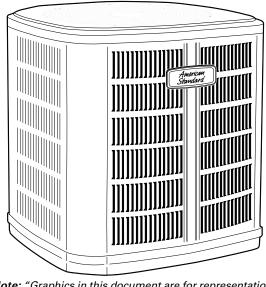
American Standard. HEATING & AIR CONDITIONING

Submittal

Split System Cooling

4A7A6048N1000A



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

4A7A6048N-SUB-1A-EN



В С SERVICE PANEL-ELECTRICAL AND REFRIGERANT COMPONENT CLEARANCES PER PREVAILING CODES. 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 SHRUBBERY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED. Т 0 0 ELECTRICAL SERVICE-PANEL Κ 25 (1) Α . 9 22.2 (7/8) DIA. HOLE-LOW VOLTAGE 28.6 (1-1/8) DIA. K.O. WITH-22.2 (7/8) DIA. HOLE IN CONTROL BOX BOTTOM FOR ELECTRICAL POWER SUPPLY Ĥ Ė ľ + J -K.O. FOR ALTERNATE ELECTRICAL ROUTING G LIQUID LINE SERVICE VALVE, "E" I.D. FEMALE BRAZE __ CONNECTION WITH I/4" SAE FLARE PRESSURE TAP FITTINGS. -GAS LINE I/4 TURN BALL SERVICE VALVE, "D" I.D. FEMALE BRAZED CONNECTION WITH I/4" SAE FLARE PRESSURE TAP FITTING.

Model	Base	Α	В	С	D	Е	F	G	н	J	К
4A7A6048N	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	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		
4A7A6048N	73	70	67	68	66	63	56	53	49		
Note: Rated in accordance with AHRI Standard 270–2008 *For Reference Only											



HEATING & AIR CONDITIONING

Product Specifications

R.L. AMPS (d) – L.R. AMPS 20.4 – 122 FACTORY INSTALLED NO START COMPONENTS (e) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) – NO. USED 27.6 – 1 TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS – HP 1 – 1/3 MOTOR SPEED R.P.M. 200–1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COLL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS. – R-410A (O.D. UNIT) (a) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE – IN. O.D. GAS (h) 7/8 LINE SIZE – IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS A	OUTDOOR UNIT (a) (b)	4A7A6048N1000A				
BR. CIR. PROT. RTG MAX. (AMPS) 45 COMPRESSOR DURATION™ - SCROLL NO. USED - NO. STAGES 1 - 2 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (d) - L.R. AMPS 20.4 - 122 FACTORY INSTALLED NO START COMPONENTS (e) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) - NO. USED 27.6 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 200-1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O.D. UNIT) (g) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) 7/8 UITE SIZE - IN. O.D. LIQ.	POWER CONNS. – V/PH/HZ (c)	208/230/1/60				
COMPRESSOR DURATION™ - SCROLL NO. USED - NO. STAGES 1 - 2 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (d) - L.R. AMPS 20.4 - 122 FACTORY INSTALLED NO START COMPONENTS (e) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO DIA. (IN.) - NO. USED 27.6 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 200-1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O. D. UNIT) (9) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING SUBCOOLING 10°F DIMENSIONS H X	MIN. BRCH. CIR. AMPACITY	28				
NO. USED - NO. STAGES 1 - 2 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (∅) - L.R. AMPS 20.4 - 122 FACTORY INSTALLED NO START COMPONENTS (∅) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO DIA. (IN.) - NO. USED 27.6 - 1 TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (¹) 4400 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 200-1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O.D. UNIT) (𝔅) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (ʰ) 7/8 LINE SIZE - IN. O.D. CAS (ʰ) 3/8 CHARGING SPECIFICATIONS SUBCOOLING SUBCOOLING 10°F DIMENSIONS H	BR. CIR. PROT. RTG. – MAX. (AMPS)	45				
VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (a) – L.R. AMPS 20.4 – 122 FACTORY INSTALLED NO START COMPONENTS (a) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) – NO. USED 27.6 – 1 TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS – HP 1 – 1/3 MOTOR SPEED R.P.M. 200–1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS. – R-410A (O.D. UNIT) (a) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE – IN. O.D. GAS (h) 7/8 LINE SIZE – IN. O.D. LIQ. (h) 3/8 SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 <td>COMPRESSOR</td> <td>DURATION™ - SCROLL</td>	COMPRESSOR	DURATION™ - SCROLL				
R.L. AMPS (d) – L.R. AMPS 20.4 – 122 FACTORY INSTALLED NO START COMPONENTS (e) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO OUTDOOR FAN PROPELLER DIA. (IN.) – NO. USED 27.6 – 1 TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS – HP 1 – 1/3 MOTOR SPEED R.P.M. 200–1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS. – R-410A (O.D. UNIT) (g) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE – IN. O.D. GAS (h) 7/8 LINE SIZE – IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING SUBCOOLING 10 °F DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT 296	NO. USED – NO. STAGES	1 – 2				
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TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 4400 NO. MOTORS - HP 1 - 1/3 MOTOR SPEED R.P.M. 200-1200 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 2.8 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O.D. UNIT) (g) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) 7/8 LINE SIZE - IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT 296	OUTDOOR FAN	PROPELLER				
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F.L. AMPS 2.8 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O.D. UNIT) (9) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) 7/8 LINE SIZE - IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT 296	MOTOR SPEED R.P.M.	200-1200				
OUTDOOR COIL - TYPESPINE FIN™ROWS - F.P.I.1 - 24FACE AREA (SQ. FT.)30.79TUBE SIZE (IN.)3/8REFRIGERANTR-410ALBS R-410A (O.D. UNIT) (9)13 LBS., 3 OZFACTORY SUPPLIEDYESLINE SIZE - IN. O.D. GAS (h)7/8LINE SIZE - IN. O.D. LIQ. (h)3/8CHARGING SPECIFICATIONS10°FSUBCOOLING10°FDIMENSIONSH X W X DCRATED (IN.)51 X 35.1 X 38.7WEIGHT296	VOLTS/PH/HZ	208/230/1/60				
ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.79 TUBE SIZE (IN.) 3/8 REFRIGERANT R-410A LBS R-410A (O.D. UNIT) (9) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS (h) 7/8 LINE SIZE - IN. O.D. LIQ. (h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT 296	F.L. AMPS	2.8				
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TUBE SIZE (IN.)3/8REFRIGERANTR-410ALBS R-410A (O.D. UNIT) (9)13 LBS., 3 OZFACTORY SUPPLIEDYESLINE SIZE - IN. O.D. GAS (h)7/8LINE SIZE - IN. O.D. LIQ. (h)3/8CHARGING SPECIFICATIONS10°FSUBCOOLING10°FDIMENSIONSH X W X DCRATED (IN.)51 X 35.1 X 38.7WEIGHT296	ROWS – F.P.I.	1 – 24				
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LBS. – R-410A (O.D. UNIT) ^(g) 13 LBS., 3 OZ FACTORY SUPPLIED YES LINE SIZE – IN. O.D. GAS ^(h) 7/8 LINE SIZE – IN. O.D. LIQ. ^(h) 3/8 CHARGING SPECIFICATIONS SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT SHIPPING (LBS.) 296	TUBE SIZE (IN.)	3/8				
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SUBCOOLING 10°F DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT SHIPPING (LBS.) 296	LINE SIZE – IN. O.D. LIQ. ^(h)	3/8				
DIMENSIONS H X W X D CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT 296	CHARGING SPECIFICATIONS					
CRATED (IN.) 51 X 35.1 X 38.7 WEIGHT	SUBCOOLING	10°F				
WEIGHT SHIPPING (LBS.) 296	DIMENSIONS	HXWXD				
SHIPPING (LBS.) 296	CRATED (IN.)	51 X 35.1 X 38.7				
	WEIGHT					
NET (LBS.) 259	SHIPPING (LBS.)	296				
	NET (LBS.)	259				

- (a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240. In order to achieve AHRI standard rating, the indoor fan time delay on the comfort control must be enabled.
- ^(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.
- (f) Standard Air Dry Coil Outdoor
- ^(g) This value approximate. For more precise value see unit nameplate. (h) Max. linear length 60 ft.; Max. lift - Suction 25 ft.; Max lift - Liquid 25 ft. For greater length consult refrigerant piping software Pub. No. 32-
- 3312-0* (* denotes latest revision).



HEATING & AIR CONDITIONING

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 1995. 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.

American Standard. HEATING & AIR CONDITIONING

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.

4A7A6048N-SUB-1A-EN 05 Aug 2022 Supersedes (New)