American Standard
HEATING & AIR CONDITIONING

4A7A3042-SUB-104.03

TAG: _____

Specifications

3-1/2 Ton Split System Cooling — 1 Phase

4A7A3042A

NOTE: All dimensions are in mm/inches.

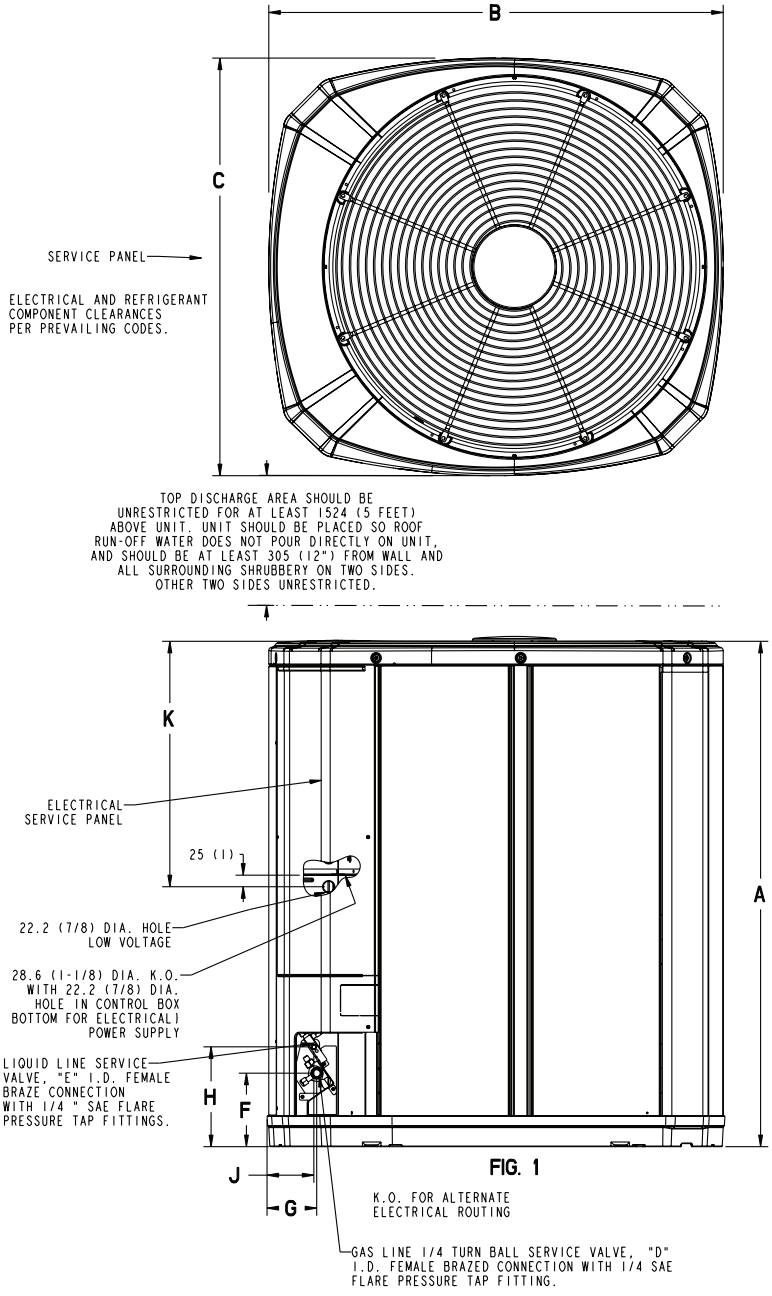

FIG. 1

Product Specifications

OUTDOOR UNIT ①②	4A7A3042A1000B
POWER CONNS. — V/PH/HZ ③	208/230/1/60
MIN. BRCH. CIR. AMPACITY	25
BR. CIR. PROT. RTG. - MAX. (AMPS)	40
COMPRESSOR	DURATION™ - SCROLL
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS ⑦ - L.R. AMPS	18.6 - 105
FACTORY INSTALLED	
START COMPONENTS ⑧	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. ④	4610
NO. MOTORS - HP	1 - 1/4
MOTOR SPEED R.P.M.	825
VOLTS/PH/HZ	200/230/1/60
F.L. AMPS	1.3
OUTDOOR COIL — TYPE	SPINE FIN™
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	21.99
TUBE SIZE (IN.)	3/8
REFRIGERANT	
LBS. — R-410 (O.D. UNIT) ⑤	7 LBS., 0 OZ.
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ⑥	3/4
LINE SIZE - IN. O.D. LIQ. ⑥	3/8
CHARGING SPECIFICATION	
SUBCOOLING	13°F
DIMENSIONS	H X W X D
CRATED (IN.)	38.4 x 35.1 x 38.7
WEIGHT	
SHIPPING (LBS.)	249
NET (LBS.)	216

① Certified in accordance with the Air-Source Unitary Air-Conditioner Equipment certification program, which is based on ARI standard 210/240.
② Rated in accordance with ARI standard 270.
③ Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
④ Standard Air — Dry Coil — Outdoor
⑤ This value approximate. For more precise value see unit nameplate.
⑥ Max. linear length 60 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft. For greater length consult refrigerant piping software Pub. No. 32-3312-0* (* denotes latest revision).
⑦ 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.
⑧ No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter.

MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
4A7A3042A	4	1	841 (33-1/8)	946 (37-1/4)	870 (34-1/4)	3/4	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)

From Dwg. D152862 Rev. 24

A-weighted Sound Power Level [dB(A)]

MODEL	SOUND POWER LEVEL [dB(A)]	A-WEIGHTED FULL OCTAVE SOUND POWER LEVEL dB - [dB(A)]							
		63	125	250	500	1000	2000	4000	8000
4A7A3042A1	76	54.9	58.7	61.6	67.2	69	67.7	60.4	53.7
Note: Rated in accordance with AHRI Standard 270-2008									

Mechanical Specification Options

General
The 4A7A3 is fully charged from the factory for up to 15 feet of piping. 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 A.H.R.I. certified. The unit is certifed to UL Standard 1995. Exterior is designed for outdoor application.

Casing
Unit casing is constructed of heavy gauge, G90 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weather-proof CMBP-G30 DuraTuff™ base.

Refrigerant Controls
Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory installed liquid line drier is standard.

Compressor
The Climatuff® compressor features internal over temperature and pressure protection and total dipped hermetic motor. Other features include: roto lock suction and discharge refrigerant connections, 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 unit has a cooling capability 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.

Accessories
Thermostats — Cooling only and heat/cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

Evaporator Defrost Control — See Low Ambient Cooling.

ARI PERFORMANCE CERTIFIED ™ C INTERTEK ETL CM LISTED US

ARI Standard 210/240 UAC

12/09

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