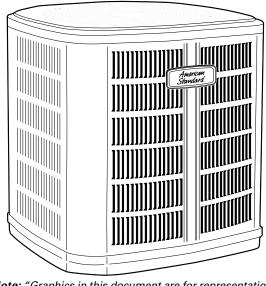
American Standard. HEATING & AIR CONDITIONING

Submittal

Split System Cooling

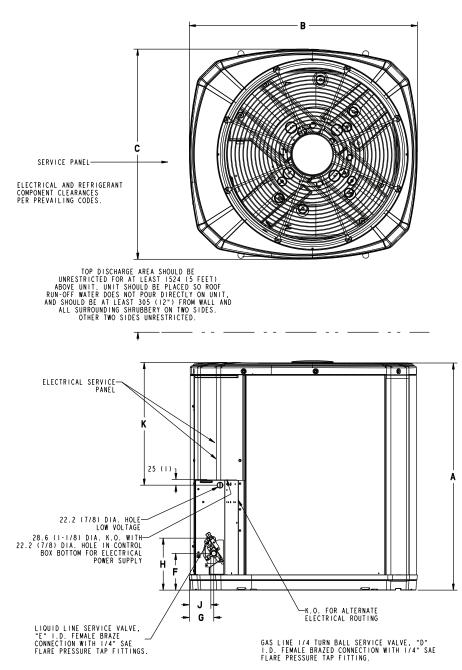
4A7A5048N1000A



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

4A7A5048N-SUB-1A-EN





Model	Base	Α	В	С	D	Е	F	G	н	J	к
4A7A5048N	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	
4A7A5048N	72	81	75	71	70	68	63	58	53	
Note: Rated in accordance with AHRI Standard 270–2008 *For Reference Only										



HEATING & AIR CONDITIONING

Product Specifications

POWER CONNS V/PH/HZ (*)208/230/1/60MIN. BRCH. CIR. AMPACITY24BR. CIR. PROT. RTG MAX. (AMPS)40COMPRESSORDURATION™ - SCROLLNO. USED - NO. STAGES1 - 1VOLTS/PH/HZ208/230/1/60R.L. AMPS (*) - L.R. AMPS18.5 - 124FACTORY INSTALLEDNOSTART COMPONENTS (*)NOINSULATION/SOUND BLANKETNOCOMPRESSOR HEATNOOUTDOOR FANPROPELLERDIA. (IN.) - NO. USED27.5 - 1TYPE DRIVE - NO. SPEEDSDIRECT - 1CFM @ 0.0 IN. W.G. (*)4600NO, MOTORS - HP1 - 1/5MOTOR SPEED R.P.M.850VOLTS/PH/HZ208/230/1/60F.L. AMPS0.93OUTDOOR COIL - TYPESPINE FIN™ROWS - F.P.I.3.0.8TUBE SIZE (IN.)3/8REFRIGERANTYESVALVE CONNECTION SIZE - IN. O.D. LQ.3/8VALVE CONNECTION SIZE - IN. O.D. LQ.3/8UIN SIZE - IN. O.D. LIQ.3/8CHARGING SPECIFICATIONSYAUVE CONNECTION SIZE - IN. O.D. LQ.SUBCOOLINGSPECIFICATIONSSUBCOOLINGS0.4 x 35.1 x 38.7WEIGHTS006SHIPPING (LBS.)306NET (LBS.)256	OUTDOOR UNIT (a) (b)	4A7A5048N1000A
BR. CIR. PROT. RTG MAX. (AMPS) 40 COMPRESSOR DURATION™ - SCROLL NO. USED - NO. STAGES 1 - 1 VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (a) - L.R. AMPS 18.5 - 124 FACTORY INSTALLED INO START COMPONENTS (e) NO 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) 4600 NO. MOTORS - HP 1 - 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COLL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 TUBE SIZE (IN.) 3/8 REFRIGERANT YES LIS R-410A (O.D. UNIT) (a) 7/8 VALVE CONNECTION SIZE - IN. O.D. 3/8 LINE SIZE - IN. O.D. GAS (h)(i)	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 (a) - L.R. AMPS 18.5 - 124 FACTORY INSTALLED Insulation START COMPONENTS (e) NO 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) 4600 NO. MOTORS - HP 1 - 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 1 LBS R-410A (O.D. UNIT) (a) 7/8 VALVE CONNECTION SIZE - IN. O.D. 3/8 LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 LINE SIZE - IN. O.D. LIQ.<	MIN. BRCH. CIR. AMPACITY	24
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VOLTS/PH/HZ 208/230/1/60 R.L. AMPS (#) – L.R. AMPS 18.5 – 124 FACTORY INSTALLED NO START COMPONENTS (#) NO INSULATION/SOUND BLANKET NO COMPRESSOR HEAT NO DIA. (IN.) – NO. USED 27.5 – 1 TYPE DRIVE – NO. SPEEDS DIRECT – 1 CFM @ 0.0 IN. W.G. (*) 4600 NO. MOTORS – HP 1 – 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT YES VALVE CONNECTION SIZE – IN. O.D. 3/8 LINE SIZE – IN. O.D. LIQ. 3/8 LINE SIZE – IN. O.D. LIQ. 3/8 SUBCOOLING 8°F DIMENSIONS HX W X D CRATED (IN.) 50.4 x 35.1 x 38.7	COMPRESSOR	DURATION™ - SCROLL
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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) 4600 NO. MOTORS – HP 1 – 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 202 LBS. – R-410A (O.D. UNIT) (9) 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE – IN. O.D. 3/8 LINE SIZE – IN. O.D. GAS (h) (f) 7/8 LINE SIZE – IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS SPF DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	FACTORY INSTALLED	
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TYPE DRIVE - NO. SPEEDS DIRECT - 1 CFM @ 0.0 IN. W.G. (*) 4600 NO. MOTORS - HP 1 - 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT YES LBS R-410A (O.D. UNIT) (9) 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE - IN. O.D. 3/8 LINE SIZE - IN. O.D. GAS (*) (*) 7/8 VALVE CONNECTION SIZE - IN. O.D. 3/8 LINE SIZE - IN. O.D. LIQ. 3/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS SUBCOOLING SUBCOOLING 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	OUTDOOR FAN	PROPELLER
CFM @ 0.0 IN. W.G. (*) 4600 NO. MOTORS - HP 1 - 1/5 MOTOR SPEED R.P.M. 850 VOLTS/PH/HZ 208/230/1/60 F.L. AMPS 0.93 OUTDOOR COIL - TYPE SPINE FIN™ ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 1 LBS R-410A (O.D. UNIT) (9) 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE - IN. O.D. 3/8 LINE SIZE - IN. O.D. GAS (*) (*) 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 3/8 SUBCOOLING 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	DIA. (IN.) – NO. USED	27.5 - 1
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VOLTS/PH/HZ $208/230/1/60$ FL. AMPS 0.93 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. $1 - 24$ FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) $3/8$ REFRIGERANT 1 LBS. – R-410A (O.D. UNIT) ^(g) 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE – IN. O.D. $7/8$ LINE SIZE – IN. O.D. GAS ^{(h) (i)} $7/8$ LINE SIZE – IN. O.D. LIQ. $3/8$ CHARGING SPECIFICATIONS $8^{\circ}F$ DIMENSIONS $H X W X D$ CRATED (IN.) $50.4 \times 35.1 \times 38.7$ WEIGHT 306	NO. MOTORS – HP	1 - 1/5
F.L. AMPS 0.93 OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 7 LBS. – R-410A (O.D. UNIT) ⁽⁹⁾ 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE – IN. O.D. 3/8 LINE SIZE – IN. O.D. GAS ^{(h) (i)} 7/8 LINE SIZE – IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	MOTOR SPEED R.P.M.	850
OUTDOOR COIL – TYPE SPINE FIN™ ROWS – F.P.I. 1 – 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 1 LBS. – R-410A (O.D. UNIT) ⁽⁹⁾ 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE – IN. O.D. 7/8 LINE SIZE – IN. O.D. GAS ^{(h) (i)} 7/8 LINE SIZE – IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	VOLTS/PH/HZ	208/230/1/60
ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT 1 LBS R-410A (O.D. UNIT) (9) 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE - IN. O.D. 7/8 LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	F.L. AMPS	0.93
FACE AREA (SQ. FT.) 30.8 TUBE SIZE (IN.) 3/8 REFRIGERANT LBS R-410A (O.D. UNIT) ⁽⁹⁾ 7 LBS., 2 OZ FACTORY SUPPLIED YES VALVE CONNECTION SIZE - IN. O.D. 7/8 URE SIZE - IN. O.D. GAS ^{(h) (i)} 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	OUTDOOR COIL – TYPE	SPINE FIN™
TUBE SIZE (IN.) 3/8 REFRIGERANT	ROWS – F.P.I.	1 - 24
REFRIGERANTImage: Constraint of the second seco	FACE AREA (SQ. FT.)	30.8
LBS R-410A (O.D. UNIT) (9)7 LBS., 2 OZFACTORY SUPPLIEDYESVALVE CONNECTION SIZE - IN. O.D. GAS7/8VALVE CONNECTION SIZE - IN. O.D. LIQ.3/8LINE SIZE - IN. O.D. GAS (h) (i)7/8LINE SIZE - IN. O.D. LIQ.3/8CHARGING SPECIFICATIONS8°FDIMENSIONSH X W X DCRATED (IN.)50.4 x 35.1 x 38.7WEIGHT306	TUBE SIZE (IN.)	3/8
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VALVE CONNECTION SIZE - IN. O.D. GAS7/8VALVE CONNECTION SIZE - IN. O.D. LIQ.3/8LINE SIZE - IN. O.D. GAS (h) (i)7/8LINE SIZE - IN. O.D. LIQ.3/8CHARGING SPECIFICATIONS3/8SUBCOOLING8°FDIMENSIONSH X W X DCRATED (IN.)50.4 x 35.1 x 38.7WEIGHT306	LBS. – R-410A (O.D. UNIT) ^(g)	7 LBS., 2 OZ
GAS 7/8 VALVE CONNECTION SIZE - IN. O.D. LIQ. 3/8 LINE SIZE - IN. O.D. GAS ^{(h) (i)} 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 3/8 SUBCOOLING 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	FACTORY SUPPLIED	YES
VALVE CONNECTION SIZE - IN. O.D. LIQ. 3/8 LINE SIZE - IN. O.D. GAS (h) (i) 7/8 LINE SIZE - IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS 3/8 SUBCOOLING 8°F DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306		7/8
LINE SIZE – IN. O.D. LIQ. 3/8 CHARGING SPECIFICATIONS SUBCOOLING 8°F DIMENSIONS HX W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT SHIPPING (LBS.) 306	VALVE CONNECTION SIZE – IN. O.D.	3/8
CHARGING SPECIFICATIONSSUBCOOLING8°FDIMENSIONSH X W X DCRATED (IN.)50.4 x 35.1 x 38.7WEIGHTSHIPPING (LBS.)306	LINE SIZE – IN. O.D. GAS (h) (i)	7/8
SUBCOOLING8°FDIMENSIONSH X W X DCRATED (IN.)50.4 x 35.1 x 38.7WEIGHT306	LINE SIZE – IN. O.D. LIQ.	3/8
DIMENSIONS H X W X D CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT 306	CHARGING SPECIFICATIONS	
CRATED (IN.) 50.4 x 35.1 x 38.7 WEIGHT	SUBCOOLING	8°F
WEIGHT 306	DIMENSIONS	HXWXD
SHIPPING (LBS.) 306	CRATED (IN.)	50.4 x 35.1 x 38.7
	WEIGHT	
NET (LBS.) 256	SHIPPING (LBS.)	306
	NET (LBS.)	256

- (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) Use start components only when compressor is found to enter locked rotor condition and will not start or when lights dim at compressor start." 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
- ^(g) This value approximate. For more precise value see unit nameplate.
- (h) For standard, recommended linear length and lift applications, see the Subcool Charging Chart on page 5. For greater lengths and other applications, consult refrigerant piping software Pub. No. 32-3312-xx (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.



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.

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