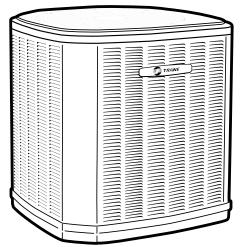
Submittal

Split System Heat Pump

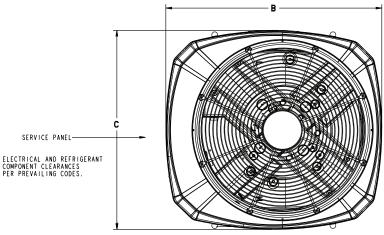
5A6H4060A1000A



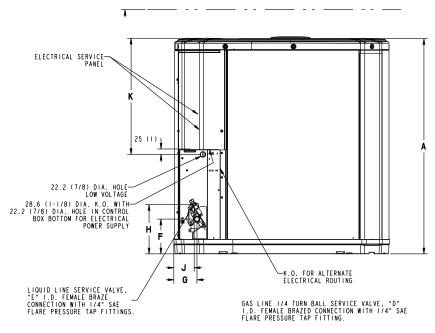
Note: "Graphics in this document are for representation only. Actual model may differ in appearance."

American Standard HEATING & AIR CONDITIONING

Outline Drawing



TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR AT LEAST 1524 (5 FEET) ABOVE UNIT. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT. AND SHOULD BE AT LEAST 305 (12") FROM WALL AND ALL SURROUNDING SHUBBERTY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED.



Model	Base	Α	В	С	D	E	F	G	Н	J	К
5A6H4060A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	5/16	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	813 (32)

Sound Power Level										
MODEL	A-Weighted Sound	Full Octave Sound Power(dB)								
MODEL	Power Level [dB(A)]	63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
5A6H4060A	72	77	75	72	70	67	62	59	52	
Note: Rated in accordance with AHRI Standard 270–2008 *For Reference Only										

2 5A6H4060A-SUB-1A-EN



Product Specifications

OUTDOOR UNIT (□) (□) SA6H4060A1000A POWER CONNS V/PH/HZ (□) 208/230/1/60 MIN. BRCH. CIR. AMPACITY 33 BR. CIR. PROT. RTG MAX. (AMPS) 50 COMPRESSOR DURATION ⊕ - SCROLL NO. USED - NO. STAGES 1 - 1 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (□) - L.R. AMPS 22.3 - 136.6 FACTORY INSTALLED NO (Uses BAYKSKT263) INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.5 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (□) 4992 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT EXPANSION VALVE LINE SIZE - IN. O.D. GAS (□) (□) 7/8		1			
MIN. BRCH. CIR. AMPACITY BR. CIR. PROT. RTG MAX. (AMPS) COMPRESSOR NO. USED - NO. STAGES 1 - 1 VOLTS/PH/HZ R.L. AMPS (d) - L.R. AMPS 22.3 - 136.6 FACTORY INSTALLED START COMPONENTS (e) INSULATION/SOUND BLANKET COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.5 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) MOTORS - HP MOTOR SPEED R.P.M. 850 OUTDOOR COIL - TYPE ROWS - F.P.I. FACE AREA (SQ. FT.) TUBE SIZE (IN.) REFRIGERANT LBS R-454B (O.D. UNIT) (g) ELMESIZE - IN. O.D. GAS (h) (l) CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) VOLTS/PH CLISS.) 30.1 WEIGHT SHIPPING (LBS.) 30.1	OUTDOOR UNIT (a) (b)	5A6H4060A1000A			
BR. CIR. PROT. RTG MAX. (AMPS) COMPRESSOR DURATION ® - SCROLL NO. USED - NO. STAGES 1 - 1 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (d) - L.R. AMPS 22.3 - 136.6 FACTORY INSTALLED START COMPONENTS (e) INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.5 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) MOTOR SPEED R.P.M. VOLTS/PH/HZ LI. AMPS 2.80 OUTDOOR COIL - TYPE ROWS - F.P.I. FACE AREA (SQ. FT.) TUBE SIZE (IN.) REFRIGERANT LBS R-454B (O.D. UNIT) (g) ELNE SIZE - IN. O.D. GAS (h) (f) CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) SOLUTION (LBS.) WEIGHT SHIPPING (LBS.) 301	POWER CONNS. – V/PH/HZ (c)	208/230/1/60			
COMPRESSOR DURATION ® - SCROLL NO. USED - NO. STAGES 1 - 1 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (d) - L.R. AMPS 22.3 - 136.6 FACTORY INSTALLED NO (Uses BAYKSKT263) INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.5 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 4992 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 E.L. AMPS 2.80 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT EXPANSION VALVE REFRIGERANT EXPANSION VALVE REFRIGERANT YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F	MIN. BRCH. CIR. AMPACITY	33			
NO. USED – NO. STAGES NO. USED – NO. STAGES R.L. AMPS (d) – L.R. AMPS RETART COMPONENTS (e) NO (USES BAYKSKT263) INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) – NO. USED TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM (d) 0.0 IN. W.G. (f) MOTOR SPEED R.P.M. VOLTS/PH/HZ ROWS – R.P.I. FACE AREA (SQ. FT.) TUBE SIZE (IN.) REFRIGERANT LBS. – R-454B (O.D. UNIT) (g) REFRIGERANT LINE SIZE – IN. O.D. GAS (h) (f) CHARGING SPECIFICATIONS SUBCOOLING DIMENSION (LBS.) NO (USES BAYKSKT263) NO (USES BAYKSKTES) NO (USES BAYKSTES) NO (USES BAYKSTES) NO (USES APYKES) NO (USES BAYKSTES) NO (USES BAYKSTES) NO (USES CENTACE NO (USES APYKES) NO (USE	BR. CIR. PROT. RTG. – MAX. (AMPS)	50			
VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (d) – L.R. AMPS 22.3 - 136.6 FACTORY INSTALLED NO (Uses BAYKSKT263) INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) – NO. USED 27.5 - 1 TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM @ 0.0 IN. W.G. (f) 4992 NO. MOTORS – HP 1 - 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT EXPANSION VALVE REFRIGERANT EXPANSION VALVE REFRIGERANT YES LINE SIZE – IN. O.D. GAS (h) (i) 7/8 LINE SIZE – IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 x 35 x 37.9 WEIGHT	COMPRESSOR	DURATION ® - SCROLL			
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INSULATION/SOUND BLANKET COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.5 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL - TYPE ROWS - F.P.I. FACE AREA (SQ. FT.) TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL REFRIGERANT LBS R-454B (O.D. UNIT) (9) ELINE SIZE - IN. O.D. GAS (h) (i) CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	FACTORY INSTALLED				
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TYPE DRIVE - NO. SPEEDS CFM @ 0.0 IN. W.G. (f) NO. MOTORS - HP NO. MOTOR SPEED R.P.M. MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL - TYPE ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT LBS R-454B (O.D. UNIT) (g) 8 LBS., 6 OZ FACTORY SUPPLIED LINE SIZE - IN. O.D. LIQ. CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) SO.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	OUTDOOR FAN	PROPELLER			
CFM @ 0.0 IN. W.G. (f) 4992 NO. MOTORS – HP 1 − 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 2 − 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT EXPANSION VALVE REFRIGERANT YES LINE S. – R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE – IN. O.D. GAS (h) (i) 7/8 LINE SIZE – IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	DIA. (IN.) - NO. USED	27.5 - 1			
NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT EXPANSION VALVE REFRIGERANT YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	TYPE DRIVE - NO. SPEEDS	DIRECT - 1			
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VOLTS/PH/HZ 200/230/1/60 F.L. AMPS 2.80 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT EXPANSION VALVE LIBS R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	NO. MOTORS - HP	1 - 1/3			
F.L. AMPS OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. FACE AREA (SQ. FT.) TUBE SIZE (IN.) REFRIGERANT CONTROL REFRIGERANT LBS R-454B (O.D. UNIT) (9) B LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) T/8 LINE SIZE - IN. O.D. LIQ. CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) SOLS X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	MOTOR SPEED R.P.M.	850			
OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT EXPANSION VALVE LBS R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	VOLTS/PH/HZ	200/230/1/60			
ROWS - F.P.I. 2 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT CONTROL EXPANSION VALVE REFRIGERANT LBS R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	F.L. AMPS	2.80			
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TUBE SIZE (IN.) REFRIGERANT CONTROL REFRIGERANT LBS R-454B (O.D. UNIT) (9) FACTORY SUPPLIED LINE SIZE - IN. O.D. GAS (h) (i) CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS CRATED (IN.) SOLUTION SOLU	ROWS - F.P.I.	2 - 24			
REFRIGERANT LBS R-454B (O.D. UNIT) (9) FACTORY SUPPLIED LINE SIZE - IN. O.D. GAS (h) (i) CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS CRATED (IN.) SHIPPING (LBS.) EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE 8 LBS., 6 OZ 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) S0.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	FACE AREA (SQ. FT.)	30.8			
REFRIGERANT LBS R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS 10°F SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	TUBE SIZE (IN.)	3/8			
LBS R-454B (O.D. UNIT) (9) 8 LBS., 6 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	REFRIGERANT CONTROL	EXPANSION VALVE			
FACTORY SUPPLIED LINE SIZE - IN. O.D. GAS (h) (i) CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS CRATED (IN.) SUBCOOLING TOP TOP TOP TOP TOP TOP TOP TO	REFRIGERANT				
LINE SIZE – IN. O.D. GAS (h) (i) 7/8 LINE SIZE – IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	LBS. – R-454B (O.D. UNIT) (9)	8 LBS., 6 OZ			
LINE SIZE - IN. O.D. LIQ. 5/16 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	FACTORY SUPPLIED	YES			
CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	LINE SIZE - IN. O.D. GAS (h) (i)	7/8			
SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	LINE SIZE - IN. O.D. LIQ.	5/16			
DIMENSIONS H X W X D CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.)	CHARGING SPECIFICATIONS				
CRATED (IN.) 50.5 X 35 X 37.9 WEIGHT SHIPPING (LBS.) 301	SUBCOOLING	10°F			
WEIGHT SHIPPING (LBS.) 301	DIMENSIONS	HXWXD			
SHIPPING (LBS.) 301	CRATED (IN.)	50.5 X 35 X 37.9			
	WEIGHT				
NET (LBS.) 251	SHIPPING (LBS.)	301			
	NET (LBS.)	251			

- (a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
- (b) Rated in accordance with AHRI standard 270.
- (c) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- (d) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.
- (e) No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
- (f) Standard Air Dry Coil Outdoor
- $\ensuremath{^{(g)}}$ This value approximate. For more precise value see unit nameplate.
- (h) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or refrigerant piping application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
- (i) The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

5A6H4060A-SUB-1A-EN



Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 60335-2-40. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches. A factory supplied, field installed liquid line drier is standard.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats – Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

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About American Standard Heating and Air Conditioning

American Standard has been creating comfortable and affordable living environments for more than a century. For more information, please visit www.americanstandardair.com.





The AHRI Certified mark indicates company participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory.org.

The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.