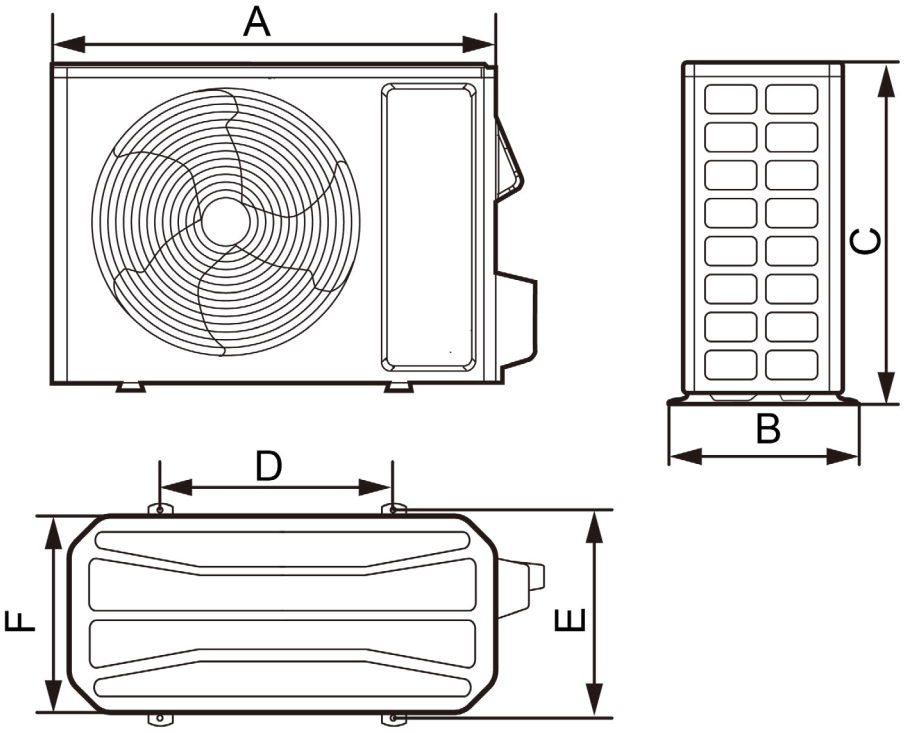
FXA24C32AH	
DIMENSIONS	
W	17-1/2
D	21-1/4
H	23
A	15-7/8
B	19-3/8
E	7-1/6
F	9



OUTDOOR UNIT

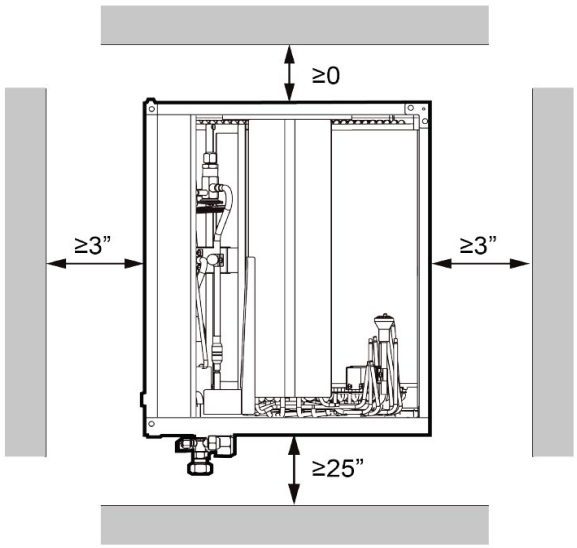
Unit: inch

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



CLEARANCES

INDOOR UNIT
Minimum clearence



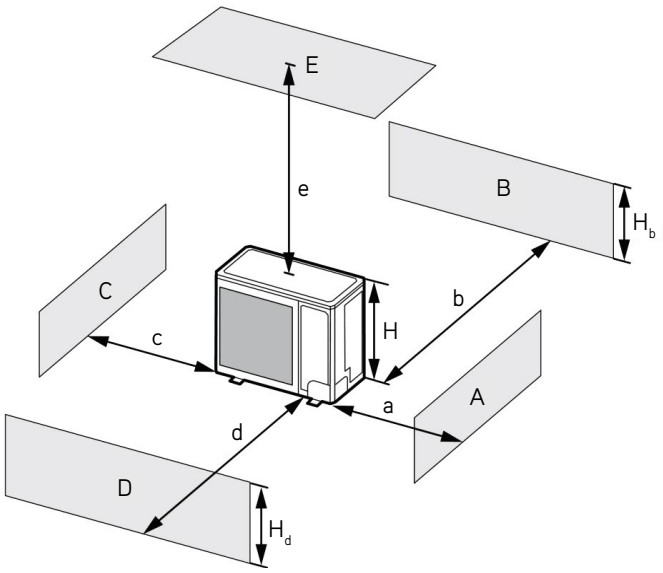
NOTE:
When installing the coil, take consideration to minimize the length of refrigerant tubing as much as possible. Do not install the air handler in a location either above or below the condenser that violates the instructions provided with the condenser. Service clearance is to take precedence. Allow 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 clearence

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

1. When one outdoor unit is to be installed.

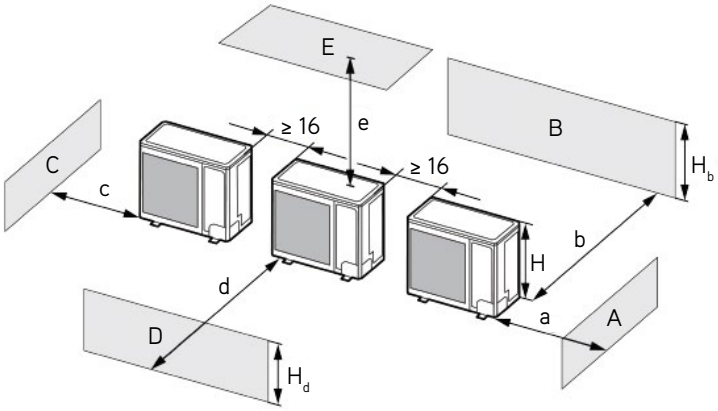
A - E	H_b H_d H		(in)				
			a	b	c	d	e
B	-		-	≥ 4	-	-	-
A, B, C	-		≥ 12	≥ 4	≥ 4	-	-
B, E	-		-	≥ 4	-	-	≥ 40
A, B, C, E	-		≥ 12	≥ 6	≥ 6	-	≥ 40
D	-		-	-	-	≥ 40	-
D, E	-		-	-	-	≥ 40	≥ 40
B, D	$H_b < H_d$	$H_d < H$	-	≥ 4	-	≥ 40	-
	$H_b > H_d$	$H_d > H$	-	≥ 4	-	≥ 40	-
B, D, E	$H_b < H_d$	$H_b \leq 1/2H$	-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



CLEARANCES

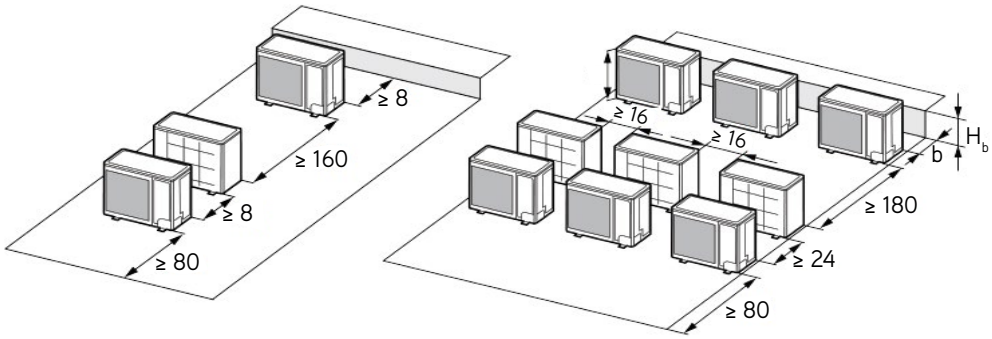
2. When two or more outdoor units are to be installed side by side.

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



4. When outdoor units are installed one above another.