



Submittal Data Sheet

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

ACiQ-K12W-BL-HP230B (Black)

Outdoor Unit Model#: ACiQ-K12Z-HP230B

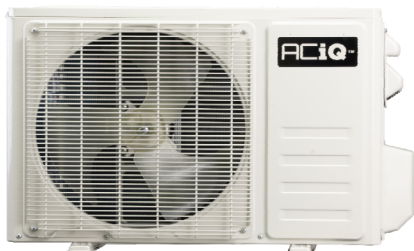
12K (230V) Single-Zone Mini-Split System

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	342 / 270 / 235 / 200 / 152
Indoor Noise Level (cooling) (Turbo/Hi/Med/Low/Mute)	dB(A)	45 / 42 / 35 / 30 / 28
Suitable Room Coverage Area	sq. ft.	Up to 280
Moisture Removal/Dehumidification	Liters/hr	1.6
Controller	Type	Remote
Unit Dimensions (W×D×H)	in	31.93 x 7.99 x 11.50
	mm	811 x 203 x 292
Packing Dimensions (W×D×H)	inch	34.84 x 10.83 x 14.41
	mm	885 x 275 x 366
Net Weight	lbs	19.8
	kg	9.0
Gross Weight	lbs	26.5
	kg	12

OUTDOOR UNIT SPECIFICATIONS

Outdoor Noise Level	dB(A)	55
Unit Dimensions (W×D×H)	in	30.98 x 11.42 x 19.61
	mm	787 x 290 x 498
Packing Dimensions (W×D×H)	in	32.99 x 13.31 x 21.26
	mm	838 x 338 x 540
Net Weight	lbs	55.1
	kg	25
Gross Weight	lbs	65
	kg	29.5

SYSTEM PERFORMANCE

Cooling Performance

Cooling Capacity Range	Btu/h	3400 ~ 13000
Rated Cooling Capacity at 95°F (35°C)	Btu/h	12000
SEER2 at 95°F (35°C)	Btu/W.h	20.0
EER2 at 95°F (35°C)	Btu/W.h	11.2
Rated Input Consumption	W	1050
Rated Current	A	4.8

Heating Performance

Heating Capacity Range	Btu/h	3400 ~ 13900
Rated Heating Capacity at 47°F (8.3°C)	Btu/h	12000
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	7400
Max. Heating Capacity at 5°F (-15°C)	Btu/h	8500
Max. Heating Capacity at -4°F (-20°C)	Btu/h	7200
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	1.8
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

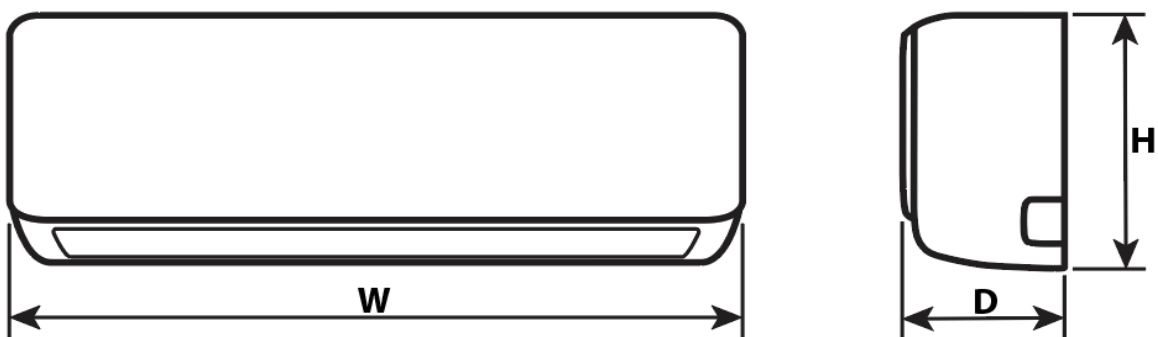
ELECTRICAL SPECIFICATIONS

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
Recommended Power Wiring	Core No.	14 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	49
	m	15
Max. Height Difference	ft	33
	m	10
Connection Method	Type	Flared Fitting

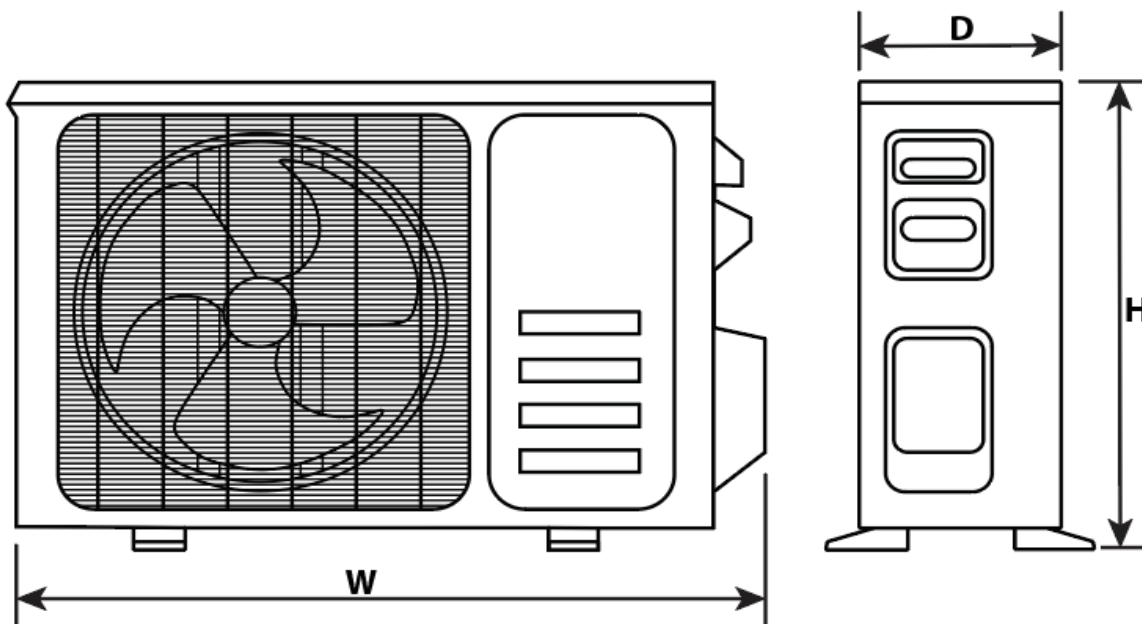
Indoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K-12K	31.93 in (811 mm)	7.99 in (203 mm)	11.50 in (292 mm)
18K	39.76 in (1010 mm)	8.66 in (220 mm)	12.40 in (315 mm)
24K-36K	46.89 in (1191 mm)	10.16 in (258 mm)	14.17 in (360 mm)

Units: Inch (Millimeter)

Outdoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K-12K	30.98 in (787 mm)	11.42 in (290 mm)	19.61 in (498 mm)
18K	33.98 in (863 mm)	13.74 in (349 mm)	23.70 in (602 mm)
24K	36.50 in (927 mm)	14.96 in (380 mm)	27.52 in (699 mm)
36K	38.50 in (978 mm)	16.57 in (421 mm)	31.61 in (803 mm)

Units: Inch (Millimeter)