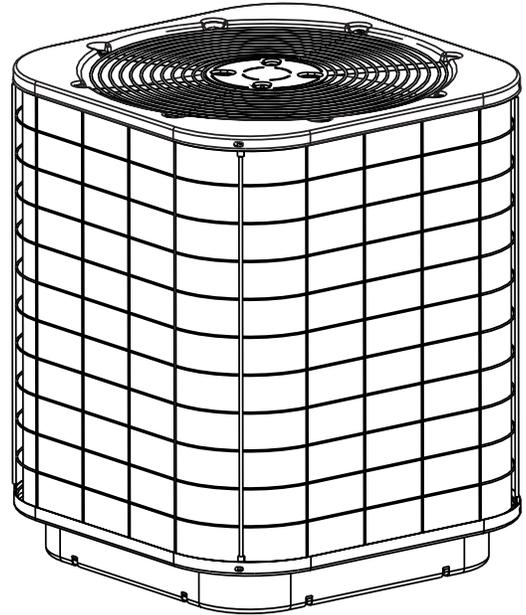

TECHNICAL SPECIFICATIONS

S5QD Series High Efficiency Air Conditioner 13 SEER Manufactured Structure System 1.5 - 5 Ton Capacity

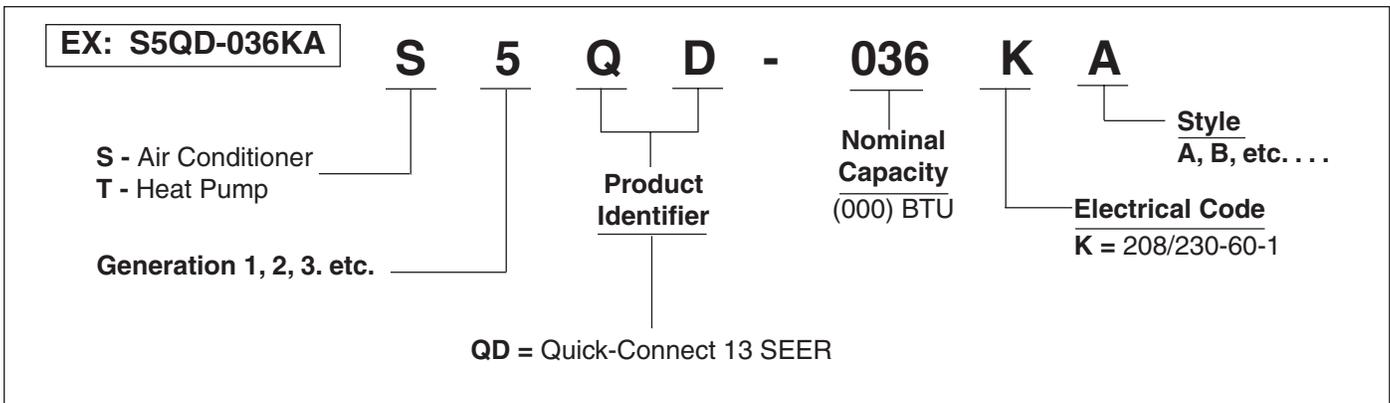
The S5QD Series of air conditioners offers exceptional performance. The unit, when combined with our engineered matched indoor coils, offer a full line of quality, split-system air conditioners. Units are ideally sized for manufactured housing applications.



FEATURES and BENEFITS

- **Designed using galvanized steel** – with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation.
- **Plastic Coated Coil Guard** – A wire guard that will never rust and protects the units coil from being damaged by balls, lawnmowers, etc.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **Hail Guard** – Plastic mesh protects coil from hail damage.
- **2-1/2" Pedestal Base** – The sturdy base keeps the bottom of the coil out of harms way. Secondly, the base has weep holes along the edge to allow the water from rain to flow away from the unit.
- **Easy Compressor and Control Access** – Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **1 Year Limited All Parts Warranty** – The best in the industry and has proven to be a major benefit to the consumer.

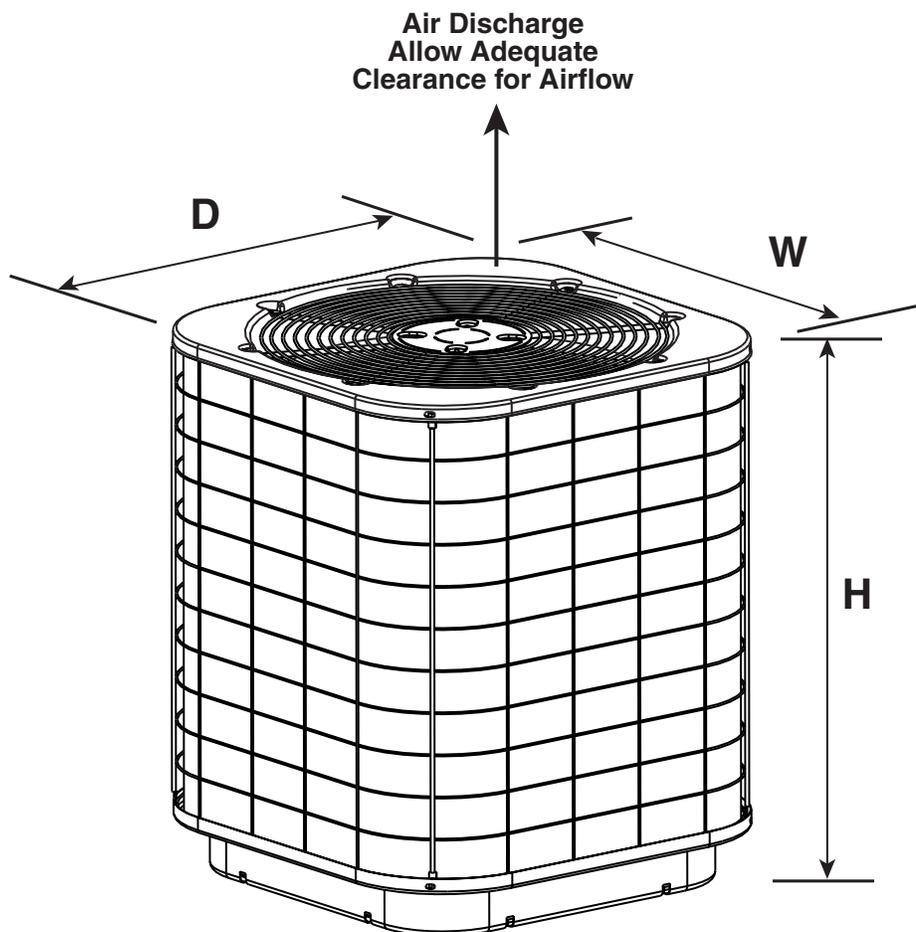
MODEL IDENTIFICATION CODES



DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

S5QD	018K	024K	030K	036K	042K	048K	060K
H	30-1/2	34-1/2	34-1/2	38-1/2	42-1/2	42-1/2	42-1/2
W	22-1/2	22-1/2	30-1/2	30-1/2	30-1/2	30-1/2	30-1/2
D	22-1/2	22-1/2	30-1/2	30-1/2	30-1/2	30-1/2	30-1/2



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13 SEER — High Efficiency — Single Phase

Model Number S5QD		018K	024K	030K	036K	042K	048K	060K	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	
	Total Amps	8.9	9.3	11.8	14.4	17.8	22.9	29.6	
	Delay Fuse Max. (2)	15	20	25	30	35	45	60	
	Min. Circuit Ampacity	11.1	11.4	14.5	17.8	21.9	28.3	36.7	
Component Data	Coil	Area	11.49	13.22	20.33	22.88	25.42	25.42	25.42
		Rows-FPI	1 - 22	1 - 22	1 - 22	1 - 22	1 - 22	1 - 22	2 - 18
		Tube Dia	3/8" O.D.	3/8" O.D.					
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	0.67	1.00	1.00	1.40	1.40	1.40
		HP	1/20	1/10	1/4	1/4	1/4	1/4	1/4
	Fan Blade	Dia-# Blades	18" - 3	18" - 3	24" - 3	24" - 3	24" - 3	24" - 3	24" - 3
		SCFM	1410	1985	3000	3000	4000	4000	4000
	Compressor Data	RLA	9	8.6	10.8	13.4	16	22	28
		LRA	40	40	60	73	77	97	141
Refrigerant suction line- Length/O.D. (Liq. Line All Lengths - 3/8" O.D.)	0-24 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	
	40-75 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	1-1/8" (4)	1-1/8" (4)	
Refrigerant charge in Ounces (Outdoor unit, Indoor Unit 15' Line Set)		80	104	134	138	170	147	232	
Weight Approximate (lbs.)	Net	143	162	171	181	219	219	276	
	Ship	150	170	180	190	230	230	290	

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 7/8" to 1-1/8" reducer from line to unit.

SYSTEM HEATING & COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	Cooling Capacity (Btu/h)	EER	SEER	CFM
S5QD-018K	C5(Q,D,B)A-T25U-B+TDR	18000	12.1	13	600
S5QD-024K	C5(Q,D,B)A-T25U-B+TDR	24000	11.9	13	750
S5QD-030K	C5(Q,D,B)A-T30U-B+TDR	29400	12.0	13	1000
S5QD-036K	C5(Q,D,B)A-T36U-B+TDR	35000	11.8	13	1100
S5QD-042K	C5(Q,D,B)A-T43U-B+TDR	40000	12.1	13	1400
S5QD-048K	C5(Q,D,B)A-T48U-B+TDR	47000	11.6	13	1400
S5QD-060K	C5B(A,H)-T60(C,U)-C+TDR	58000	11.6	13	1650

See Current ARI Directory for certified combinations and ratings.

ACCESSORIES - Condensing Unit

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

Fan Delay Kit

911758 - 80-second fan delay

COPPER WIRE SIZE — AWG (1% Voltage Drop)				
Supply Wire Length-Feet				Supply Circuit
200	150	100	50	Ampacity
6	8	10	14	15
4	6	8	12	20
4	6	8	10	25
4	4	6	10	30
3	4	6	8	35
3	4	6	8	40
2	3	4	6	45
2	3	4	6	50

Wire Size based on N.E.C. for 60° type copper conductors.



CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI