



SUBMITTAL AQV18NSDN / AQV18NSDX
AQV18NSD Neo Forte, wall mounted evaporator, single zone split system

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

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	20,500
	Capacity Range	Cooling (Btu/h)	6,600 - 21,000
		Heating (Btu/h)	6,300 - 28,000
	SEER / EER		16.0 / 10.45
	HSPF		8.0
Condensate (pints/hour)		5.28	

Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Rated Current (Low/Std./Max.)	Cooling (A)	3.0 / 7.5 / 9.0
		Heating (A)	2.8 / 8.2 / 12.0
	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 / 40
	Outdoor Unit		53

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

Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	1/2"
	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/M/H (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' - ILS2507 50' - ILS5007

Safety Certifications	ETL & ETLc
-----------------------	------------

Warranty	5 Years compressor, 3 Year Parts, 120 Day limited labor
----------	---



AQV18NSDN



AQV18NSDX

- 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
- Supplemental, replacable, anti-allergy and deodorizing filters as 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.

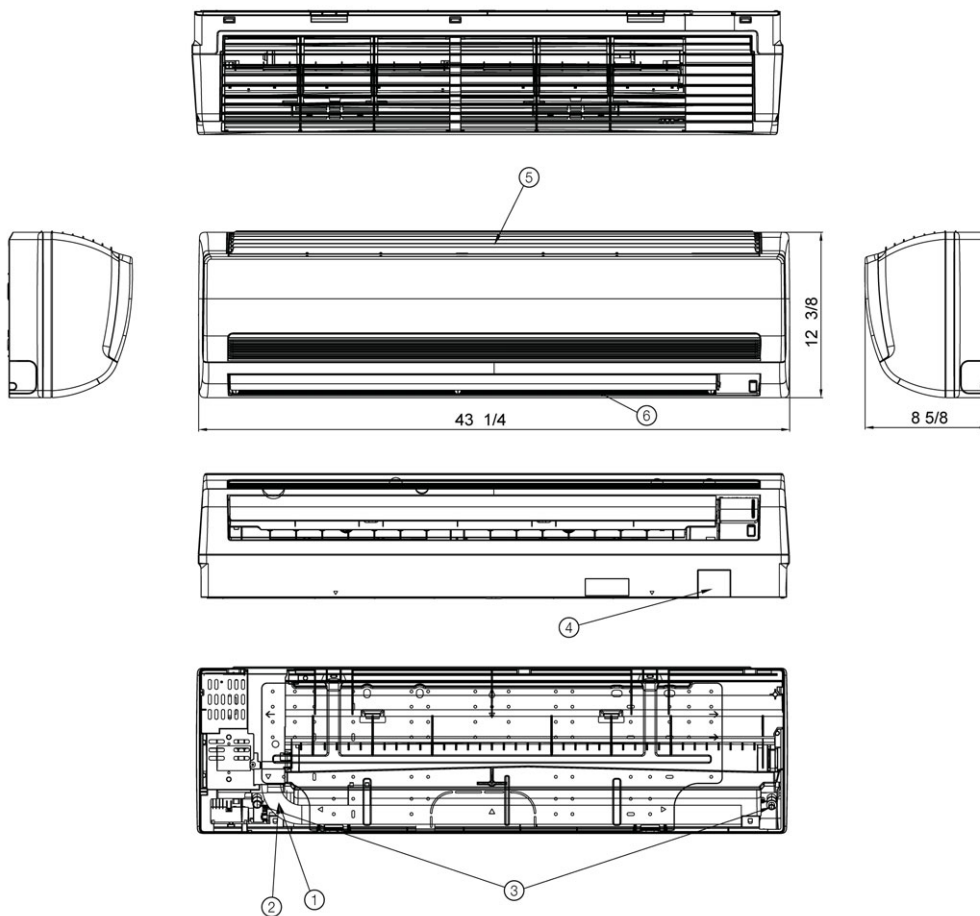
Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

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

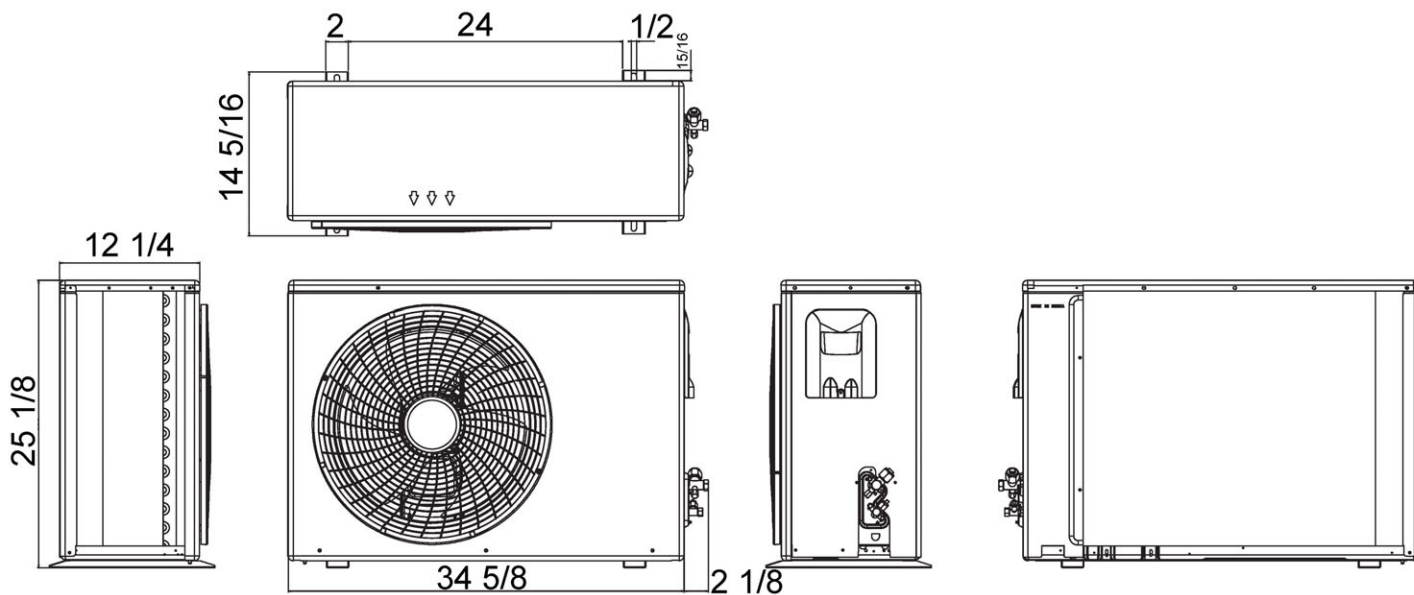




Unit: inches



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



Quietside maintains a policy of ongoing development, specifications are subject to change without notice.

888-699-6067

www.Quietside.com