



SUBMITTAL AQV24NSDN / AQV24NSDX

Job Name	Location		
Purchaser	Engineer		
Submitted to	Reference	Approval	Construction
Unit Designation	Schedule #		

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	24,000
		Heating (Btu/h)	27,000
	Capacity Range	Cooling (Btu/h)	6,600 - 27,000
		Heating (Btu/h)	6,300 - 33,00
		SEER / EER	15.0 / 8.5
		HSPF	7.8
		Condensate (pints/hour)	6.34

Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Rated Current (Low/Std./Max.)	Cooling (A)	3.0 / 12.0 / 13.8
		Heating (A)	2.8 / 13.0 / 18.0
	Max. Breaker		30 A
	Min. Circuit Ampacity		17.7 A

Dimensions	W X H X D (inches)	Indoor Unit	43 1/4 X 12 3/8 X 8 5/8
		Outdoor Unit	34 5/8 X 25 1/8 X 12 1/4
	Weight (lbs.)	Indoor Unit	28.6
		Outdoor Unit	114
	Condensate Connection		11/16" OD

Heat Exchanger	Indoor & Outdoor Unit	Type	Aluminum Fin - Copper Tube
		FPI	18
		Pipe Diameter	1/4 inch

Sound Pressure Level (dB)	Indoor Unit	low/high	30/41
	Outdoor Unit		55

Operating Temperatures	Cooling	°F	14 ≤ T ≤ 115
	Heating	°F	5 ≤ T ≤ 75

Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	5/8"
	Maximum Line Set Length		98 ft.
	Maximum Vertical Separation		49 ft.
	Oil Trap		Every 32.8' of vertical separation

Refrigerant	Type	R410A
	Control Method	Electronic Expansion Valve
	Factory Charge (oz)	51.1
	Charged for	25 ft.
	Additional Refrigerant	0.15 oz/ft over 25'

Compressor	Manufacturer	Samsung
	Type	DC, Inverter Driven, Twin Rotary
	RLA (A)	13.0

Evaporator Fan	Type	Crossflow Type (1)	
	Air Volume L/MH (CFM)	Cooling	325 / 395 / 468
		Heating	403 / 473 / 544

Condenser Fan	Motor	BLDC With Axial Type Fan (1)
	Output W	142
	FLA Amps	0.62

Accessories	Condensate pump	ASP-MO-230
	Wireless Remote Holder	DB61-00204A
	Wall Bracket (for outdoor unit)	CKN-250 (or larger)
	Line sets - insulated and flared, interconnect cables included	25' - ILS2509
		50' - ILS5009

Safety Certifications	ETL & ETLc
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Warranty	5 Years compressor, 3 Year Parts, 120 Day limited labor
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- Low ambient control built in
- Outdoor unit shall provide 208/230V power to indoor unit via 14AWG X 3 interconnect power cable
- Electro-static, washable, silver coated main filter as standard -allergy and deodorizing filters as standard
- Supplemental, replacable, anti standard

Construction

Indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket

The outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

Heat Exchanger

The heat exchanger shall be mechanically bonded fin to copper tube

Refrigerant System

The compressor shall be hermetically sealed, inverter controlled, Twin BLDC Rotary

Refrigerant flow shall be controlled by EEV (electronic expansion valve) at outdoor unit

Indoor Fan

The indoor fan shall be a single, antibacterial crossflow type

Three fan speed settings and auto setting

Controls

Control signal shall be DDC type signal

Interconnect control wiring shall be 16AWG X 2 shielded wire between outdoor and indoor units

Unit shall be operated via wireless controller (included)

Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

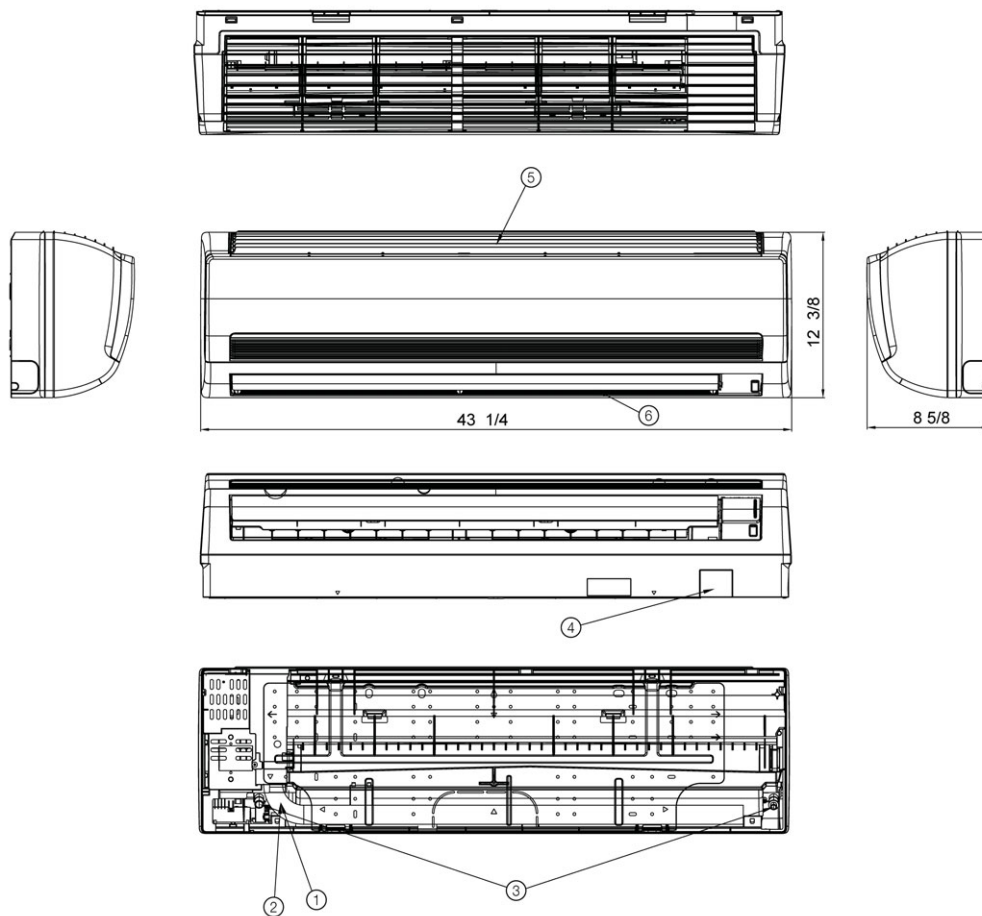
Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

Quietside maintains a policy of ongoing development, specifications are subject to change without notice. Refer to www.AHRIdirectory.org for current reference numbers.

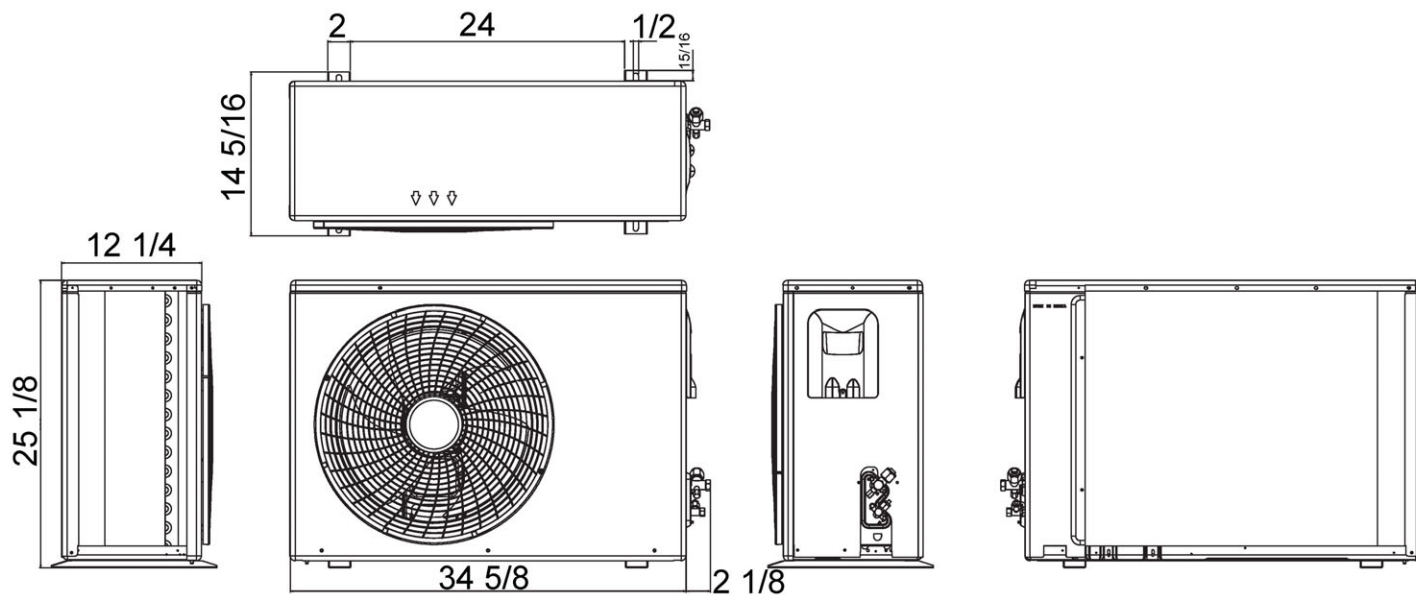




Unit: inches



No.	Name	Description
1	Liquid pipe connection	1/4" Flare
2	Gas pipe connection	5/8" Flare
3	Drain pipe connection	ID 11/16" Hose
4	Conduit for power supply & communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-



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