



Submittal Data Sheet

Indoor Unit Model#: ACiQ-KE18W-W-HP230B

Outdoor Unit Model#: ACiQ-KE18Z-HP230B

ACIQ Essentials 18K (230V) R32 Single-Zone Mini-Split System

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

System Product Code: 810175553900
 Indoor Unit Product Code: 810175553801
 Outdoor Unit Product Code: 810175553856



INDOOR UNIT SPECIFICATIONS

Indoor Airflow (Turbo/Hi/Med/Lo/Mute)	CFM	412 / 364 / 294 / 235 / 208
Indoor Noise Level (cooling) (Turbo/Hi/Med/Lo/Mute)	dB(A)	49 / 45 / 40 / 34 / 32
Suitable Room Coverage Area	sq. ft.	Up to 380
Moisture Removal/Dehumidification	Liters/hr	1.6
Controller	Type	Remote
Unit Dimensions (W×D×H)	in	35.83 x 8.11 x 11.57
	mm	910 x 206 x 294
Packaging Dimensions (W×D×H)	inch	38.54 x 10.91 x 14.65
	mm	979 x 277 x 372
Net Weight	lbs	20.94
	kg	9.50
Gross Weight	lbs	27.56
	kg	12.50

OUTDOOR UNIT SPECIFICATIONS

Outdoor Noise Level	dB(A)	57
Unit Dimensions (including valve guard cover) (W×D×H)	in	31.89 x 12.01 x 21.61
	mm	810 x 305 x 549
Packing Dimensions (W×D×H)	in	33.54 x 14.09 x 23.62
	mm	852 x 358 x 600
Net Weight	lbs	59.52
	kg	27.00
Gross Weight (without line set)	lbs	66.14
Gross Weight (with 16 ft. line set)	kg	30.00
	lbs	69.44
	kg	31.50

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Minimum Circuit Ampacity (MCA)	A	12
Max. Fuse Size	A	20
Recommended Connection Wiring	Size x Core No.	4 x 16 AWG
Recommended Power Wiring	Core No.	14 AWG

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant	Type	R32
Refrigerant Charge Amount	oz	23.63
	g	670
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	3/8"
	mm	9.53
Included Line Set Length (not pre-charged w/ refrigerant)	ft	16
	m	4.88
Max. Piping Length	ft	49
	m	15
Max. Height Difference	ft	33
	m	10
Connection Method	Type	Flared Fitting

SYSTEM PERFORMANCE

Cooling Performance

Cooling Capacity Range	Btu/h	4095 ~ 17700
Rated Cooling Capacity at 95°F (35°C)	Btu/h	17000
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	1770
Rated Current	A	7.7

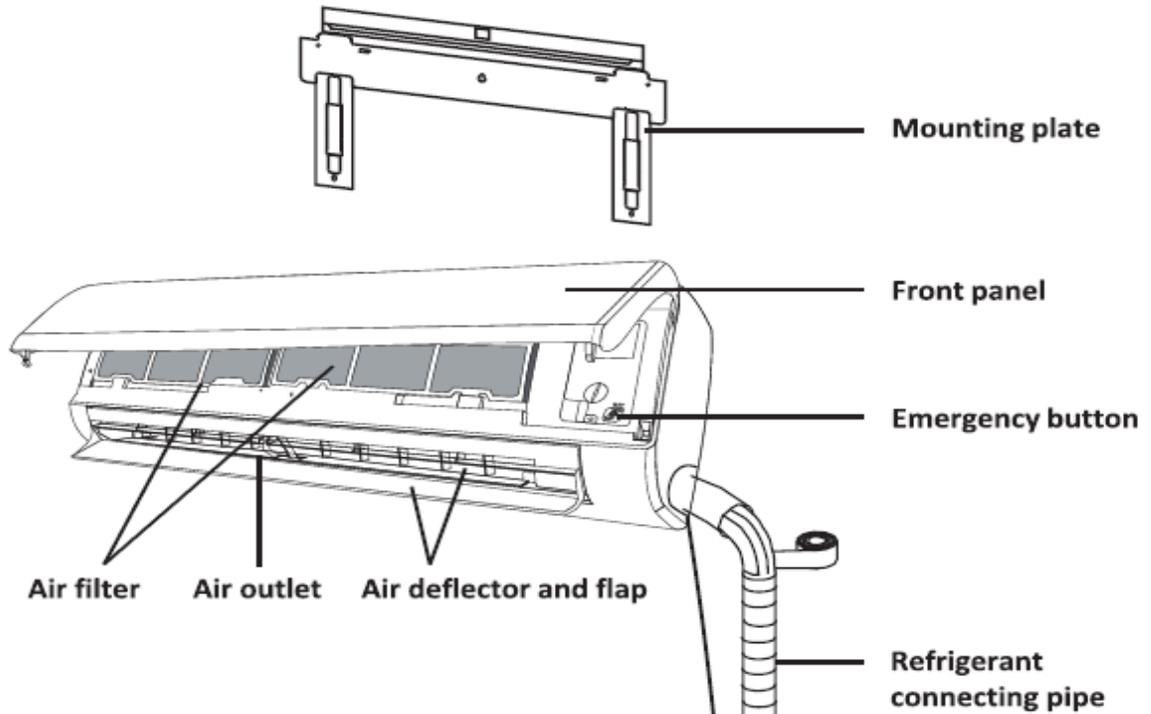
Heating Performance

Heating Capacity Range	Btu/h	4095 ~ 17700
Rated Heating Capacity at 47°F (8.3°C)	Btu/h	16500
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	10000
Max. Heating Capacity at 5°F (-15°C)	Btu/h	9500
Heating Ratio at 5°F (-15°C)	%	58
HSPF2-Region IV	Btu/W.h	8.5
HSPF2-Region V	Btu/W.h	7.2
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	1440
Rated Current	A	6.3

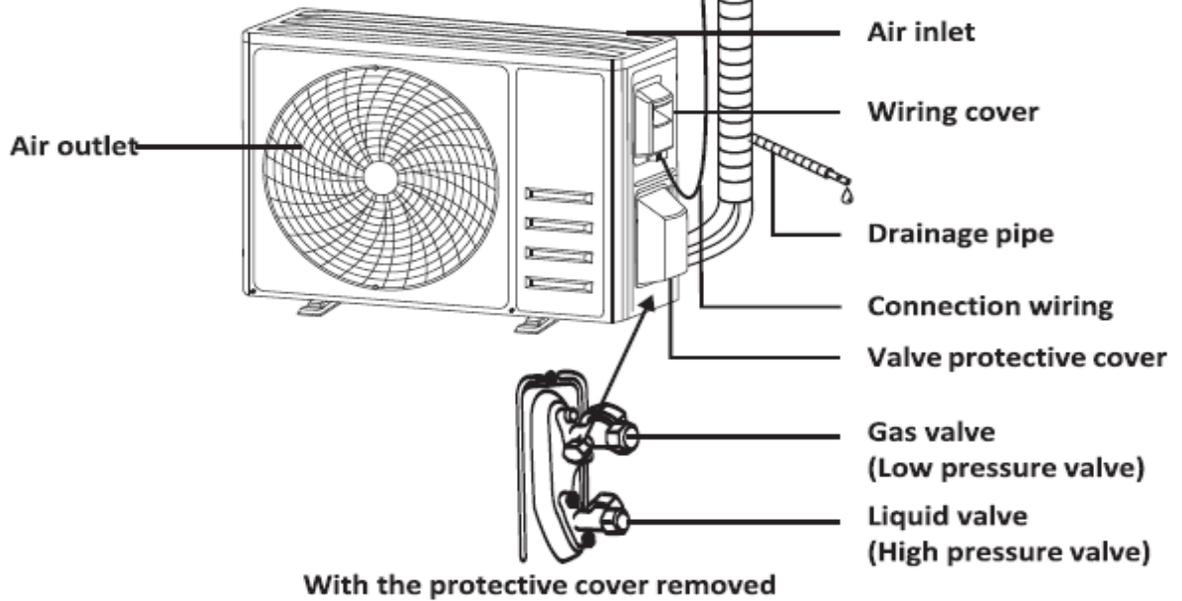
OPERATING & AMBIENT TEMPERATURE RANGE

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

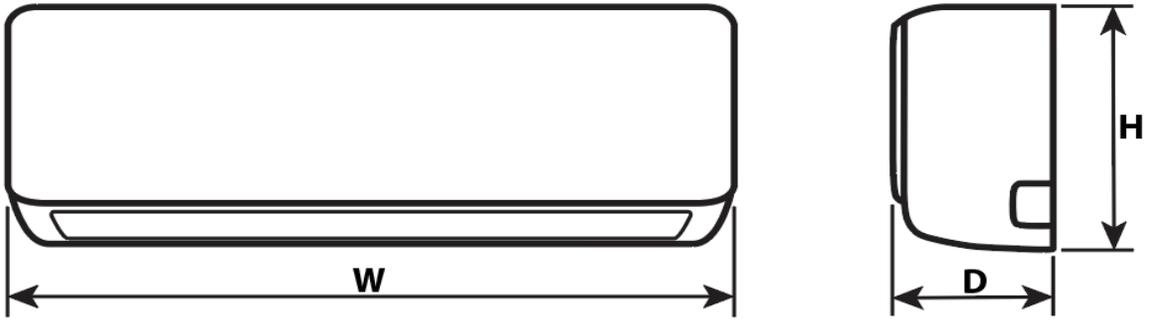
Indoor Unit



Outdoor Unit



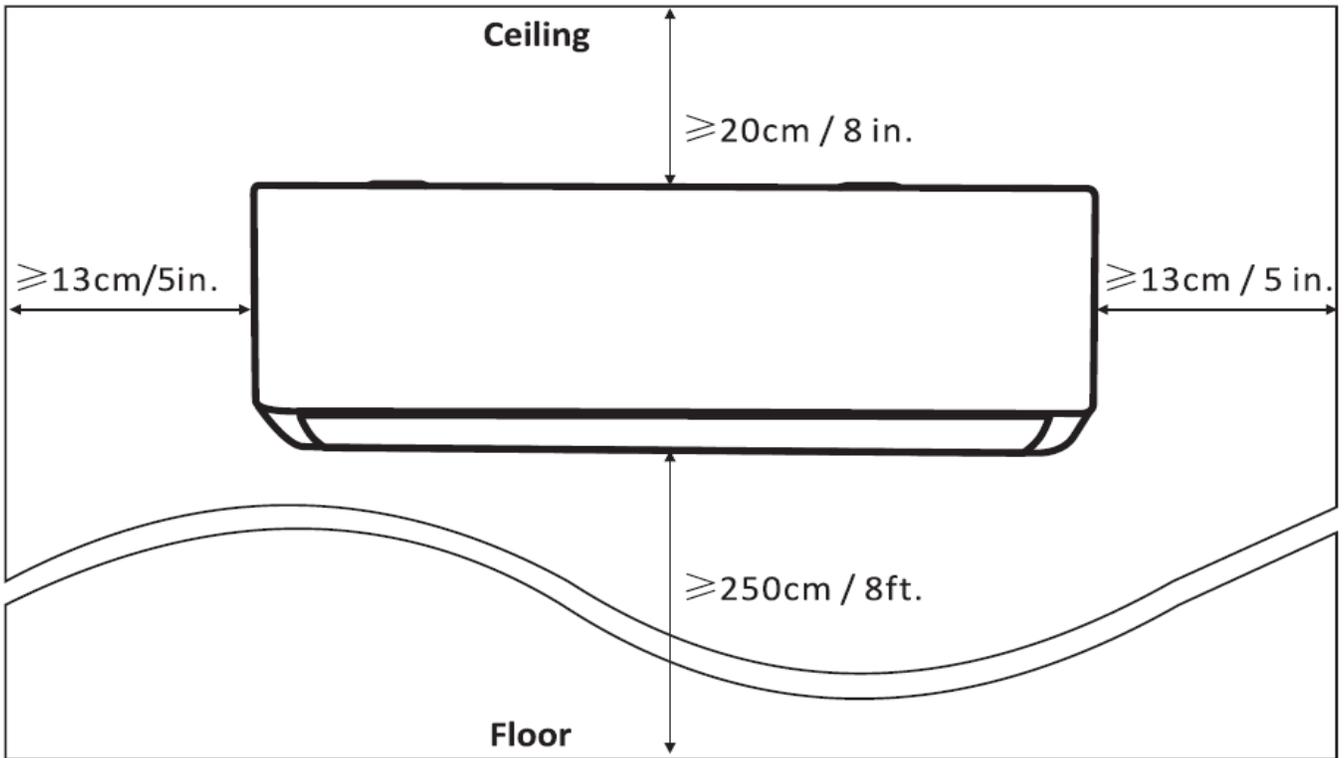
Indoor Unit Dimensions



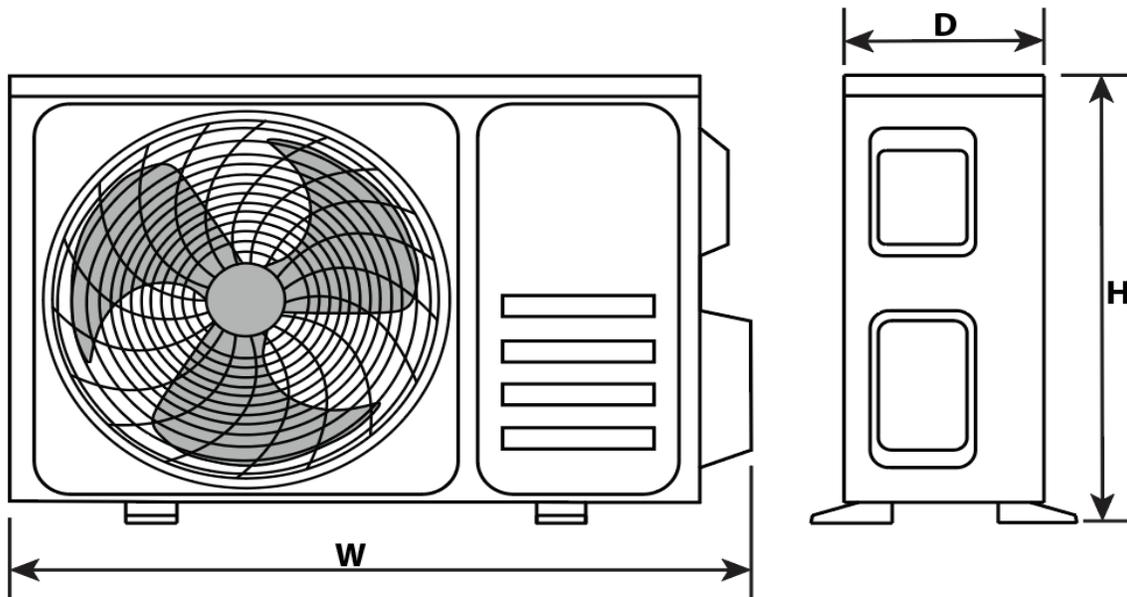
Capacity	W (Width)	D (Depth)	H (Height)
12K	30.59 in (777 mm)	7.91 in (201 mm)	9.84 in (250 mm)
18K	35.83 in (910 mm)	8.11 in (206 mm)	11.57 in (294 mm)
24K	39.76 in (1010 mm)	8.66 in (220 mm)	12.40 in (315 mm)
36K	46.89 in (1191 mm)	10.16 in (258 mm)	14.17 in (360 mm)

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

