



Submittal Data Sheet

Indoor Unit Model#: ACiQ-K12W-W-HP230B (White)

ACiQ-K12W-BL-HP230B (Black)

Outdoor Unit Model#: ACiQ-K12Z-HP230B

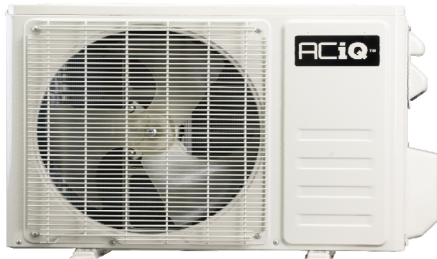
12K (230V) Single-Zone Mini-Split System

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

System Product Code: 810175552170 (with white air handler)
810175552248 (with black air handler)

Indoor Unit Product Code: 810175551968 (white air handler)
810175552040 (black air handler)

Outdoor Unit Product Code: 810175552101



INDOOR UNIT SPECIFICATIONS

Indoor Airflow (Turbo/Hi/Med/Low/Mute)	CFM	305 / 264 / 223 / 176 / 141
Indoor Noise Level (cooling) (Turbo/Hi/Med/Low/Mute)	dB(A)	45 / 42 / 35 / 30 / 28
Suitable Room Coverage Area	sq. ft.	Up to 550
Moisture Removal/Dehumidification	Liters/hr	1.6
Controller	Type	Remote
Unit Dimensions (W×D×H)	in	31.92 x 11.49 x 7.99
	mm	811 x 292 x 203
Packing Dimensions (W×D×H)	inch	34.84 x 14.40 x 10.82
	mm	885 x 366 x 275
Net Weight	lbs	19.8
	kg	9.0
Gross Weight (w/ all accessories)	lbs	26.5
	kg	12

OUTDOOR UNIT SPECIFICATIONS

Outdoor Noise Level	dB(A)	55
Unit Dimensions (W×D×H)	in	30.98 x 11.41 x 19.60
	mm	787 x 290 x 498
Packing Dimensions (W×D×H) (w/o 5m pipe)	in	32.20 x 12.79 x 20.27
	mm	818 x 325 x 515
Packing Dimensions (W×D×H) (w/ 5m pipe)	in	32.99 x 13.30 x 21.25
	mm	838 x 338 x 540
Packing Dimensions (W×D×H) (w/ larger packaging & 5m pipe)	in	32.99 x 13.30 x 22.83
	mm	838 x 338 x 580
Net Weight	lbs	55.1
	kg	25
Gross Weight (w/o 5m pipe)	lbs	59.5
	kg	27
Gross Weight (w/ 5m pipe)	lbs	63.9
	kg	29
Gross Weight (w/ larger packaging & 5m pipe)	lbs	65
	kg	29.5

SYSTEM PERFORMANCE

Cooling Performance

Rated Cooling Capacity at 95°F (35°C)	Btu/h	12000
SEER2 at 95°F (35°C)	Btu/W.h	21.0
EER2 at 95°F (35°C)	Btu/W.h	11.7
Rated Input Consumption	W	1050
Rated Current	A	4.8

Heating Performance

Rated Heating Capacity at 47°F (8.3°C)	Btu/h	12600
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	7500
Max. Heating Capacity at 5°F (-15°C)	Btu/h	9100
HSPF2-Region IV	Btu/W.h	9.5
HSPF2-Region V	Btu/W.h	8.2
COP2 at 47°F (8.3°C)	W/W	3.41
COP2 at 5°F (-15°C)	W/W	2.1
Rated Input Consumption	W	1030
Rated Current	A	4.7

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	5 ~ 122
	°C	-15 ~ 50
Ambient Temperature Range (Heating Operation)		
Indoor Unit	°F	≤ 86
	°C	≤ 30
Outdoor Unit	°F	-4 ~ 86
	°C	-20 ~ 30

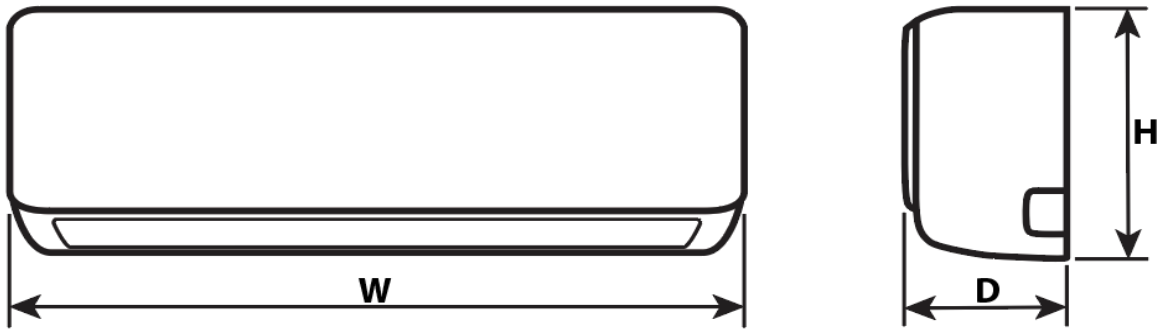
ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Minimum Circuit Ampacity (MCA)	A	11
Max. Fuse Size	A	15
Recommended Connection Wiring	Size x Core No.	4 x 16 AWG

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant	Type	R454B
Refrigerant Charge Amount	oz	30.34
	g	860
Additional Charge of Refrigerant	oz/ft	0.11
	g/m	10
Max. Allowable Pressure	Mpa	5.0
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	50
	m	15
Max. Height Difference	ft	33
	m	10
Connection Method	Type	Flared Fitting

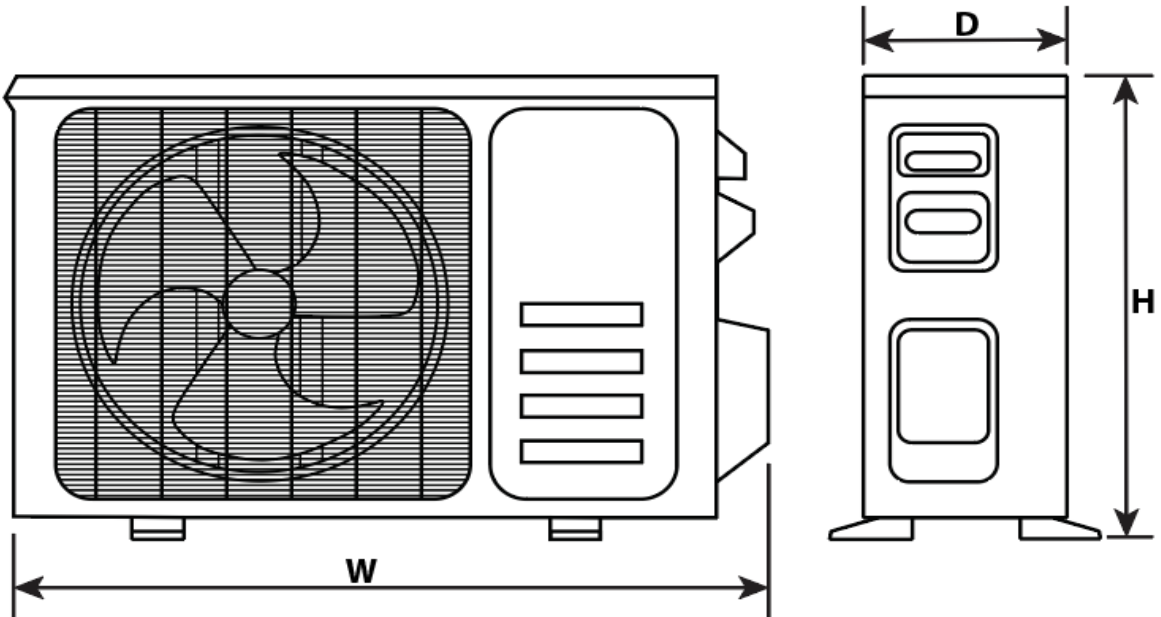
Indoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K-12K	31.92 in (811 mm)	11.49 in (292 mm)	7.99 in (203 mm)
18K	39.76 in (1010 mm)	12.40 in (315 mm)	8.66 in (220 mm)
24K-36K	46.93 in (1192 mm)	14.17 in (360 mm)	10.23 in (260 mm)

Units: Inch (Millimeter)

Outdoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K-12K	30.98 in (787 mm)	11.41 in (290 mm)	19.60 in (498 mm)
18K	33.97 in (863 mm)	13.74 in (349 mm)	23.70 in (602 mm)
24K	36.49 in (927 mm)	14.96 in (380 mm)	27.51 in (699 mm)
36K	38.50 in (978 mm)	16.57 in (421 mm)	31.61 in (803 mm)

Units: Inch (Millimeter)