



# SUBMITTAL AQV18VBE 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	
<b>General</b>	
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
<b>Indoor Unit AQV18VBE</b>	
Airflow-High Speed (CFM)	460
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	30/40
Width (Inches)	42"
Height (Inches)	11 3/4"
Total Depth (Inches)	8 5/8"
Weight (lbs)	28.6
Condensate Connection Ø	11/16" OD
<b>Outdoor Unit AQV18VBEK</b>	
Outdoor Noise Level (Db)	53
Width (Inches)	34 5/8"
Height (Inches)	25 1/8"
Total Depth (Inches)	12 1/4"
Weight (lbs)	112.2
<b>Line Sets</b>	
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
<b>Certifications</b>	
Safety	ETL & ETLc
Performance	ARI Certified
ARI Certification reference #	
<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

MPI Ionizer provides Hydrogen and Oxygen Ions which destroy many viruses, allergens and molds contained in the air stream  
 Dual washable Air Filters shall be treated with a Silver Nano coating

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