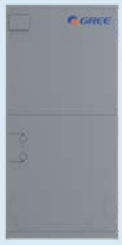
SUBMITTAL DATA

FXE48HP230V1R32AH / FXE60HP230V1R32AO
48000 BTU/H Unitary Heat Pump Split System

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



FXE48HP230V1R32AH

FXE60HP230V1R32AO

GENERAL FEATURES

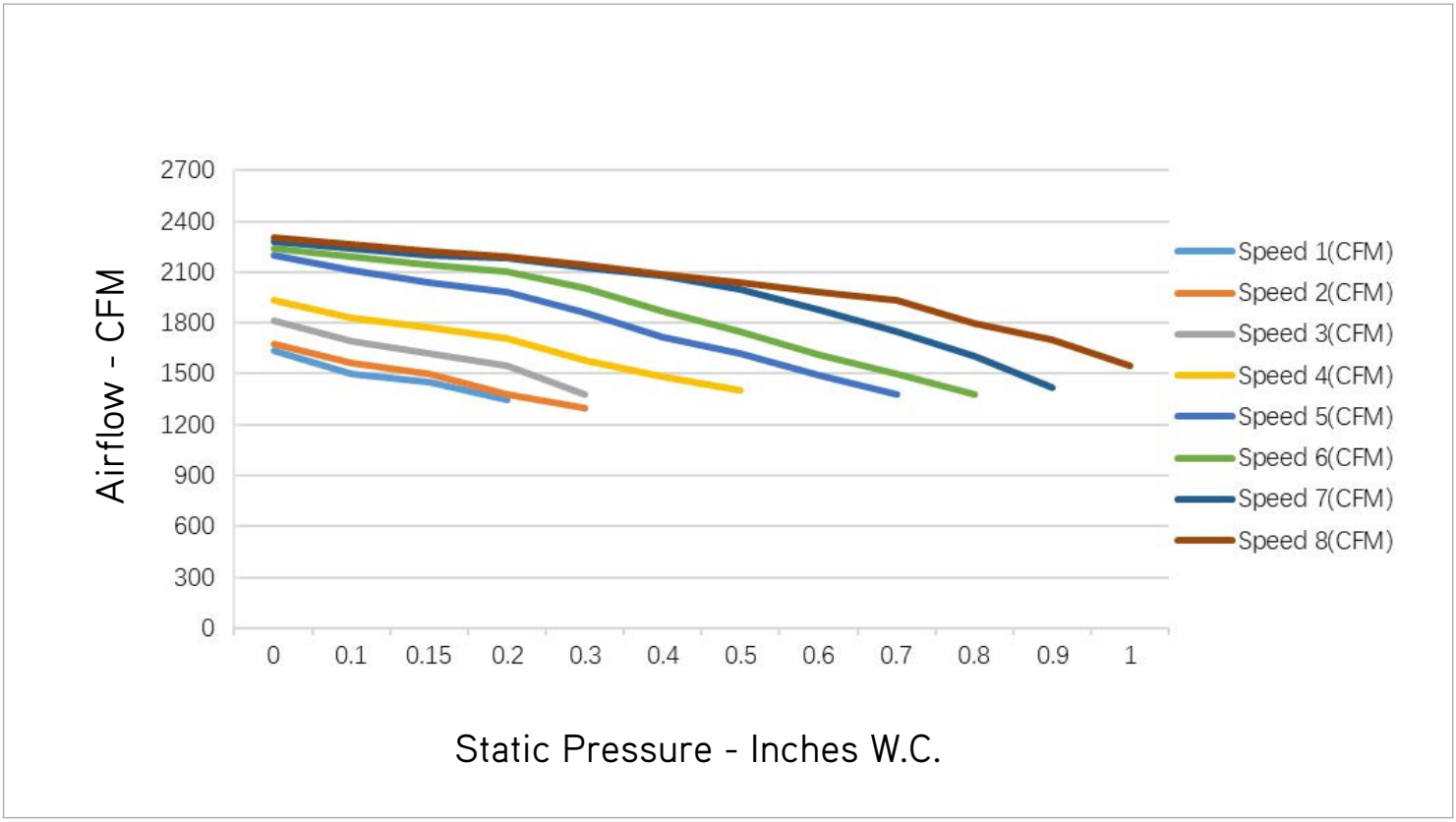
- AHRI Certificate: 216626010
- High Efficiency DC Inverter Technology
- Zero Lot Line Design
- Operation Range: 5°F ~ 118°F
- New R32 Refrigerant
- Multi-Position Air Handler
- RS485 Communication and Universal 24V Control
- Coil (Outdoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Gold 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

SPECIFICATIONS			FXE48HP230V1R32AH / FXE60HP230V1R32AO
System Type			HEAT PUMP
SYSTEM PERFORMANCE			
Cooling Capacity	Min - Max	Btu/h	24,000 - 52,000
	Capacity @95°F	Btu/h	48,000
Heating Capacity	Min - Max	Btu/h	24,000 - 53,000
	Capacity @47°F	Btu/h	48,000
	Capacity @17°F	Btu/h	36,000
	Capacity @5°F	Btu/h	35,000
SEER2			17.0
EER2			11.7
HSPF2			9.5
COP @5°F			2.0
COP @47°F			3.40
Cooling Temperature Range		°F	5 - 118
Heating Temperature Range		°F	5 - 75
Refrigerant Type			R32
INDOOR UNIT			**FXE48HP230V1R32AH**
Power Supply		VAC	208-230V / 1Ph / 60 Hz
Sound Pressure Level		dB(A)	53
Control Voltage		VAC	24
Rated Current Cooling		A	19
Rated Current Heating		A	19
MCA		A	7.1
MOCP		A	15
Electric Heater (Optional)		kW	6, 9, 12
Air Flow		CFM	1400
External Static Pressure (Up to)		In W.c.	1.0
Dehumidification		pt/hr	8.49
Drain Piping		in	Φ1×0.05
External Dimensions (W x H x D)		in	24-13/16 × 21-1/4 × 52
Package Dimension (W x H x D)		in	27-1/4 × 26 × 54-3/16
Net Weight		lbs	199.5
Gross Weight		lbs	218.0
OUTDOOR UNIT			**FXE60HP230V1R32AO**
Power Supply		VAC	208-230V / 1Ph / 60 Hz
Sound Pressure Level		dB(A)	60
Control Voltage		VAC	24
Rated Current Cooling		A	14.0
Rated Current Heating		A	13.8
MCA		A	27.7
MOCP		A	30
Cmpressor Type			GREE G20 / Double Cylinder / 1 - Stage Inverter
External Dimensions (W x H x D)		in	36-1/4×14-9/16×29-3/8
Package Dimension (W x H x D)		in	42-1/2 × 19 × 31-1/2
Net Weight		lbs	124.6
Gross Weight		lbs	133.4
Refrigerant Charge - R32		oz	98.8
Additional Charge		oz/ft	0.215
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 - 98
Max. Pipe Elevation		ft	49

FEATURES & FUNCTIONS SUMMARY	FXE48HP230V1R32AH / FXE60HP230V1R32AO
Compressor	Inverter
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Outdooor 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	No
24VAC Thermostat Compatible	Yes
Indoor Fan Type	Centrifugal
Multi Fan Speeds	5
Auxiliary Electrical Heater	Optional

FAN PERFORMANCE



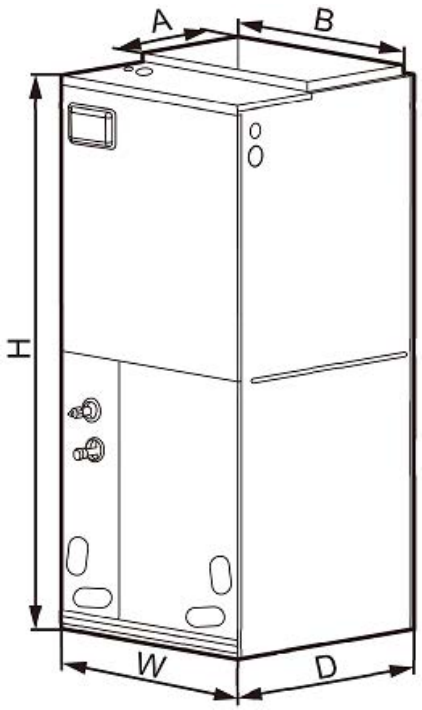
NOTE:
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

DIMENSIONS

INDOOR UNIT

Unit: inch

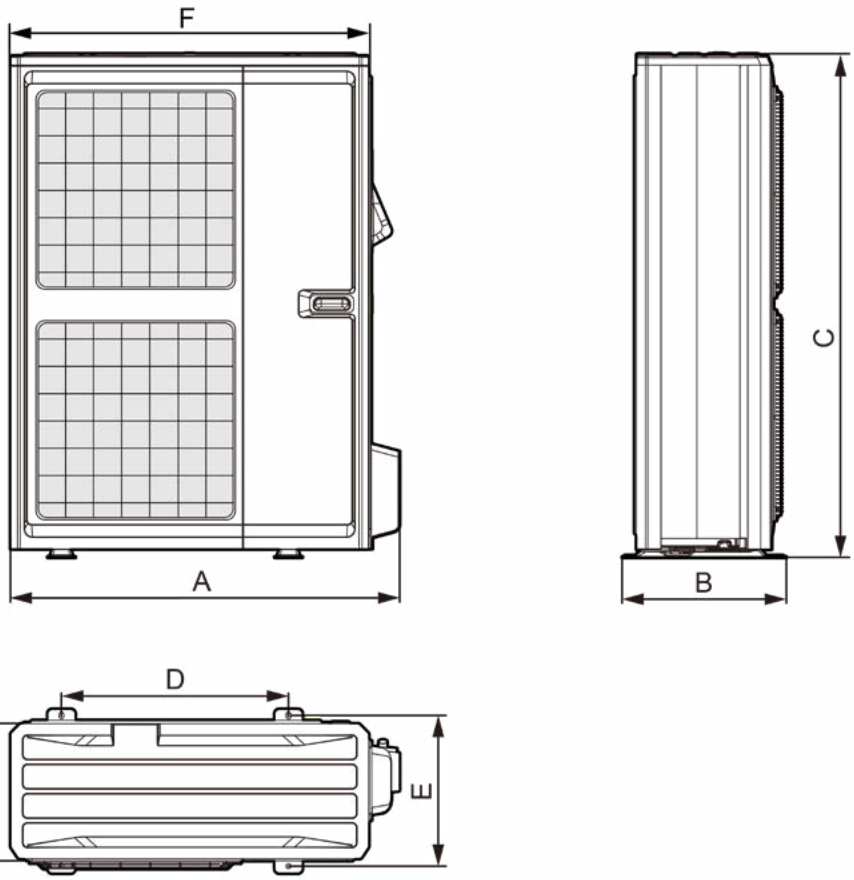
FXE48HP230V1R32AH	
DIMENSIONS	
A	11-5/8
B	20
H	52
W	24-13/16
D	21-1/4

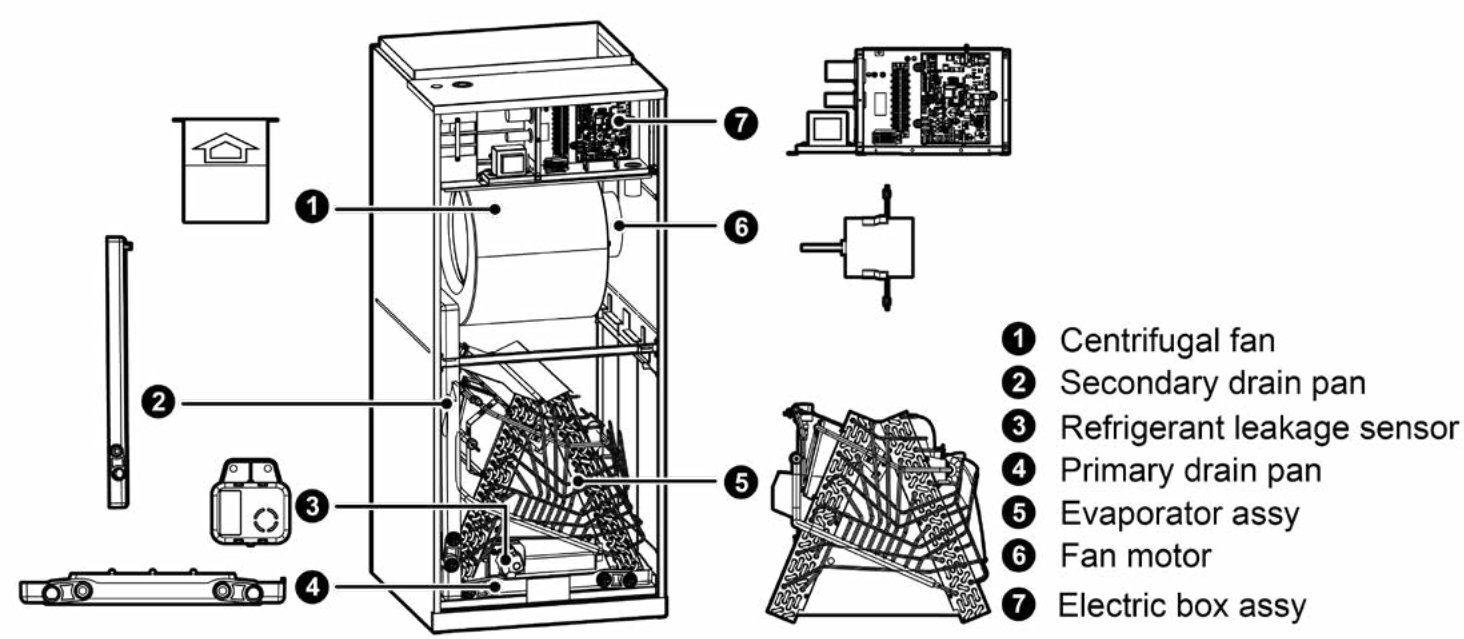


OUTDOOR UNIT

Unit: inch

FXE60HP230V1R32AO	
DIMENSIONS	
A	38-1/2
B	16-1/4
C	49-5/8
D	22-7/16
E	14-7/8
F	35-7/16
G	13-3/8





Power A

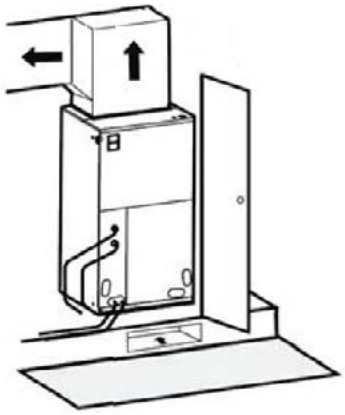
MODEL	Heat Kit Model	Part Number	Electric Heat (kW)		Min. Circuit Ampacity (A)				Max Fuse or Breaker (A)			
			208V	230V	208V		230V		208V		230V	
FXE48HP230V1R32AH	One Mains Supply											
	320004060223	FLEXA2LHTR06	3.74	4.6	31		33		35		35	
	Two Mains Supply											
					Power A	Power B	Power A	Power B	Power A	Power B	Power A	Power B
	320004060224	FLEXA2LHTR09	6.03	7.36	35	13.8	36.9	15	40	15	40	20
	320004060225	FLEXA2LHTR12	7.49	9.2	35	27.5	36.9	30	40	30	40	35

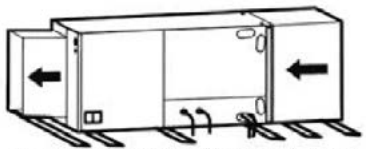
CLEARANCES

INDOOR UNIT

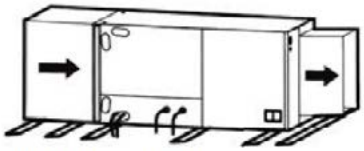
Minimum clearence

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.

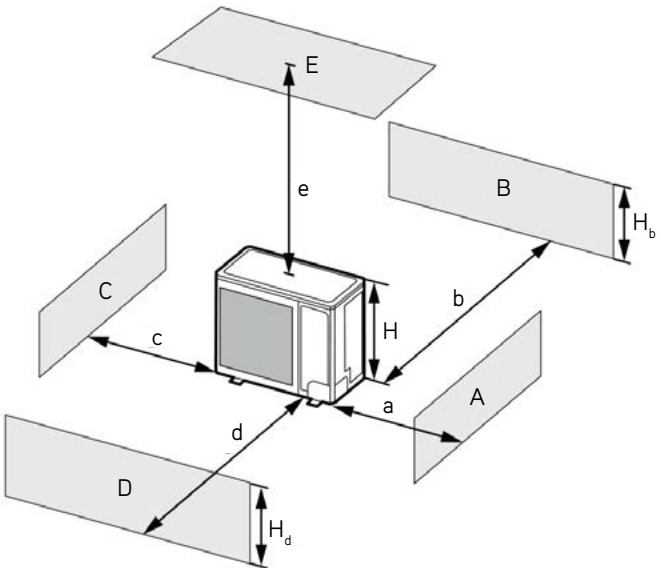
OUTDOOR UNIT

Minimum clearence

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

1. When one outdoor unit is to be installed.

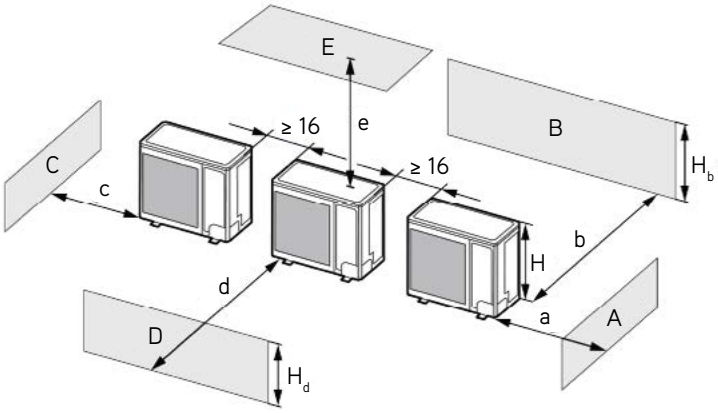
A - E	H_b H_d H		(in)				
			a	b	c	d	e
B	-		-	≥ 4	-	-	-
A, B, C	-		≥ 12	≥ 4	≥ 4	-	-
B, E	-		-	≥ 4	-	-	≥ 40
A, B, C, E	-		≥ 12	≥ 6	≥ 6	-	≥ 40
D	-		-	-	-	≥ 40	-
D, E	-		-	-	-	≥ 40	≥ 40
B, D	H_b ⟨ H_d	H_d ⟨ H	-	≥ 4	-	≥ 40	-
	H_b ⟩ H_d	H_d ⟩ H	-	≥ 4	-	≥ 40	-
B, D, E	H_b ⟨ H_d	H_b ≤ 1/2H	-	≥ 10	-	≥ 80	≥ 40
		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

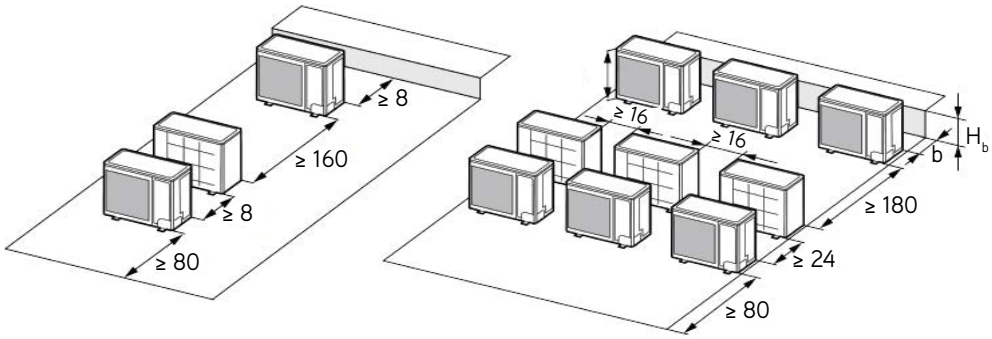
2. When two or more outdoor units are to be installed side by side.

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	-
		$1/2H < H_d \leq H$	-	≥ 12		≥ 100	
B, D, E	$H_b < H_d$	$H_b \leq 1/2H$	-	≥ 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.