

# CONDOR CTA-104-I



Articulated/Telescopic Aerial Work Platforms



## FEATURES INCLUDED IN THE CTA-104-I

### **UPPER BOOM ASSEMBLY**

The upper boom includes a sealed telescoping insulated inner boom with articulation ranging up to 167° relative to the lower boom. All lift functions are microprocessor controlled for smooth, dependable operation and safety.

### **LOWER BOOM ASSEMBLY**

The lower boom is a two-section telescopic type consisting of an inner and outer column and can articulate 0° from horizontal to 87° past vertical. The column is constructed of high strength tubular welded reinforced steel, along with a fiberglass insert, designed to provide maximum strength and rigidity.

### **PLATFORM**

The standard fiberglass platform on the CTA-104-I is 48 in. x 24 in. x 42 in. (1.22 m x .61 m x 1.67 m). The platform is equipped with a 180° platform rotation independent of turret rotation. Standard platform capacity is 800 lbs. (360 kg). The unit is rated for 500 KV category A and C ANSI A92.2-2001.

### **JIB AND WINCH**

The fiberglass job and heavy-duty winch rotate up to 180° both with the platform and independently for precise load positioning. This assembly facilitates easy lifting, handling and load maneuvering. The job and winch can be stored when not in use to provide more operator and equipment space.

### **SHORT JACKING**

The short jacking capability allows for the lift to operate over one side of the truck without requiring the operator to fully extend the out and down outriggers on the opposite side. With the combination of our "out and down" style outriggers and the electronic boom rotation control, work can be performed over the curb-side with no necessary outrigger extension on the street-side. The electronic boom rotation control will not allow the boom to rotate to the street-side. These features combine for tremendous space-saving and a safe work environment for otherwise tight or crowded areas.

### **ROTATION**

Rotation on the CTA-104-I is 360° continuous and unrestricted in either direction and consists of a planetary gearbox acting on a shear-ball rotation bearing. The critical bolts holding the list to the rotation bearing and the rotation bearing to the pedestal are grade 8 hex head capscrews. These critical bolts are torque seal marked to provide a quick means of detecting any turning of the bolt upon inspection.

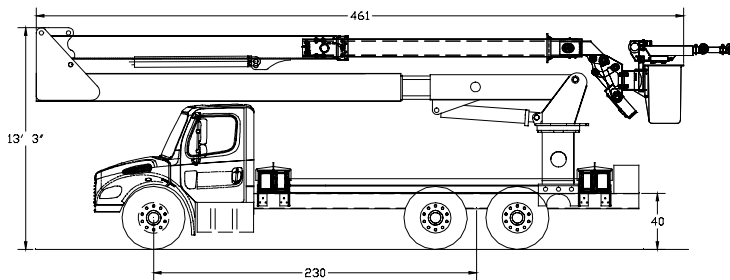
### **LUBRICATION**

Non-lube bearings are used at all pivot points. Only the rotation bearing and leveling system require periodic lubrication.

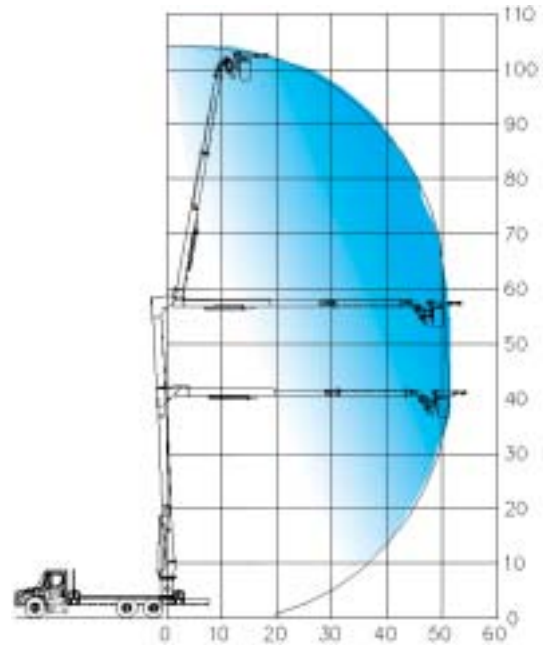
## General Specifications

Platform Capacity .....	800 lbs. (360 kg.)
Voltage Rating .....	500 KV
Working Height .....	103 ft. 6 in. (31.55 m)
Max. Vertical Platform Height .....	98 ft. 6 in. (30.02 m)
Elbow Articulation .....	167°
Column Articulation .....	87°
Max. Horizontal Reach .....	51 ft. 4 in. (15.65 m)
Operating Pressure .....	3000 PSI (211 kg/cm <sup>2</sup> )
Flow Rate .....	0 to 15 GPM
Filtration .....	10 micron return
.....	100 mesh suction
System Type .....	Open center
.....	PTO pump

The CTA-104-I is mounted on a commercial 60,000 GVW tandem axle chassis.



## CTA-104-I Platform Travel



Recommended chassis requirements:

Front axle gross weight	20,000 lbs.
Rear axle gross weight	40,000 lbs.

## Options

- PLATFORM LINER
- METAL PLATFORM
- PLATFORM COMMUNICATION SYSTEM
- EMERGENCY POWER
- 6 GPM HYDRAULIC POWER AT THE PLATFORM



P. O. Box 20368  
Waco, TX 76702-0368  
Tel.: 254-399-2100  
Fax: 254-399-2651  
www.timemfg.com



Precise engineering allows for stowed lift and travel height to be reduced to a minimum.