



Submittal Data Sheet

Indoor Unit Model#: ACiQ-KE36W-W-HP230B

Outdoor Unit Model#: ACiQ-KE36Z-HP230B

ACIQ Essentials 36K (230V) R32 Single-Zone Mini-Split System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR UNIT SPECIFICATIONS		
Indoor Airflow (Turbo/Hi/Med/Lo/Mute)	CFM	882 / 741 / 564 / 458 / 411
Indoor Noise Level (cooling) (Turbo/Hi/Med/Lo/Mute)	dB(A)	55 / 52 / 46 / 41 / 39
Suitable Room Coverage Area	sq. ft.	Up to 646
Moisture Removal/Dehumidification	Liters/hr	3.0
Controller	Type	Remote
Unit Dimensions (W×D×H)	in	46.89 x 10.16 x 14.17
	mm	1191 x 258 x 360
Packaging Dimensions (W×D×H)	inch	49.61 x 12.91 x 16.93
	mm	1260 x 328 x 430
Net Weight	lbs	38.58
	kg	17.50
Gross Weight	lbs	46.30
	kg	21.00

OUTDOOR UNIT SPECIFICATIONS		
Outdoor Noise Level	dB(A)	63
Unit Dimensions (including valve guard cover) (W×D×H)	in	38.50 x 16.57 x 31.61
	mm	978 x 421 x 803
Packing Dimensions (W×D×H)	in	40.24 x 18.90 x 32.87
	mm	1022 x 480 x 835
Net Weight	lbs	113.54
	kg	51.50
Gross Weight (without line set)	lbs	120.2
Gross Weight (with 16 ft. line set)	lbs	122.4
	kg	55.50

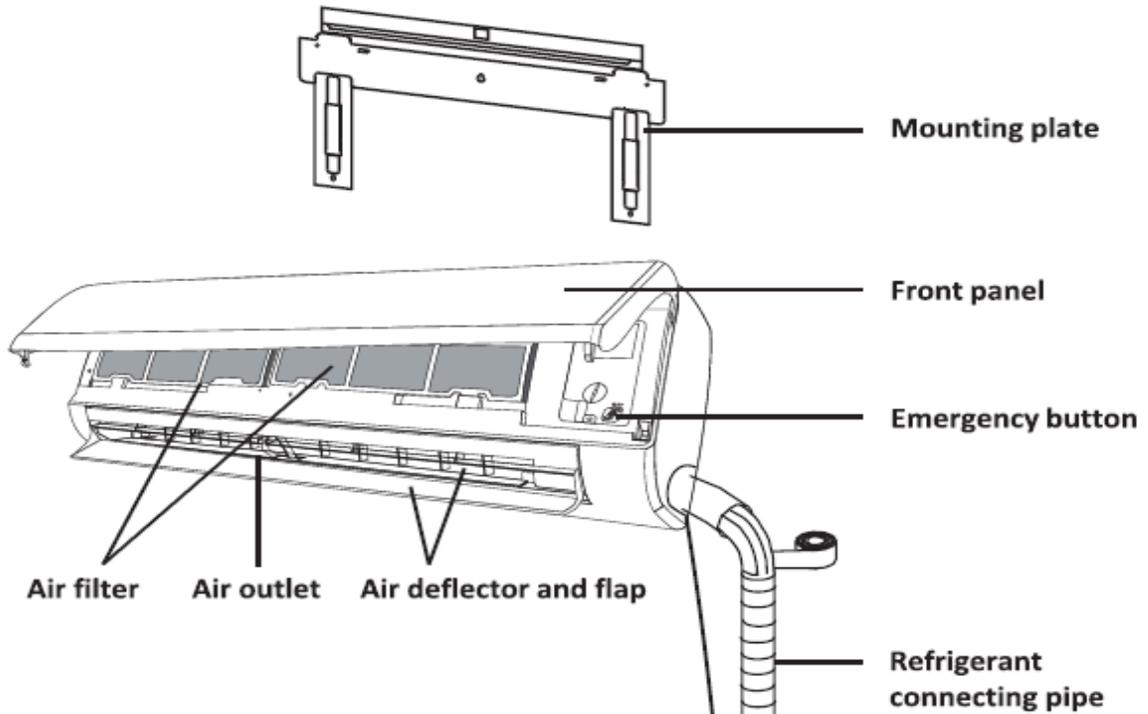
SYSTEM PERFORMANCE			
Cooling Performance			
Cooling Capacity Range	Btu/h	7500 ~ 36000	
Rated Cooling Capacity at 95°F (35°C)	Btu/h	35000	
SEER2 at 95°F (35°C)	Btu/W.h	17.0	
EER2 at 95°F (35°C)	Btu/W.h	9.5	
Rated Input Consumption	W	3350	
Rated Current	A	14.6	
Heating Performance			
Heating Capacity Range	Btu/h	7500 ~ 36000	
Rated Heating Capacity at 47°F (8.3°C)	Btu/h	35400	
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	20400	
Max. Heating Capacity at 5°F (-15°C)	Btu/h	18000	
Heating Ratio at 5°F (-15°C)	%	51	
HSPF2-Region IV	Btu/W.h	8.5	
HSPF2-Region V	Btu/W.h	7.5	
COP2 at 47°F (8.3°C)	W/W	3.2	
COP2 at 5°F (-15°C)	W/W	1.8	
Rated Input Consumption	W	3000	
Rated Current	A	13.2	

ELECTRICAL SPECIFICATIONS		
Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Minimum Circuit Ampacity (MCA)	A	23
Max. Fuse Size	A	35
Recommended Connection Wiring	Size x Core No.	4 x 16 AWG
Recommended Power Wiring	Core No.	12 AWG

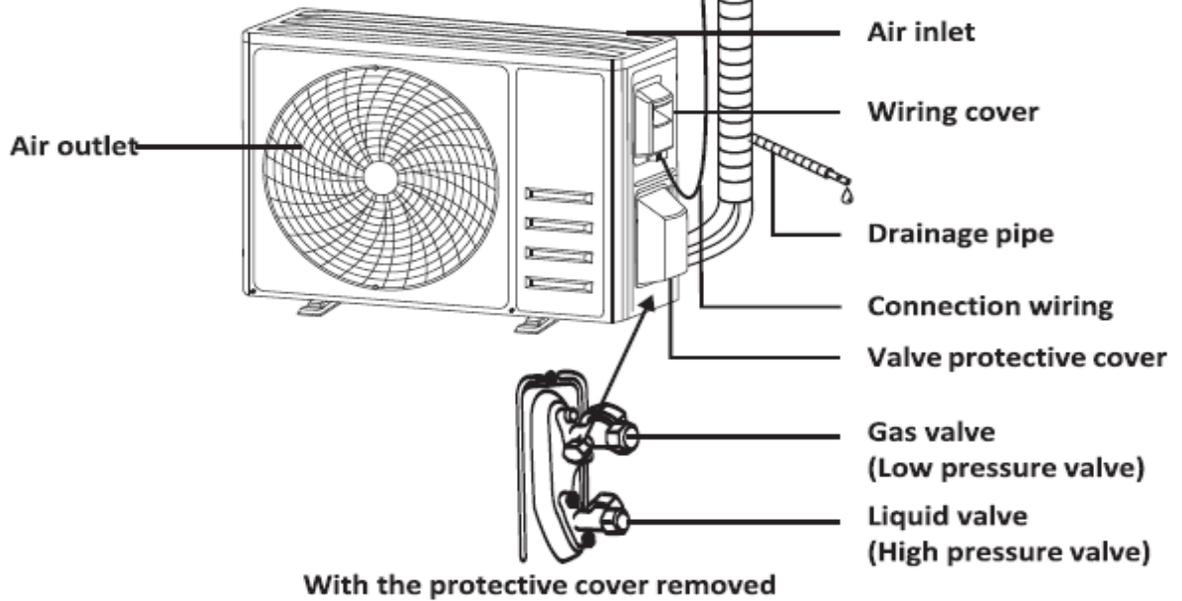
OPERATING & AMBIENT TEMPERATURE RANGE			
Operating Temperature Range	°F	60.8 ~ 87.8	
	°C	16 ~ 31	
Ambient Temperature Range (Cooling Operation)			
Indoor Unit	°F	≥ 62	
	°C	≥ 17	
Outdoor Unit	°F	53.6 ~ 122	
	°C	12 ~ 50	
Ambient Temperature Range (Heating Operation)			
Indoor Unit	°F	≤ 86	
	°C	≤ 30	
Outdoor Unit	°F	5 ~ 86	
	°C	-15 ~ 30	

REFRIGERANT PIPING SPECIFICATIONS		
Refrigerant	Type	R32
Refrigerant Charge Amount	oz	56.08
	g	1590
Additional Charge of Refrigerant	oz/ft	0.11
	g/m	10
Max. Operation Pressure	Mpa	5
Liquid Piping Size	in	1/4"
	mm	6.35
Gas Piping Size	in	5/8"
	mm	15.86
Included Line Set Length (not pre-charged w/ refrigerant)	ft	16
	m	4.88
Max. Piping Length	ft	98
	m	30
Max. Height Difference	ft	65
	m	20
Connection Method	Type	Flared Fitting

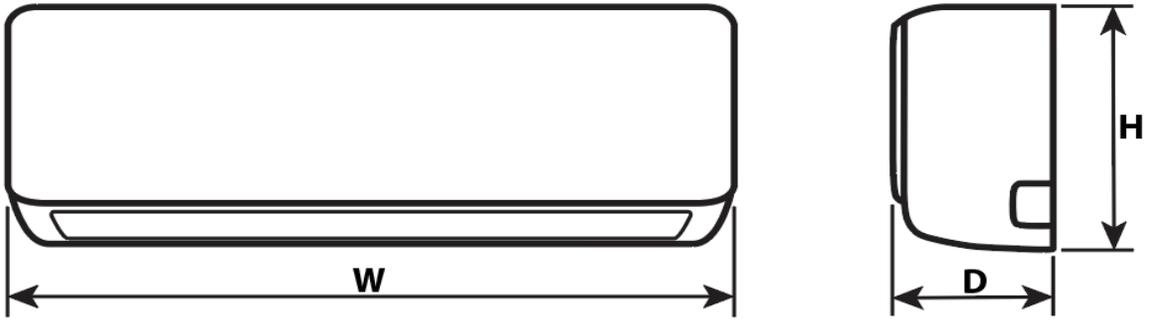
Indoor Unit



Outdoor Unit



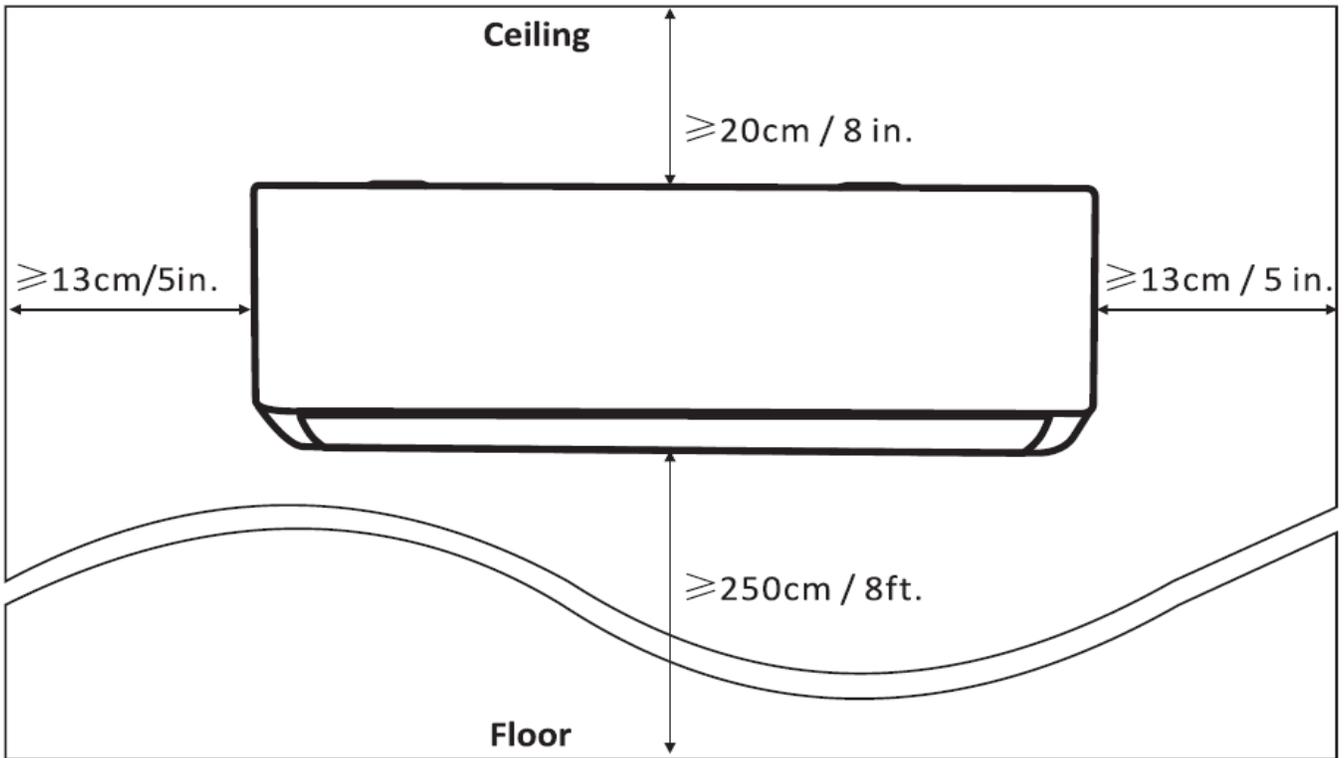
Indoor Unit Dimensions



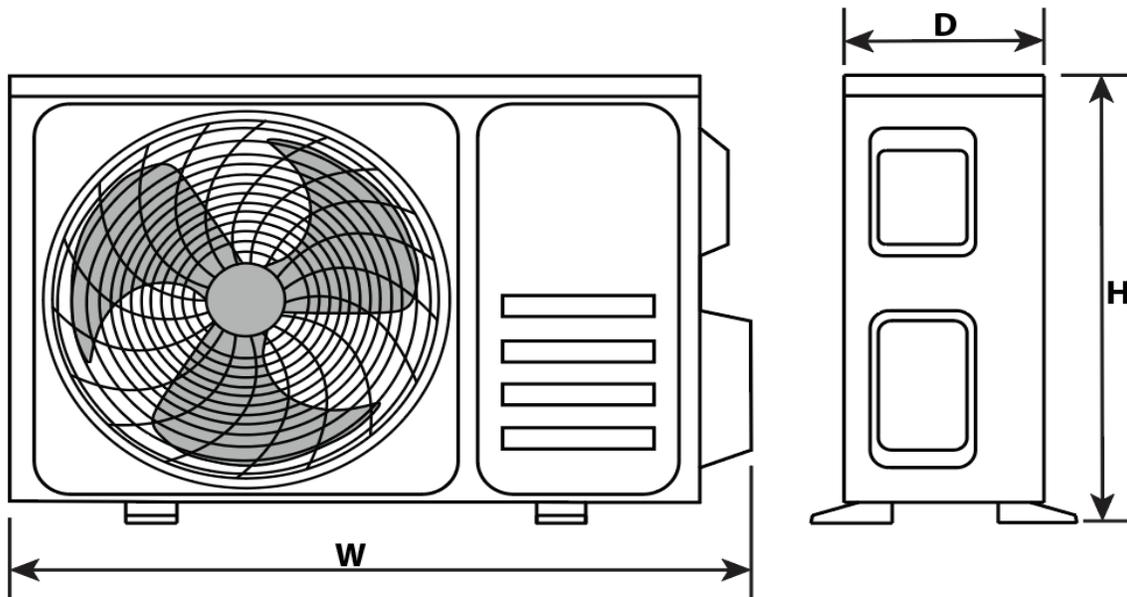
Capacity	W (Width)	D (Depth)	H (Height)
12K	30.59 in (777 mm)	7.91 in (201 mm)	9.84 in (250 mm)
18K	35.83 in (910 mm)	8.11 in (206 mm)	11.57 in (294 mm)
24K	39.76 in (1010 mm)	8.66 in (220 mm)	12.40 in (315 mm)
36K	46.89 in (1191 mm)	10.16 in (258 mm)	14.17 in (360 mm)

Units: Inch (Millimeter)

Indoor Unit Installation Clearance Requirements



Outdoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
12K	30.98 in (787 mm)	11.42 in (290 mm)	19.61 in (498 mm)
18K	31.89 in (810 mm)	12.01 in (305 mm)	21.61 in (549 mm)
24K	33.98 in (863 mm)	13.74 in (349 mm)	23.70 in (602 mm)
36K	38.50 in (978 mm)	16.57 in (421 mm)	31.61 in (803 mm)

Units: Inch (Millimeter)

Outdoor Unit Installation Clearance Requirements

