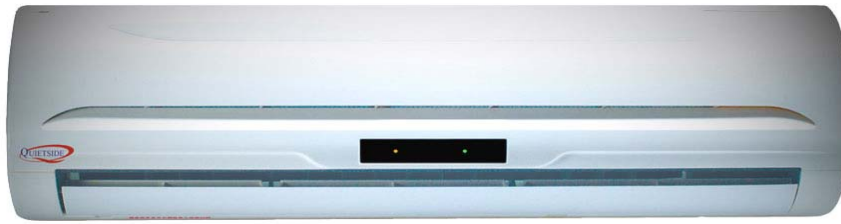




QSHE-091, QSHE-121, QSHE-181, QSHE-241 HIGH WALL HEAT PUMP DUCTLESS MINI SPLITS



Construction

Indoor Unit shall be constructed from Anti Bacterial HIPS, certified to UL94 V0. Closed cell foam shall be used for insulation. The Outdoor unit shall be constructed from galvanized steel with a baked on powder coated finish for durability

Heat Exchangers

The heat exchangers shall be manufactured using diamond cut aluminum fin mechanically bonded to copper tubes. All heat exchanger fins shall be coated with an hydrophilic and corrosion resistant finish

Refrigerant Control

Refrigerant Control shall be by a capillary tubes located in the Outdoor unit, refrigerant shall be environmentally friendly R410A. Compressors shall be a hermetically sealed rotary type with external Overload protection and suction accumulator. The reversing valve shall have a line voltage coil and be energized for heating operation

Condensate Removal from Indoor Unit

Shall be accomplished via the standard 18" length Drain hose, can connect to 5/8" ID or 3/4" OD PVC tubing

Fans

The indoor unit fan shall be molded from HIPS, statically and dynamically balanced for quiet operation. Multiple fan speeds shall allow the user to select the required airflow. An auto swing louver can be used to either oscillate or be stopped in a user selected position. The condenser fan shall be a propeller type with a single or dual speed motor

Controls

Control shall be operated via a hand held wireless remote control with a range of 20ft

Unit shall be able to operate in the following modes : Auto, where a default set point of 74 DegF (user adjustable by +/- 2 DegF). In Auto mode the Indoor unit shall determine the optimum fan speed.

Cool mode shall feature user selected room temperature and fan speed

Dry mode shall be akin to the cooling mode, except the Indoor fan speed shall be factory preset

Heat mode shall feature user selected room temperature and fan speed

Fan mode shall just feature operation of the Indoor fan at a user selected speed

The unit shall feature a real time timer feature allowing a single on or off operation to be programmed for a specific time. A sleep feature shall reduce indoor airflow for quieter nighttime operation

Room temperature shall be sensed by a thermistor mounted on the Indoor unit coil, directly in the return air flow stream. Indoor coil temperature shall be monitored to prevent the Indoor coil from freezing up due to lack of airflow or a refrigerant loss

All units shall feature Auto restart in the event of a power failure.

Control voltage is line voltage 115V or 208/230V depending upon unit power supply

Defrost initiation and termination shall be controlled by a coil temperature sensor located in the Outdoor unit and wired directly to the Indoor unit

QUI-SBQSHE-001



Air Filtration

Air Filtration shall be via 2 washable filters accessed by opening the unit front cover - Filters should be cleaned monthly

Warranty

Standard Warranty shall be 1 year Parts and 5 year compressor, 90 Days limited labor

Options

These options shall be available

Low Ambient - For cooling below 65 DegF

Line Sets - Pre Insulated c/w Interconnect

Wire, available in 25ft and 50ft lengths

Interconnect Wire - Spools of 14 AWG Wire

Specifications	QSHE-091	QSHE-121	QSHE-181	QSHE-241
Nom Cool/Heat Btu/h	9,000/9,000	12,000/12,000	18,000/19,000	22,000/24,000
SEER	13	13	13	13
HSPF	7.7	7.7	7.7	7.7
Voltage	115V-1Ph-60Hz	115V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Breaker Size (A)	15A	15A	20A	25A
RLA (A)	6.9A	9.0A	5.5A	8.6A
Indoor Unit				
	QSHE-091	QSHE-121	QSHE-181	QSHE-241
Airflow Hi Speed (CFM)	360	400	610	765
Noise Level (Db)	42	45	45	48
Width (Inches)	30 7/8"	35 1/4"	42 1/8"	48 7/8"
Depth (Inches)	6 7/8"	6 7/8"	8 7/8"	8 7/8"
Height (Inches)	11"	11"	12 3/4"	12 3/4"
Unit Weight (lbs)	9lbs	14lbs	18lbs	20lbs
Outdoor Unit				
	QSHC-091	QSHC-121	QSHC-181	QSHC-241
Noise Level (Db)	55	55	60	62
Width (Inches)	31 3/8"	33 1/2"	34 1/4"	34 1/4"
Depth (Inches)	8 7/8"	8 7/8"	11 3/8"	11 3/8"
Height (Inches)	21 3/8"	24"	33 1/2"	33 1/2"
Unit Weight (lbs)	31lbs	48lbs	62lbs	65lbs
Line Sets				
Ref Pipe Sizes (Inches)	1/4" & 1/2"	1/4" & 1/2"	3/8" & 5/8"	3/8" & 5/8"
Maximum Length (ft)	50ft	50ft	50ft	50ft
Max Vertical Sep (ft)	20ft	20ft	20ft	20ft
Factory Charge for (ft)	25ft	25ft	25ft	25ft
Addl Charge (oz/ft)	0.3oz/ft	0.3oz/ft	0.5oz/ft	0.5oz/ft

Controls				
Control Method	Wireless Remote control acting with a temperature sensor mounted on the Indoor Unit			
Control Voltage	115V	115V	208/230V	208-230V

Certification				
Safety	UL & ULc			
Performance	All performance shown is at ARI 210/240 conditions			

Due to QuietSide's policy of on-going product development specifications are subject to change without notice, please contact QuietSide or your local QuietSide distributor to obtain the latest specifications

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