



# SUBMITTAL AQV09JA

## High Wall 9,000 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)	9,000
SEER	20.0
Cool Capacity Range (Btu/h)	3,100 to 11,900
Nom Heating Capacity (Btu/h)	11,950
HSPF	10.0
Heating COP	3.7
Heat Capacity Range (Btu/h)	3,100 to 16,500
Refrigerant Type	R410A
De-Hum (Pints/Hr)	5.6
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	15A
RLA Cooling/Heating (Amps)	3.0/4.4A
Controls	Wireless
<b>Indoor Unit</b>	<b>AQV09JA</b>
Airflow-High Speed (CFM)	335
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	25/41
Width (Inches)	32 1/2"
Height (Inches)	11 1/4"
Total Depth (Inches)	7 1/2"
Weight (lbs)	18
Condensate Connection Ø	11/16" OD
<b>Outdoor Unit</b>	<b>AQV09JAX</b>
Outdoor Noise Level (Db)	51
Width (Inches)	28 3/8"
Height (Inches)	21 5/8"
Total Depth (Inches)	10 3/8"
Weight (lbs)	74
<b>Line Sets</b>	
Size	1/4" & 3/8"
Max Line Set Length inc	50 ft
Max Vertical Separation of	26ft
Charged with R410A for	50ft (31.7oz R410A)
Addl R410A charge required	No addl R410A reqd
<b>Certifications</b>	
Safety	UL & ULc
Performance	ARI Certified
ARI Certification Reference #	1362352
<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

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SAM-SBAQV09-10-07





# SUBMITTAL AQV12JA

# High Wall 12,000 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)	12,000
SEER	19.0
Cool Capacity Range (Btu/h)	3,100 to 14,300
Nom Heating Capacity (Btu/h)	13,600
HSPF	9.0
Heating COP	3.5
Heat Capacity Range (Btu/h)	3,100 to 17,500
Refrigerant Type	R410A
De-Hum (Pints/Hr)	7.6
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	15A
RLA Cooling/Heating (Amps)	4.9/5.3A
Controls	Wireless
<b>Indoor Unit</b>	<b>AQV12JA</b>
Airflow-High Speed (CFM)	340
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	25/43
Width (Inches)	32 1/2"
Height (Inches)	11 1/4"
Total Depth (Inches)	7 1/2"
Weight (lbs)	18
Condensate Connection Ø	11/16" OD
<b>Outdoor Unit</b>	<b>AQV12JAX</b>
Outdoor Noise Level (Db)	53
Width (Inches)	28 3/8"
Height (Inches)	21 5/8"
Total Depth (Inches)	10 3/8"
Weight (lbs)	74
<b>Line Sets</b>	<b>1/4" &amp; 3/8"</b>
Size	50 ft
Max Line Set Length inc	26ft
Max Vertical Separation of	50ft (31.7oz R410A)
Charged with R410A for	No addl R410A reqd
Addl R410A charge required	No addl R410A reqd
<b>Certifications</b>	
Safety	UL & ULc
Performance	ARI Certified
ARI Certification reference #	1362399
<b>Warranty</b>	<b>5 Years Compressor</b>
	<b>3 Years Parts</b>
	<b>120 Days ltd labor</b>
<b>Options</b>	<b>25 or 50ft Line Sets</b>
	<b>Condensate Pumps</b>
	<b>Condenser Brackets</b>



### 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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SAM-SBAQV12-10-07



# 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	
<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</b>	<b>AQV18JA</b>
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
<b>Outdoor Unit</b>	<b>AQV18JAX</b>
Outdoor Noise Level (Db)	58
Width (Inches)	34 5/8"
Height (Inches)	25 1/8"
Total Depth (Inches)	12 1/4"
Weight (lbs)	101
<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	UL & Ulc
Performance	ARI Certified
ARI Certification reference #	1362405
<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

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SAM-SBAQV18-10-07



# SUBMITTAL AQV24JA

# 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	
<b>General</b>	
Nom Cooling Capacity (Btu/h)	24,000
SEER	15.5
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
<b>Indoor Unit</b>	<b>AQV24JA</b>
Airflow-High Speed (CFM)	485
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
<b>Outdoor Unit</b>	<b>AQV24JAX</b>
Outdoor Noise Level (Db)	60
Width (Inches)	34 5/8"
Height (Inches)	25 1/8"
Total Depth (Inches)	12 1/4"
Weight (lbs)	110
<b>Line Sets</b>	
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
<b>Certifications</b>	1362407
Safety	UL & ULc
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

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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SAM-SBAQV24-1-08



# 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 #

Specifications	
<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

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