



Submittal Data Sheet

Indoor Unit Model#: ACiQ-K24W-W-32-HP230B (White)
ACiQ-K24W-BL-32-HP230B (Black)

Outdoor Unit Model#: ACiQ-K24Z-32-HP230B

ACiQ Essentials 24K (230V) R32 20 SEER2 Single-Zone Mini-Split System

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

System Product Code: 810175554792 (with white air handler)
810175554860 (with black air handler)

Indoor Unit Product Code: 810175554587 (white air handler)
810175554655 (black air handler)

Outdoor Unit Product Code: 810175554723



INDOOR UNIT SPECIFICATIONS

Indoor Airflow (Turbo/Hi/Med/Low/Mute)	CFM	647 / 575 / 517 / 423 / 382
Indoor Noise Level (cooling) (Turbo/Hi/Med/Low/Mute)	dB(A)	51 / 49 / 43 / 37 / 34
Suitable Room Coverage Area	sq. ft.	Up to 480
Moisture Removal/Dehumidification	Liters/hr	2.6
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	43.15 x 11.69 x 15.35
	mm	1096 x 297 x 390
Net Weight	lbs	26.5
	kg	12.0
Gross Weight	lbs	33.7
	kg	15.3

OUTDOOR UNIT SPECIFICATIONS

Outdoor Noise Level	dB(A)	60
Unit Dimensions (with Valve cover) (W×D×H)	in	36.10 x 14.76 x 27.56
	mm	917 x 375 x 700
Packing Dimensions (W×D×H)	in	37.80 x 16.93 x 28.82
	mm	960 x 430 x 732
Net Weight	lbs	88.2
	kg	40.0
Gross Weight	lbs	103.6
	kg	47.0

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Minimum Circuit Ampacity (MCA)	A	20
Max. Fuse Size	A	30
Recommended Connection Wiring	Size x Core No.	4 x 16 AWG
Recommended Power Wiring	Core No.	3 x 14 AWG

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant	Type	R32
Refrigerant Charge Amount	oz	42.33
	g	1200
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	1/2"
	mm	12.70
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

SYSTEM PERFORMANCE

Cooling Performance

Rated Cooling Capacity at 95°F (35°C)	Btu/h	24000
Cooling Capacity Range	Btu/h	5100 ~ 26000
EER2 at 95°F (35°C)	Btu/W.h	10.5
SEER2 at 95°F (35°C)	Btu/W.h	20.0
Rated Input Consumption	W	2250
Rated Current	A	9.8

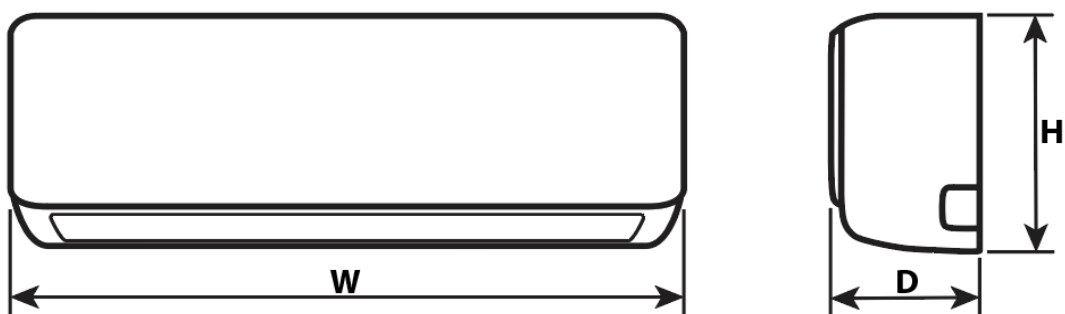
Heating Performance

Rated Heating Capacity at 47°F (8.3°C)	Btu/h	24000
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	18000
Max. Heating Capacity at 5°F (-15°C)	Btu/h	16000
Max. Heating Capacity at -4°F (-20°C)	Btu/h	13000
Heating Capacity Range	Btu/h	5100 ~ 26000
HSPF2-Region IV	Btu/W.h	9.5
HSPF2-Region V	Btu/W.h	8.1
COP2 at 47°F (8.3°C)	W/W	2.8
COP2 at 5°F (-15°C)	W/W	1.8
Rated Input Consumption	W	2450
Rated Current	A	10.7

OPERATING & AMBIENT TEMPERATURE RANGE

Operating Temperature Range	°F	60.8 ~ 87.8
	°C	16 ~ 31
Ambient Temperature Range (Cooling Operation)		
Indoor Unit	°F	63°F ~ 90°F
	°C	17°C ~ 32°C
Outdoor Unit	°F	5°F ~ 127°F
	°C	-15°C ~ 53°C
Ambient Temperature Range (Heating Operation)		
Indoor Unit	°F	32°F ~ 81°F
	°C	0°C ~ 27°C
Outdoor Unit	°F	-4°F ~ 75°F
	°C	-20°C ~ 24°C

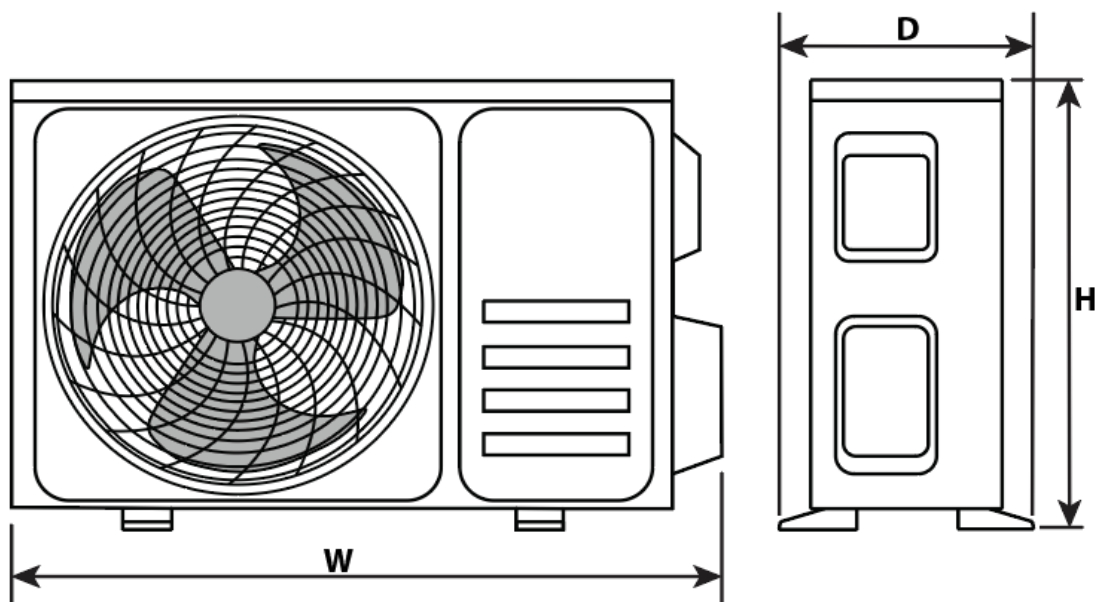
Indoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K	31.93 in (811 mm)	7.99 in (203 mm)	11.50 in (292 mm)
12K	31.93 in (811 mm)	7.80 in (198 mm)	11.50 in (292 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)

Outdoor Unit Dimensions



Capacity	W (Width)	D (Depth)	H (Height)
9K	30.98 in (787 mm)	11.42 in (290 mm)	19.61 in (498 mm)
12K	31.50 in (800 mm)	12.01 in (305 mm)	21.69 in (551 mm)
18K	33.54 in (852 mm)	13.74 in (349 mm)	23.70 in (602 mm)
24K	36.10 in (917 mm)	14.76 in (375 mm)	27.56 in (700 mm)
36K	38.50 in (978 mm)	16.57 in (421 mm)	31.61 in (803 mm)

Units: Inch (Millimeter)