



SUBMITTAL AQV18JA

High Wall 18,000 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	
Nom Cooling Capacity (Btu/h)	18,000
SEER	17.0
Cool Capacity Range (Btu/h)	5,500 to 21,000
Nom Heating Capacity (Btu/h)	20,500
HSPF	8.0
Heating COP	3.3
Heat Capacity Range (Btu/h)	5,100 to 26,000
Refrigerant Type	R410A
De-Hum (Pints/Hr)	10.2
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	20A
RLA Cooling/Heating (Amps)	7.5/8.2A
Controls	Wireless
Indoor Unit	AQV18JA
Airflow-High Speed (CFM)	480
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	33/48
Width (Inches)	42"
Height (Inches)	11 3/4"
Total Depth (Inches)	8 5/8"
Weight (lbs)	28.6
Condensate Connection Ø	11/16" OD
Outdoor Unit	AQV18JAX
Outdoor Noise Level (Db)	58
Width (Inches)	34 5/8"
Height (Inches)	25 1/8"
Total Depth (Inches)	12 1/4"
Weight (lbs)	101
Line Sets	
Size	1/4" & 1/2"
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	UL & ULc
Performance	ARI Certified
ARI Certification reference #	1362405
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

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