



SUBMITTAL AQV12VBCN

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	
General	
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)	3.0
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	15A
RLA Cooling/Heating (Amps)	4.9/5.3A
Controls	Wireless
Indoor Unit	AQV12VBCN
Airflow-High Speed (CFM)	320
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	21/35
Width (Inches)	32 1/2"
Height (Inches)	11 1/4"
Total Depth (Inches)	7 7/16"
Weight (lbs)	20
Condensate Connection Ø	11/16" OD
Outdoor Unit	AQV12VBCX
Outdoor Noise Level (Db)	45
Width (Inches)	31 1/8"
Height (Inches)	21 5/8"
Total Depth (Inches)	11 1/4"
Weight (lbs)	72
Line Sets	
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
Certifications	
Safety	UL & ULc
Performance	ARI Certified
ARI Certification reference #	1362399
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

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