





SUBMITTAL DATA: FLEXX36C		
FLEXX36HP230V1AO		36000 BTU/H A-Coil for HP / AC System
FLEXX36AC230V1AO		
Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	
Unit Designation	Schedule No.	

FLEXX36C	FLEXX36HP230V1AO / FLEXX36AC230V1AO
	
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		FLEXX36C / FLEXX36HP230V1AO	
System Type		HEAT PUMP	
SYSTEM PERFORMANCE			
Cooling	Rated Capacity @ 95°F	Btu/h	36000
	Min-Max Capacity	Btu/h	18000 - 37000
Heating	Rated Capacity @ 47°F	Btu/h	36000
	Rated Capacity @ 17°F	Btu/h	24400
	Min-Max Capacity	Btu/h	18000 - 38000
SEER / EER		18 / 11	
HSPF / COP		10 / 3.5	
Energy Star®		NO	
Cooling Temperature Range		°F	5 - 129
Heating Temperature Range		°F	-22 - 75
INDOOR UNIT		FLEXX36C	
Dehumidification		pt/hr	9.68
Condensate Drain Size (OD)		in	3 / 4
Unit Dimension (WxHxD)		in	17 1/2 × 23 × 21 1/4
Package Dimension (WxHxD)		in	21 × 25 13/16 × 27 1/8
Refrigerant Charge - R410A		oz	88
Weight (Net / Gross)		lbs	64 / 75
OUTDOOR UNIT		FLEXX36HP230V1AO	
Compressor Type		Inverter Rotary	
Compressor RLA		amps	16
Fan Motor Output Power		W	149
Fan Motor		amps	1.5
Sound Pressure Level (Cooling / Heating)		dB(A)	57
Unit Dimension (WxHxD)		in	32 1/4 x 37 x 18 1/8
Package Dimension (WxHxD)		in	38 3/8 × 42 11/16 × 22 9/16
Weight (Net / Gross)		lbs	217 / 240
Refrigerant Charge - R410A		oz	148
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 (Cooling / Heating)	amps	21 / 25
	MCA / MOCP	amps	24 / 35
Main Power Wire Size		AWG	Size Per Local Code

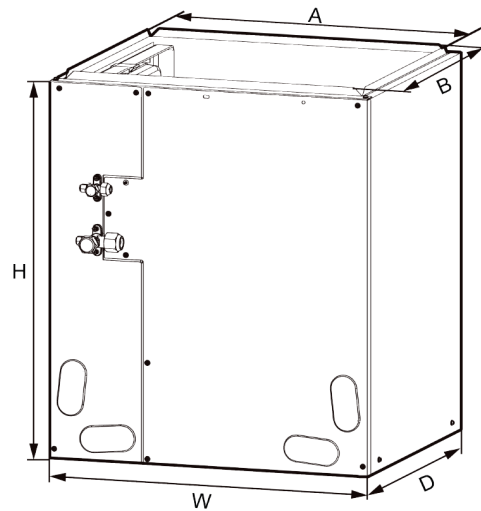
COOLING PERFORMANCE						HEATING PERFORMANCE				
Outdoor Ambient Temperature (DB)		Return Air Temperature				Outdoor Ambient Temperature (DB)		Return Air Temperature		
		80°F (DB)						70°F (DB)		
		TC (Btu/h)	SHR	EER	Power Input (W)			TC (Btu/h)	COP	Power Input (W)
MAX OUTPUT	5°F	36000	68.5%	16.29	2210	MAX OUTPUT	-22°F	18400	1.30	4150
	10°F	36000	70.8%	16.00	2250		-20°F	20000	1.38	4250
	15°F	36000	70.0%	15.79	2280		-15°F	21100	1.40	4430
	20°F	36000	71.0%	15.75	2285		-10°F	23500	1.50	4580
	25°F	36000	71.6%	15.69	2295		-5°F	25200	1.60	4630
	30°F	36000	69.8%	15.65	2300		0°F	28000	1.75	4700
	35°F	36000	70.9%	15.32	2350		5°F	30000	1.83	4800
	40°F	36000	69.5%	15.00	2400		10°F	31500	1.85	5000
	45°F	36000	71.2%	14.69	2450		15°F	34000	1.92	5200
	50°F	36000	70.0%	14.40	2500		17°F	36000	1.94	5450
	55°F	36000	70.8%	14.23	2530		20°F	36000	2.05	5150
	60°F	36000	71.0%	14.01	2570		25°F	36000	2.11	5000
	65°F	36000	70.0%	13.85	2600		30°F	36000	2.18	4850
	70°F	36000	71.5%	13.58	2650		35°F	36000	2.30	4600
	75°F	36000	69.8%	13.33	2700		40°F	36000	2.51	4200
	80°F	36000	70.4%	12.41	2900		45°F	37000	2.71	4000
	85°F	37000	69.5%	11.94	3100		47°F	38000	3.10	3600
	90°F	37000	71.7%	11.21	3300		50°F	38000	3.18	3500
	95°F	37000	70.0%	10.28	3600		55°F	38000	3.38	3300
	100°F	36000	70.8%	9.00	4000		60°F	38000	3.54	3150
105°F	36000	69.0%	8.18	4400	65°F	38000	3.57	3120		
110°F	35000	70.9%	8.14	4300	70°F	38000	3.58	3115		
115°F	33000	71.0%	8.05	4100	75°F	36000	3.58	2950		
120°F	30000	68.7%	7.89	3800						
125°F	25000	67.6%	7.81	3200						
129°F	23000	71.0%	7.67	3000						

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

SPECIFICATIONS		FLEXX36C / FLEXX36AC230V1AO	
System Type		AIR CONDITIONER	
SYSTEM PERFORMANCE			
Cooling	Rated Capacity @ 95°F	Btu/h	36000
	Min-Max Capacity	Btu/h	18000 - 37000
SEER / EER		18 / 11	
Energy Star®		NO	
Cooling Temperature Range		°F	40 - 118
INDOOR COIL		FLEXX36C	
Dehumidification		pt/hr	9.68
Condensate Drain Size (OD)		in	3 / 4
Unit Dimension (WxHxD)		in	17 1/2 × 23 × 21 1/4
Package Dimension (WxHxD)		in	21 × 25 13/16 × 27 1/8
Refrigerant Charge - R410A		oz	88
Weight (Net / Gross)		lbs	64 / 75
OUTDOOR UNIT		FLEXX36AC230V1AO	
Compressor Type		Inverter Rotary	
Compressor RLA		amps	16
Fan Motor Output Power		W	149
Fan Motor		amps	1.5
Sound Pressure Level		dB(A)	55
Unit Dimension (WxHxD)		in	32 1/4 x 37 x 18 1/8
Package Dimension (WxHxD)		in	38 3/8 × 42 11/16 × 22 9/16
Weight (Net / Gross)		lbs	217 / 240
Refrigerant Charge - R410A		oz	118.2
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	21
	MCA / MOCP	amps	24 / 35
Main Power Wire Size		AWG	Size Per Local Code
LIMITED WARRANTY		5 Years Parts and Compressor - Residential	

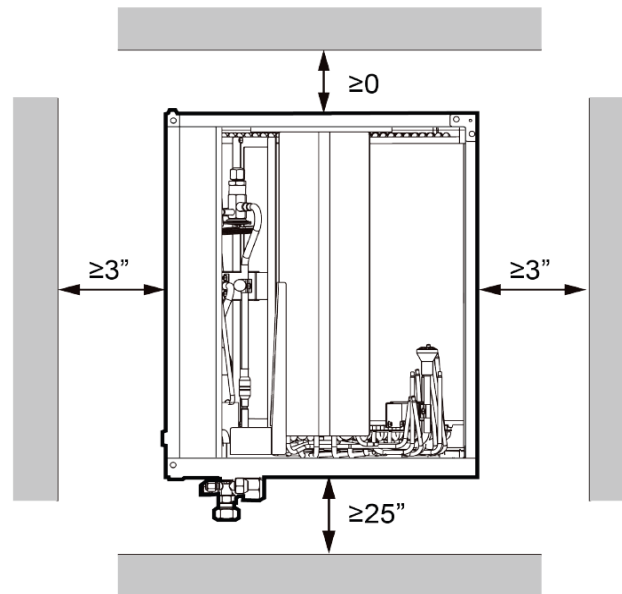
COOLING PERFORMANCE					
Outdoor Ambient Temperature (DB)		Return Air Temperature			
		80°F (DB)			
		TC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT	40°F	36000	69.5%	15.1	2380
	45°F	36000	71.2%	14.8	2430
	50°F	36000	70.0%	14.5	2480
	55°F	36000	70.8%	14.3	2510
	60°F	36000	71.0%	14.1	2550
	65°F	36000	70.0%	14.0	2580
	70°F	36000	71.5%	13.7	2630
	75°F	36000	69.8%	13.4	2680
	80°F	36000	70.4%	12.5	2880
	85°F	37000	69.5%	12.0	3080
	90°F	37000	71.7%	11.3	3280
	95°F	37000	70.0%	10.3	3580
	100°F	36000	70.8%	9.0	3980
	105°F	36000	69.0%	8.2	4380
	110°F	35000	70.9%	8.2	4280
	115°F	33000	71.0%	8.1	4080
118°F	30000	68.7%	7.9	3780	

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



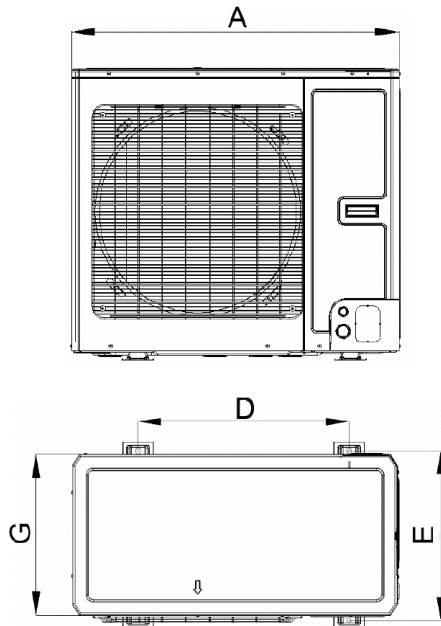
Dimensions	
A	15 7/8
B	19 3/8
H	23
W	17 1/2
D	21 1/4

Unit = inch

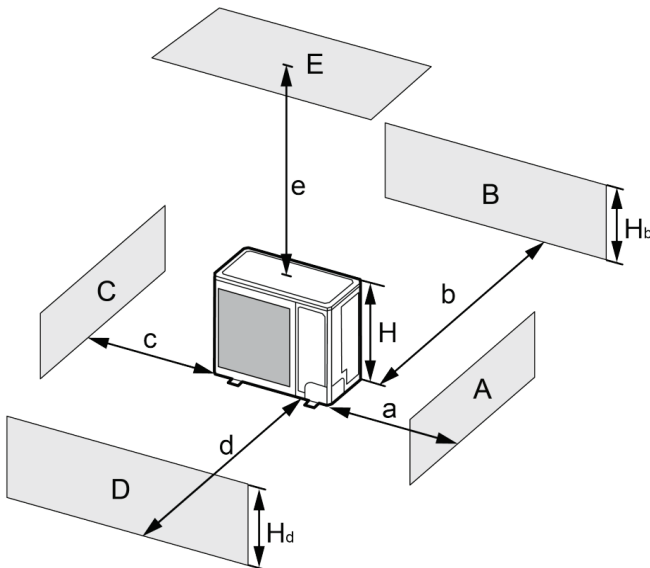


When installing the coil, take consideration to minimize the length of refrigerant tubing as much as possible. Do not install the air handler in a location either above or below the condenser that violates the instructions provided with the condenser. Service clearance is to take precedence. Allow a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

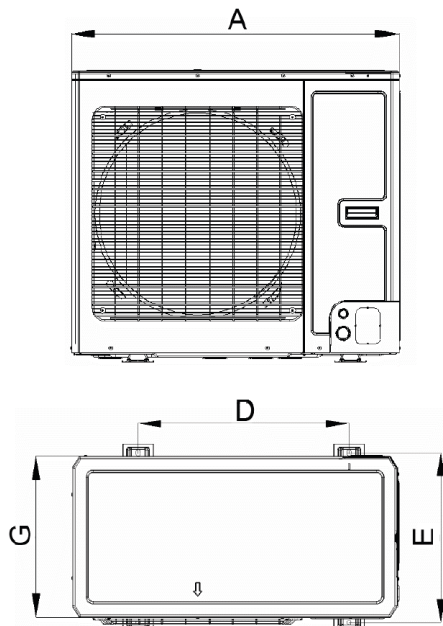


Dimensions	
A	37
B	20 1/8
C	32 1/4
D	24
E	19 1/8
G	18 1/8

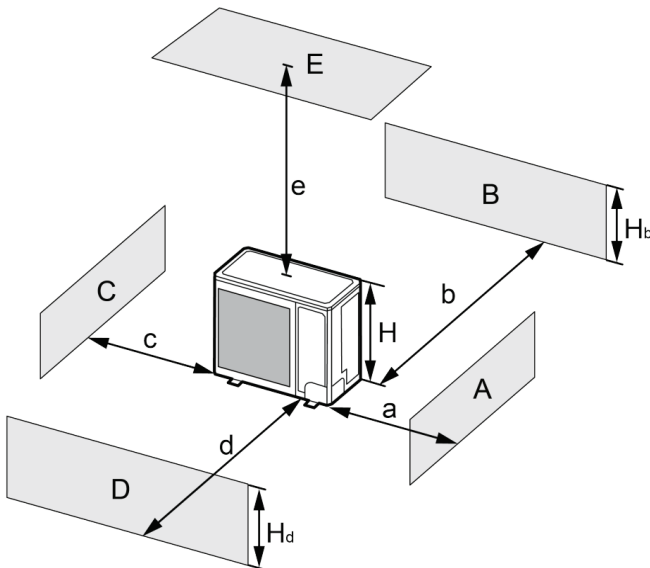


A-E	H _b	H _d	H	(in)				
				a	b	c	d	e
B	—	—	—	-	≥ 4	-	-	-
A,B,C	—	—	—	≥ 12	≥ 4	≥ 4	-	-
B,E	—	—	—	-	≥ 4	-	-	≥ 40
A,B,C,E	—	—	—	≥ 12	≥ 6	≥ 6	-	≥ 40
D	—	—	—	-	-	-	≥ 40	-
D,E	—	—	—	-	-	-	≥ 40	≥ 40
B,D	H _b < H _d	H _d > H	—	-	≥ 4	-	≥ 40	-
	H _b > H _d	H _d < H	—	-	≥ 4	-	≥ 40	-
B,D,E	H _b < H _d	H _b ≤ 1/2H	—	-	≥ 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
B	20 1/8
C	32 1/4
D	24
E	19 1/8
G	18 1/8



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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