

# SUBMITTAL DATA SHEET

**R-410A SPLIT SYSTEM AIR CONDITIONERS**  
**13 SEER – R-410A – 1 PHASE – 1.5 THRU 5 NOMINAL TONS**  
**MODELS: TCGD18 THRU 60**

JOB NAME:			LOCATION:		
PURCHASER:			ORDER NO:		
ENGINEER:					
SUBMITTED TO:		FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:			DATE:		
UNIT DESIGNATION:			SCHEDULE NO.	MODEL NO.	

## PRODUCT DATA

### Cooling Performance

Total Capacity \_\_\_\_\_ MBH

Outdoor Design Temp \_\_\_\_\_ °F

### Electrical Data

Power Supply \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Compressor Ampacity \_\_\_\_\_ AMPs

Total Unit Ampacity \_\_\_\_\_ AMPs

Power Input Req \_\_\_\_\_ KW

Minimum Wire Size \_\_\_\_\_ AWG

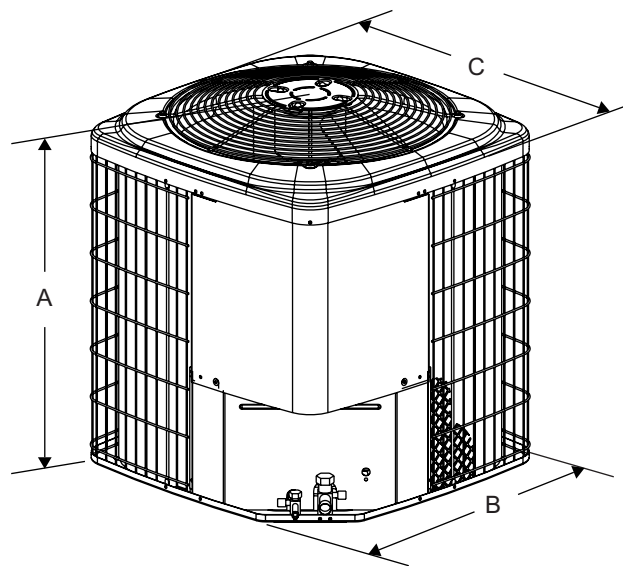
Overcurrent Device

Fuses     Circuit Breaker

### Unit Weight

Unit Weight \_\_\_\_\_ LBS

## DIMENSIONS - INCHES



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
18	28-1/4	24	24	3/8	3/4
24	28-1/4	24	24		
30	28-1/4	24	24		
36	28-1/4	29-1/2	29-1/2		
42	30-1/4	29-1/2	29-1/2		
48	30-1/4	29-1/2	29-1/2	7/8	
60	32-1/4	34	34		

All dimensions are in inches and are subject to change without notice.  
 Overall height is from bottom of base pan to top of fan guard.  
 Overall length and width include screw heads.



## FEATURES

- **Small Footprint** - Extremely lightweight with a compact footprint, it is a perfect fit for any application.
- **Quality Condenser Coils** - The coil is constructed of aluminum microchannel tubing and enhanced aluminum fins for reduced size and increased efficiency.
- **Coil Protection** - Coils are protected from damage by a sturdy polymer mesh and a coated steel wire coil guard.
- **Optional Factory E-Coat** - Available ElectroFin® coated coil on select models.
- **Protected Compressor** - Compressors are protected internally by a high pressure relief valve and a temperature sensor, and externally by the system high pressure switch. A factory installed liquid line filter-drier further protects the compressor against moisture and debris.
- **Environmentally Friendly Refrigerant** - The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable Finish** - The cabinet is made of G90-equivalent pre-painted steel, with special primer formulas and matte champagne texture to insure less fading when exposed to sunlight. The coated steel wire fan and coil guards and pre-treated, galvanized steel chassis components resist corrosion and rust creep.
- **Lower Installed Cost** - Installation time and costs are reduced by easy power and control wiring connections. The unit is factory charged for a 15-foot lineset. The small base dimension means less space is required on the ground or roof.
- **Top Discharge** - Warm air from the top mounted fan is blown up, away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **Competitive Sound Levels** - The upward air flow carries the normal operating noise away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the condenser coil muffle the normal fan motor and compressor operating sounds.
- **Low Maintenance** - Long life, permanently lubricated motor-bearings need no annual servicing.
- **Easy Service Access** - Fully exposed refrigerant connections and a single panel covering the electrical controls make for easy servicing of the unit.
- **Secured Service Valves** - Secured, re-usable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging.
- **Agency Listed** - Safety certified by CSA to UL 1995 / CSA 22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.

## WARRANTY SUMMARY\*

Standard 5-Years limited parts warranty.

Standard 5-Years limited compressor warranty.

**Extended 10-Years limited parts and compressor warranty** when product is registered online within 90 days of purchase for replacement or closing for new home construction.

\*Does not apply to R-22 models, 3-Phase models or internet sales. See Limited Warranty certificate in User's Information Manual for details.

## CLEARANCES

The minimum clearances shown below must be maintained should any patio or yard improvements be done around the outdoor unit.

- 10" Clearance Coil Area
- 60" Overhead Clearance
- 18" Minimum Service Panel Access
- 24" Minimum Unit to Unit Distance

## MATCHING AIR SIDE EQUIPMENT

Model No.  \_\_\_\_\_

Submittal Form No.  \_\_\_\_\_

## FIELD INSTALLED ACCESSORIES

Off Cycle Timer (S1-2TD08700124)  \_\_\_\_\_

Thermostats  \_\_\_\_\_

Blower Off Delay (S1-2FD06700224)  \_\_\_\_\_

Hard Start Kit  \_\_\_\_\_

Low Ambient Pressure Switch  \_\_\_\_\_

Model	Source 1 Kit numbers
18	S1-2SA06708606
24	S1-2SA06721706
30	S1-2SA06705906
36	S1-2SA06708906
42	S1-2SA06708806
48	S1-2SA06708806
60	S1-2SA06707906

*Refer to Technical Guide for detailed specifications on the unit and its accessories.*

*Verify the actual ratings for each specific matchup in the online AHRI directory at [www.ahridirectory.org](http://www.ahridirectory.org) at the time of sale. It is also recommended to print the rating certificate, if needed, at the time of sale.*