



# SUBMITTAL QSHD 181

2 x 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	15.6
Cooling Capacity Range (Btu/h)	3,500 - 11,500
Nom Heating Capacity (Btu/h)	11,000
HSPF	8.1
Heating Capacity Range (Btu/h)	4,750 - 12,000
Refrigerant Type	R410A
Power Voltage	208-230V-1Ph-60Hz
Breaker Size	20A
RLA Cooling/Heating (Amps)	10.5/9.8A
Controls	Wireless
<b>Indoor Unit</b>	
<b>QSIHD-091</b>	
Airflow-High Speed (CFM)	350/300/200
Fan Speeds	High-Med-Low
Noise Level High (Db)	42
Width (Inches)	31 1/8"
Height (Inches)	10 7/8"
Total Depth (Inches)	8 1/4"
Weight (lbs)	26lbs
Condensate Connection Ø	5/8" OD
<b>Outdoor Unit</b>	
<b>QSOHD-181</b>	
Outdoor Noise Level (Db)	57
Width (Inches)	36 1/2"
Height (Inches)	27 5/8"
Total Depth (Inches)	14 1/4"
Weight (lbs)	154lbs
<b>Line Sets</b>	
Size	1/4" & 3/8"
Max Line Set Length inc	50 ft
Max Vertical Separation of	20ft
Charged with R410A for	25ft
Addl R410A charge required	0.3oz/ft
<b>Certifications</b>	
Safety	ETL & ETLc
Performance	TBA
ARI Certification Reference #	TBA
<b>Warranty</b>	
	5 Years Compressor
	1 Year Parts
	90 Days ltd labor
<b>Options</b>	
	25 or 50ft Line Sets
	Condensate Pumps
	Low Ambient



### Construction

Indoor Units 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 have a hydrophilic coating

### Refrigerant System

Single Compressor shall be a hermetically sealed DC Inverter drive rotary type  
Refrigerant shall be R410A.  
Refrigerant flow shall be controlled by Electronic Expansion Valves, one per Indoor unit

### Indoor Fan

The indoor units 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  
Defrost is initiated by demand, not time  
If one Indoor unit is operating in Heating mode, the other Indoor unit cannot operate in Cooling mode  
Unit operating range shall be  
Cooling 32 DegF to 115 DegF  
Heating 14 DegF to 70 DegF

### Air Filtration

Dual washable Air Filters shall be accessed via the hinged front panel

Quietside

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

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