



Submittal Data Sheet

Indoor Unit Model#: ACiQ-K18W-W-HP230B (White)

ACiQ-K18W-BL-HP230B (Black)

Outdoor Unit Model#: ACiQ-K18Z-HP230B

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

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

System Product Code: 810175552187 (with white air handler)
810175552255 (with black air handler)

Indoor Unit Product Code: 810175551975 (white air handler)
810175552033 (black air handler)

Outdoor Unit Product Code: 810175552118



SYSTEM PERFORMANCE

Cooling Performance

Rated Cooling Capacity at 95°F (35°C)	Btu/h	18000
SEER2 at 95°F (35°C)	Btu/W.h	21.0
EER2 at 95°F (35°C)	Btu/W.h	11.0
Rated Input Consumption	W	1700
Rated Current	A	7.7

Heating Performance

Rated Heating Capacity at 47°F (8.3°C)	Btu/h	19000
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	11000
Max. Heating Capacity at 5°F (-15°C)	Btu/h	12500
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	1530
Rated Current	A	6.9

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

INDOOR UNIT SPECIFICATIONS

Indoor Airflow (Turbo/Hi/Med/Low/Mute)	CFM	617 / 575 / 511 / 411 / 382
Indoor Noise Level (cooling) (Turbo/Hi/Med/Low/Mute)	dB(A)	49 / 47 / 42 / 37 / 32
Suitable Room Coverage Area	sq. ft.	Up to 1000
Moisture Removal/Dehumidification	Liters/hr	2.2
Controller	Type	Remote
Unit Dimensions (W×D×H)	in	39.76 x 8.66 x 12.40
	mm	1010 x 220 x 315
Packing Dimensions (W×D×H)	inch	43.14 x 11.69 x 15.35
	mm	1096 x 297 x 390
Packing Dimensions (W×D×H) (w/ taller packaging)	inch	43.14 x 12.28 x 15.35
	mm	1096 x 312 x 390
Net Weight	lbs	27.6
	kg	12.5
Gross Weight (w/ all accessories)	lbs	33.7
	kg	15.3

OUTDOOR UNIT SPECIFICATIONS

Outdoor Noise Level	dB(A)	55
Unit Dimensions (W×D×H)	in	33.97 x 13.74 x 23.70
	mm	863 x 349 x 602
Packing Dimensions (W×D×H) (w/o 5m pipe)	in	35.03 x 15.15 x 24.72
	mm	890 x 385 x 628
Packing Dimensions (W×D×H) (w/ 5m pipe)	in	35.43 x 15.94 x 25.39
	mm	900 x 405 x 645
Packing Dimensions (W×D×H) (w/ larger packaging & 5m pipe)	in	35.43 x 15.94 x 26.96
	mm	900 x 405 x 685
Net Weight	lbs	70.5
	kg	32
Gross Weight (w/o 5m pipe)	lbs	76.5
	kg	34.7
Gross Weight (w/ 5m pipe)	lbs	80.9
	kg	36.7
Gross Weight (w/ larger packaging & 5m pipe)	lbs	83.1
	kg	37.7

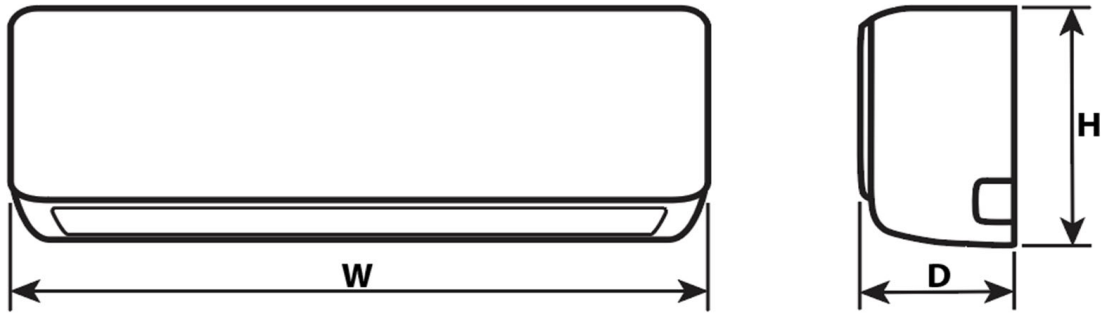
ELECTRICAL SPECIFICATIONS

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

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant	Type	R454B
Refrigerant Charge Amount	oz	35.27
	g	1000
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	65
	m	20
Max. Height Difference	ft	49
	m	15
Connection Method	Type	Flared Fitting

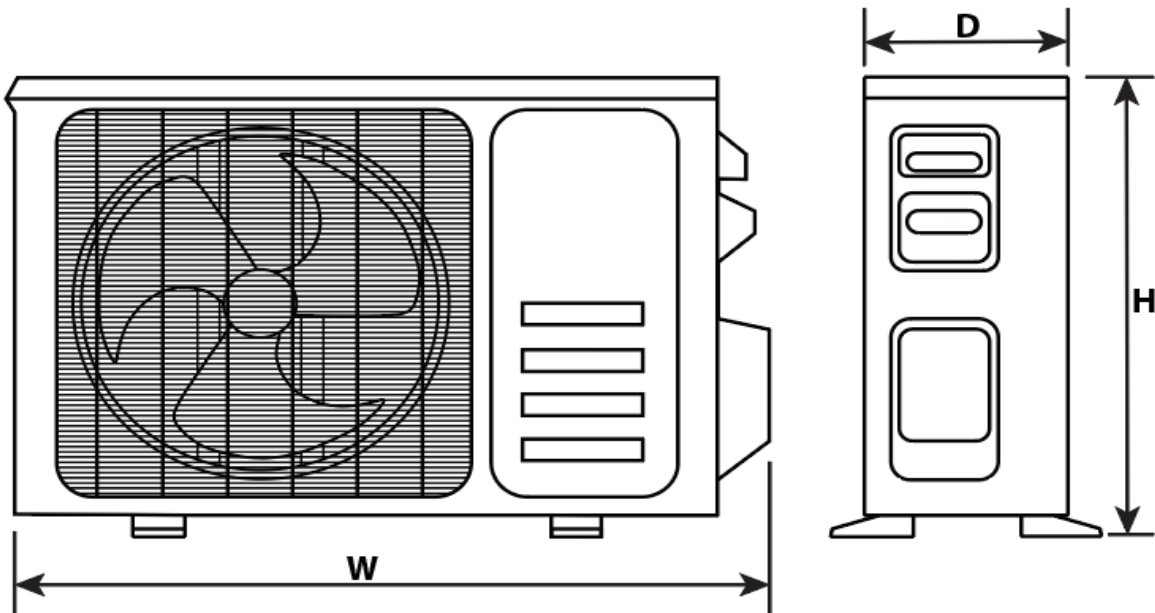
Indoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K-12K	31.92 in (811 mm)	7.99 in (203 mm)	11.49 in (292 mm)
18K	39.76 in (1010 mm)	8.66 in (220 mm)	12.40 in (315 mm)
24K-36K	46.93 in (1192 mm)	10.23 in (260 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)	11.41 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)