



# SUBMITTAL AQV36JA

# High Wall 36,000 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 #

<b>Specifications</b>	
<b>General</b>	
Nom Cooling Capacity (Btu/h)	33,000
SEER	18.0
Cool Capacity Range (Btu/h)	9,000 to 38,000
Nom Heating Capacity (Btu/h)	34,000
HSPF	9.0
Heating COP	3.1
Heat Capacity Range (Btu/h)	9,000 to 45,000
Refrigerant Type	R410A
De-Hum (Pints/Hr)	7.4
Power Voltage	208/230V-1Ph-60Hz
Breaker Size	35A
RLA Cooling/Heating (Amps)	13.0/14.5
Controls	Wireless
<b>Indoor Unit</b>	<b>AQV36JA</b>
Airflow-High Speed (CFM)	1230
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	53/56
Width (Inches)	50 3/8"
Height (Inches)	13 5/8"
Total Depth (Inches)	9"
Weight (lbs)	44
Condensate Connection Ø	11/16" OD
<b>Outdoor Unit</b>	<b>AQV36JAX</b>
Outdoor Noise Level (Db)	66
Width (Inches)	36 5/8"
Height (Inches)	44 5/8"
Total Depth (Inches)	14 3/4"
Weight (lbs)	227
<b>Line Sets</b>	
Size	1/4" & 5/8"
Max Line Set Length inc	162 ft
Max Vertical Separation of	98ft
Charged with R410A for	25ft
Addl R410A charge required	0.4oz/ft
<b>Certifications</b>	
Safety	UL & Ulc
Performance	ARI Certified
ARI Certification Reference #	TBA
<b>Warranty</b>	5 Years Compressor 3 Years Parts 120 Days ltd labor
<b>Options</b>	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

Quietside

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

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