



SUBMITTAL AQV24NSD High Wall 24,000 Btu/h Heat Pump

Job Name	Location
Purchaser	Engineer
Submitted to	Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction <input type="checkbox"/>
Unit Designation	Schedule #

Specifications	
General	AQV24NSD
Nom Cooling Capacity (Btu/h)	24,000
SEER	15.0
Cool Capacity Range (Btu/h)	6,500 to 27,000
Nom Heating Capacity (Btu/h)	27,000
HSPF	7.8
Heating COP	2.8
Heat Capacity Range (Btu/h)	5,800 to 33,000
Refrigerant Type	R410A
De-Hum (Pints/Hr)	14.4
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	25A
RLA Cooling/Heating (Amps)	12.0/13.0A
Controls	Wireless
Indoor Unit	AQV24NSDN
Airflow-High Speed (CFM)	530
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	30/41
Width (Inches)	43 1/4"
Height (Inches)	12 3/8"
Total Depth (Inches)	8 5/8"
Weight (lbs)	28.6
Condensate Connection Ø	11/16" OD
Outdoor Unit	AQV24NSDX
Outdoor Noise Level (Db)	55
Width (Inches)	34 5/8"
Height (Inches)	25 1/8"
Total Depth (Inches)	12 1/4"
Weight (lbs)	110
Line Sets	
Size	1/4 & 5/8"
Max Line Set Length inc	98 ft
Max Vertical Separation of	49ft
Charged with R410A for	25ft (51.1oz R410A)
Addl R410A charge required	0.15oz/ft over 25ft
Certifications	
Safety	ETL & ETLc
Performance	AHRI Certified
ARI Certification Reference #	3210134
Warranty	5 Years Compressor 3 Years Parts 120 Days ltd labor
Options	25 or 50ft Line Sets Condensate Pumps Condenser Brackets



Construction

Indoor Unit shall be made from UL94 V0 HIPS
The Outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

Heat Exchangers

The heat exchangers shall be mechanically bonded fin to copper tube. Fins shall be Silver Nano coated

Refrigerant System

Compressors shall be a hermetically sealed DC Inverter drive rotary type
Refrigerant shall be R410A.
Refrigerant flow shall be controlled by Electronic Expansion Valve

Indoor Fan

The indoor unit fan shall be statically and dynamically balanced. An auto swing louver with dual blades shall direct airflow
The outdoor unit fan shall be a propeller type

Controls

The unit shall be operated via a wireless remote
Control signal shall be a DDC type signal
Control wiring shall require 16AWG shielded wire
Unit operating range shall be
Cooling 14 DegF to 115 DegF
Heating 5 DegF to 70 DegF

Air Filtration

Dual washable Air Filters shall be treated with a Silver Nano coating
Washable Carbon and Electro Static filters shall also be provided

Due to Samsung's policy of on-going product development specifications are subject to change without notice

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