





SUBMITTAL DATA: FLEXX60C		
FLEXX60HP230V1AO		60000 BTU/H A-Coil for HP / AC System
FLEXX60AC230V1AO		
Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	
Unit Designation	Schedule No.	

FLEXX60C	FLEXX60HP230V1AO / FLEXX60AC230V1AO
	
GENERAL FEATURES	

High Efficiency DC Inverter Technology
Compact and Quiet 55 dB(A) Side Discharge Outdoor Unit
Zero Lot Line Design
Match with Gree or Competitive Indoor Unit
Designed for New Construction or Replacement Market
24VAC Thermostat Compatible

Low Ambient Cooling down to 5°F

Low Ambient Heating down to -22°F

Acrylic Resin/Anti-Corrosion Fin Coating (Blue - 500 Hr Salt Spray Rating)

5 Year Limited Compressor & Parts Warranty (Residential Only)

SPECIFICATIONS		FLEXX60C / FLEXX60HP230V1BH	
System Type		HEAT PUMP	
SYSTEM PERFORMANCE			
Cooling	Rated Capacity @ 95°F	Btu/h	54000
	Min-Max Capacity	Btu/h	35000 - 54000
Heating	Rated Capacity @ 47°F	Btu/h	54000
	Rated Capacity @ 17°F	Btu/h	38000
	Min-Max Capacity	Btu/h	35000 - 60000
SEER / EER		17 / 10.5	
HSPF / COP		10 / 3.45	
Energy Star®		NO	
Cooling Temperature Range		°F	5 - 129
Heating Temperature Range		°F	-22 - 75
INDOOR UNIT		FLEXX60C	
Dehumidification		pt/hr	12.13
Condensate Drain Size (OD)		in	3 / 4
Unit Dimension (WxHxD)		in	24 1/2 × 28 1/2 × 21 1/4
Package Dimension (WxHxD)		in	28 1/8 × 31 5/16 × 27 1/8
Refrigerant Charge - R410A		oz	88
Weight (Net / Gross)		lbs	94.8 / 110.2
OUTDOOR UNIT		FLEXX60HP230V1AO	
Compressor Type		Inverter Rotary	
Compressor RLA		amps	19
Fan Motor Output Power (2)		W	149 Ea
Fan Motor (2)		amps	1.5 Ea
Sound Pressure Level (Cooling / Heating)		dB(A)	58
Unit Dimension (WxHxD)		in	39 3/8 x 53 5/8 x 14 1/2
Package Dimension (WxHxD)		in	45 7/16 × 59 1/4 × 19 7/16
Weight (Net / Gross)		lbs	308 / 337
Refrigerant Charge - R410A		oz	220.5
Coil Type (Blue Fin)		Copper Tube / Aluminum Fin	
REFRIGERANT PIPING			
Line Set Size (Liquid - Gas)		in	3/8 - 3/4
Pre-Charge Length		ft	31
Additional Charge		oz/ft	0.32
Pipe Length (Min - Max)		ft	10 - 100
Max. Pipe Elevation		ft	50
ELECTRICAL			
		208/230V / 1Ph / 60 Hz	
Outdoor Unit	Rated Current (Cooling / Heating)	amps	30 / 31
	MCA / MOCP	amps	35 / 45
Main Power Wire Size		AWG	Size Per Local Code
LIMITED WARRANTY			

COOLING PERFORMANCE						HEATING PERFORMANCE				
Outdoor Ambient Temperature (DB)		Return Air Temperature				Outdoor Ambient Temperature (DB)		Return Air Temperature		
		80°F (DB)						70°F (DB)		
		TC (Btu/h)	SHR	EER	Power Input (W)			TC (Btu/h)	COP	Power Input (W)
MAX OUTPUT	5°F	54000	68.5%	14.8	3650	MAX OUTPUT	-22°F	27000	1.25	6350
	10°F	54000	70.8%	14.6	3700		-20°F	29000	1.31	6500
	15°F	54000	70.0%	14.4	3750		-15°F	32000	1.40	6700
	20°F	54000	71.0%	14.2	3800		-10°F	34000	1.45	6900
	25°F	54000	71.6%	14.1	3830		-5°F	37000	1.55	7000
	30°F	54000	69.8%	13.9	3880		0°F	40000	1.65	7100
	35°F	54000	70.9%	13.7	3950		5°F	44000	1.80	7160
	40°F	54000	69.5%	13.4	4020		10°F	46000	1.89	7140
	45°F	54000	71.2%	13.2	4080		15°F	48000	1.98	7120
	50°F	54000	70.0%	13.1	4120		17°F	49000	2.02	7100
	55°F	54000	70.8%	13.0	4160		20°F	50000	2.13	6900
	60°F	54000	71.0%	12.9	4200		25°F	52000	2.26	6750
	65°F	54000	70.0%	12.7	4250		30°F	54000	2.38	6650
	70°F	54000	71.5%	12.5	4330		35°F	54000	2.47	6400
	75°F	54000	69.8%	12.3	4400		40°F	54000	2.64	6000
	80°F	54000	70.4%	12.0	4500		45°F	54000	2.83	5600
	85°F	55000	69.5%	11.8	4650		47°F	56000	3.10	5300
	90°F	55000	71.7%	11.0	5000		50°F	58000	3.18	5350
	95°F	55000	70.0%	10.2	5410		55°F	58000	3.20	5320
	100°F	55000	70.8%	9.2	6000		60°F	60000	3.26	5400
	105°F	54000	69.0%	8.1	6650		65°F	60000	3.38	5200
110°F	50000	70.9%	8.1	6180	70°F	60000	3.52	5000		
115°F	46000	71.0%	8.1	5700	75°F	54000	4.17	3800		
120°F	38000	68.7%	7.6	5000						
125°F	32000	67.6%	6.8	4700						
129°F	28000	71.0%	6.3	4450						

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

SPECIFICATIONS		FLEXX60C / FLEXX60AC230V1AO	
System Type		AIR CONDITIONER	
SYSTEM PERFORMANCE			
Cooling	Rated Capacity @ 95°F	Btu/h	54000
	Min-Max Capacity	Btu/h	35000 - 54000
SEER / EER		17 / 10.5	
Energy Star®		NO	
Cooling Temperature Range		°F	40 - 118
INDOOR COIL		FLEXX60C	
Dehumidification		pt/hr	12.13
Condensate Drain Size (OD)		in	3 / 4
Unit Dimension (WxHxD)		in	24 1/2 × 28 1/2 × 21 1/4
Package Dimension (WxHxD)		in	28 1/8 × 31 5/16 × 27 1/8
Refrigerant Charge - R410A		oz	88
Weight (Net / Gross)		lbs	94.8 / 110.2
OUTDOOR UNIT		FLEXX60AC230V1AO	
Compressor Type		Inverter Rotary	
Compressor RLA		amps	19
Fan Motor Output Power (2)		W	149 Ea
Fan Motor (2)		amps	1.5 Ea
Sound Pressure Level		dB(A)	58
Unit Dimension (WxHxD)		in	37 1/4 x 56 1/3 x 16 3/16
Package Dimension (WxHxD)		in	40 7/8 × 62 1/4 × 17 1/4
Weight (Net / Gross)		lbs	262.4 / 288.8
Refrigerant Charge - R410A		oz	194
Coil Type (Blue Fin)		Copper Tube / Aluminum Fin	
REFRIGERANT PIPING			
Line Set Size (Liquid - Gas)		in	3/8 - 3/4
Pre-Charge Length		ft	31
Additional Charge		oz/ft	0.32
Pipe Length (Min - Max)		ft	10 - 100
Max. Pipe Elevation		ft	50
ELECTRICAL			
Power Supply (Voltage Operating Range)		208/230V / 1Ph / 60 Hz	
Outdoor Unit	Rated Current	amps	30
	MCA / MOCP	amps	35 / 45
Main Power Wire Size		AWG	Size Per Local Code
LIMITED WARRANTY		5 Years Parts and Compressor - Residential	

COOLING PERFORMANCE					
Outdoor Ambient Temperature (DB)		Return Air Temperature			
		80°F (DB)			
		TC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT	40°F	54000	69.5%	13.6	3980
	45°F	54000	71.2%	13.4	4040
	50°F	54000	70.0%	13.2	4080
	55°F	54000	70.8%	13.1	4120
	60°F	54000	71.0%	13.0	4160
	65°F	54000	70.0%	12.8	4210
	70°F	54000	71.5%	12.6	4290
	75°F	54000	69.8%	12.4	4360
	80°F	54000	70.4%	12.1	4460
	85°F	55000	69.5%	11.9	4610
	90°F	55000	71.7%	11.1	4960
	95°F	55000	70.0%	10.2	5370
	100°F	55000	70.8%	9.2	5960
	105°F	54000	69.0%	8.2	6610
	110°F	50000	70.9%	8.1	6140
	115°F	46000	71.0%	8.1	5660
118°F	38000	68.7%	7.7	4960	

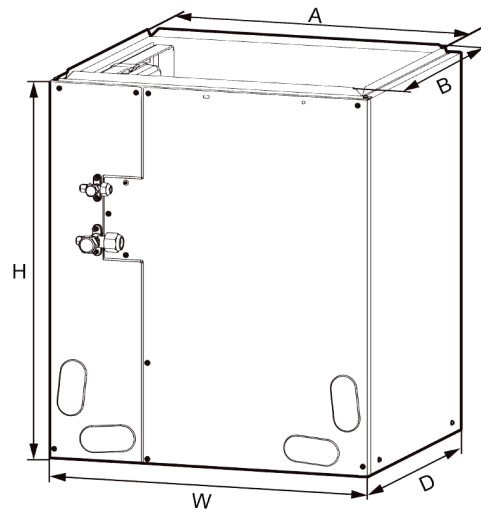
LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SHR - Sensible Heat Ratio

FEATURES SUMMARY**FLEXX60C / FLEXX60HP230V1AO****SYSTEM FEATURES**

Compressor	Inverter
Ultra Low Frequency Torque Control	YES
Power Factor Correction	YES
Compressor Type	Rotary
Refrigerant Type	R410A
Outdoor Electronic Expansion Valve (EEV)	YES
Indoor TXV Control	YES
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Fin Coating (Outdoor & Indoor)	Acrylic Resin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES

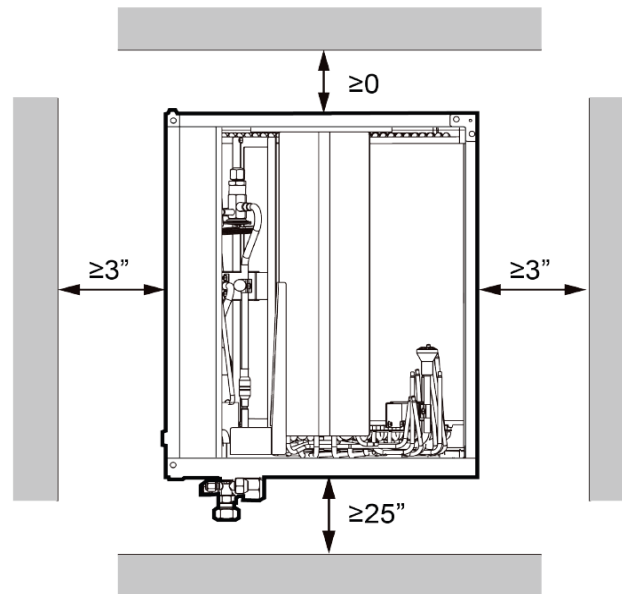
FEATURES SUMMARY**FLEXX60C / FLEXX60AC230V1AO****SYSTEM FEATURES**

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Basepan With Electric Heater	No
Indoor & Outdoor Fin Coating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Smart Thermostat / 24V Thermostat Compatible	Yes



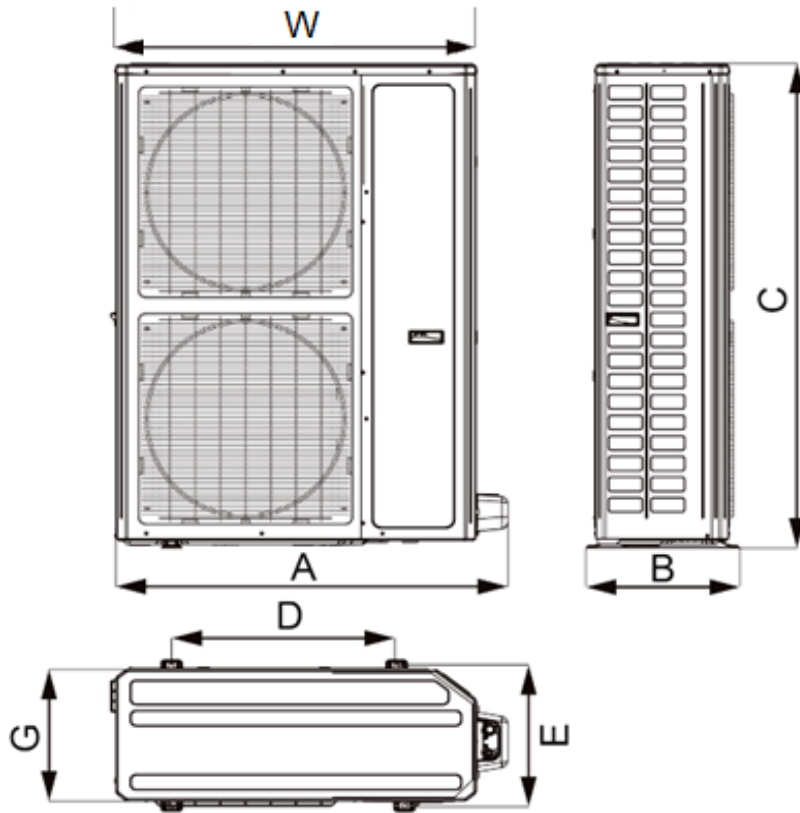
Dimensions	
A	22 7/8
B	19 3/8
H	28 1/2
W	24 1/2
D	21 1/4

Unit = inch

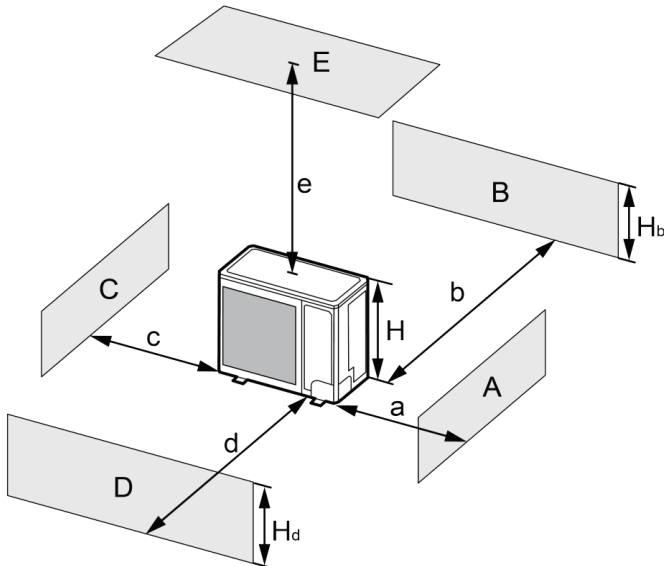


When installing the coil, take consideration to minimize the length of refrigerant tubing as much as possible. Do not install the air handler in a location either above or below the condenser that violates the instructions provided with the condenser. Service clearance is to take precedence. Allow a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

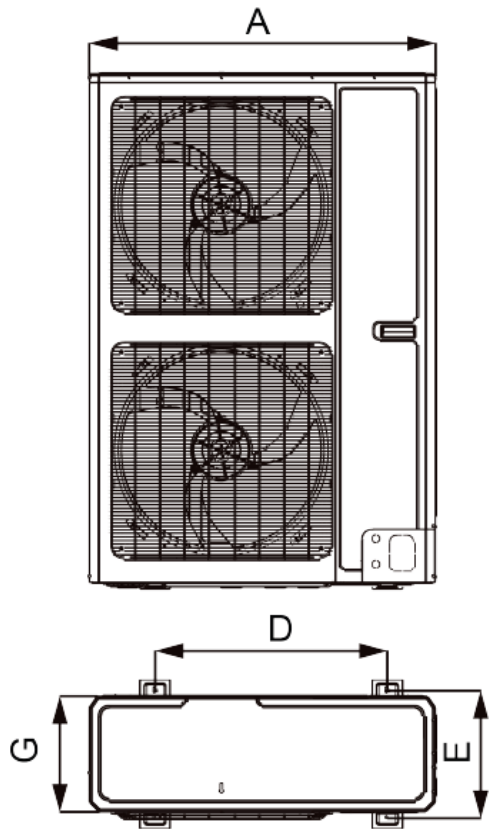


Dimensions	
A	42 3/4
B	16 7/8
C	53 5/8
D	24 3/8
E	15 5/8
G	14 1/2
W	39 3/8

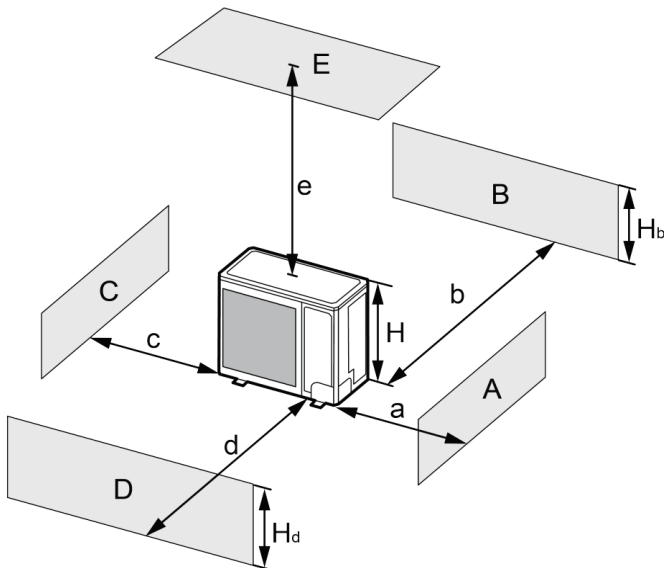


A~E	H _b	H _d	H	(in)				
				a	b	c	d	e
B	—	—	—	-	≥ 4	-	-	-
A,B,C,	—	—	—	≥ 12	≥ 4	≥ 4	-	-
B,E	—	—	—	-	≥ 4	-	-	≥ 40
A,B,C,E	—	—	—	≥ 12	≥ 6	≥ 6	-	≥ 40
D	—	—	—	-	-	-	≥ 40	-
D,E	—	—	—	-	-	-	≥ 40	≥ 40
B,D	H _b < H _d	H _d > H	—	-	≥ 4	-	≥ 40	-
	H _b > H _d	H _d < H	—	-	≥ 4	-	≥ 40	-
B,D,E	H _b < H _d	H _b ≤ 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							

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Dimensions	
A	37 1/4
B	16 3/16
C	56 1/3
D	24 7/8
E	13 7/8
G	12 5/8



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	

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