American Standard

2A7B3036-SUB-103.00

TAG: _____

Specifications

3 Ton Split System Cooling — 1 Phase

2A7B3036A

NOTE: All dimensions are in mm/inches.

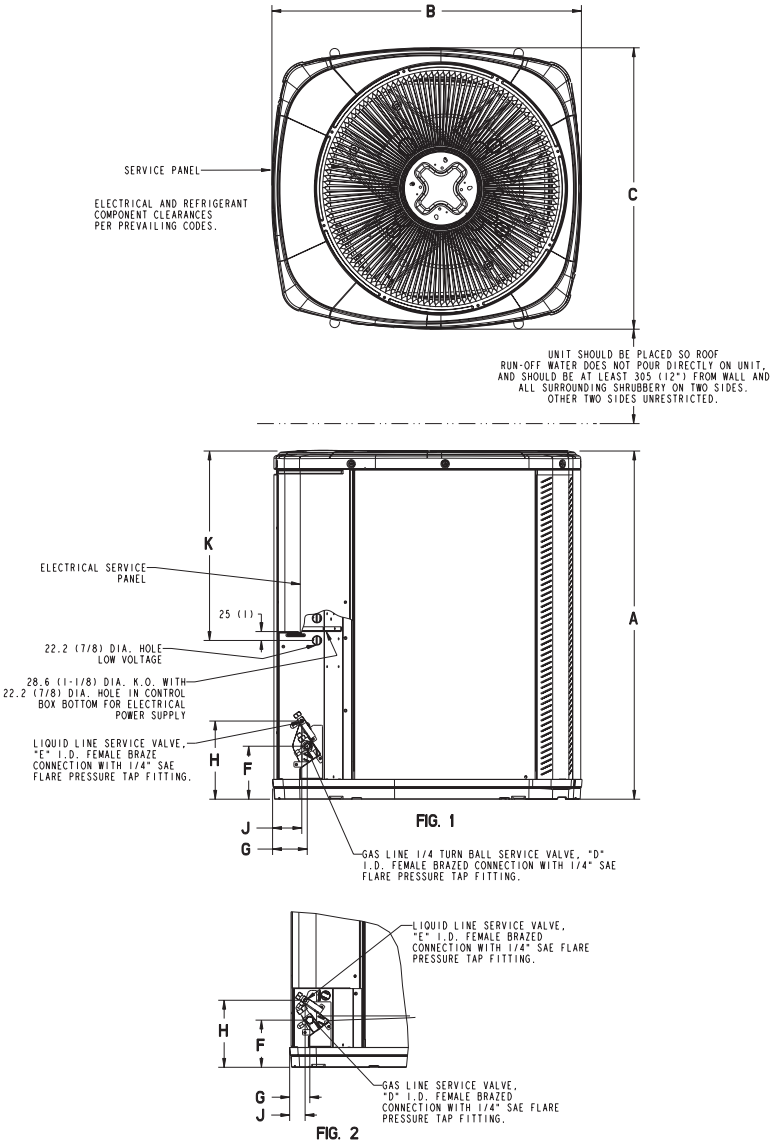

FIG. 1

FIG. 2

Model No.①	2A7B3036A1000A
Electrical Data V/Ph/Hz②	208/230/1/60
Min Cir Ampacity	18
Max Fuse Size (Amps)	30
Compressor	DURATION™-SCROLL
RL Amps - LR Amps	13.5 - 73
Outdoor Fan FL Amps	1.4
Fan HP	1/6
Fan Dia (inches)	23
Coil	Spine Fin ™
Refrigerant R-22	6/05-LB/OZ
Line Size - (in.) O.D. Gas ③	7/8
Line Size - (in.) O.D. Liquid ③	3/8
Dimensions H x W x D (Crated)	38 x 30.1 x 33
Weight - Shipping	220
Weight - Net	193
Start Components	NO
Sound Enclosure	NO
Compressor Sump Heat	NO

① Certified in accordance with the Air-Source Unitary Heat Pump Equipment certification program which is based on ARI Standard 210/240.
② Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.
③ Standard line lengths - 60'. Standard lift - 60' Suction and Liquid line.
For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0†. (†denotes latest revision)

MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2A7B3036A	3	2	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	7/8	3/8	137 (5-3/8)	86 (3-3/8)	210 (8-1/4)	79 (3-1/8)	508 (20)

From Dwg. 21D153074 Rev. 10

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
2A7B3036A1		76	44.8	60.5	61.4	69.2	72.1	65.2	57.3	51.3

Note: Tested in accordance with ARI Standard 270.95. (Not listed with ARI)

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Mechanical Specification Options

General

These models shall be fully charged from the factory for matched indoor section and up to 15 feet of piping. This unit must be designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities shall be matched with a wide selection of air handlers and furnace coils that are A.R.I. certified. The unit shall be UL listed Exterior must be designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish.

Refrigerant Controls

Refrigeration system controls include condenser fan and compressor contactor. Another standard feature is the liquid line drier.

Compressor

The compressor features internal over temperature and pressure protector and total dipped hermetic motor. Other features include: roto lock suction and discharge refrigerant connections, centrifugal oil pump, and low vibration and noise. The compressor features a 5-year limited warranty.

Condenser Coil

The coil shall be continuously wrapped, corrosion resistant aluminum with minimum brazed joints. This coil is 3/8 inch O.D. seamless aluminum glued to a continuous aluminum fin. Coils are lab tested to withstand 2,000 pounds of pressure per square inch and feature a 5-year limited warranty.

Low Ambient Cooling

As shipped, 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 – Heating/Cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

Evaporator Defrost Control – See Low Ambient Cooling.

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9/05

American Standard Inc. *has a policy of continuous product and product data improvement* **and** *it reserves the right to change design and specifications without notice.*