



FEATURES INCLUDED IN THE CTA-104-I

UPPER BOOM ASSEMBLY

The upper boom is a two-section telescoping type consisting of a sealed telescoping insulated inner boom with articulation ranging up to 168° 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 85° from the horizontal. The boom 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 ANSI A92.2-2001.

JIB AND WINCH

The 1,500 lbs. hydraulic platform jib 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 jib 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 system, work can be performed over the curb-side with no necessary outrigger extension on the street-side. The electronic boom rotation system 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 lift 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.

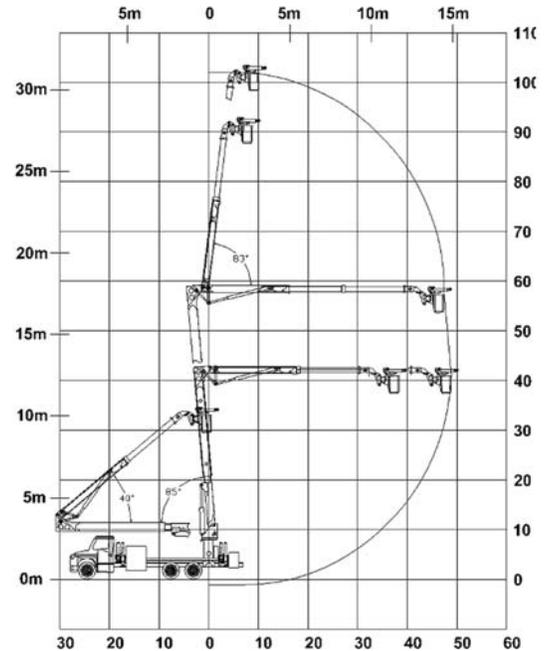
LUBRICATION

Non-lube bearings are used at all pivot points. Only the rotation bearing requires periodic lubrication.

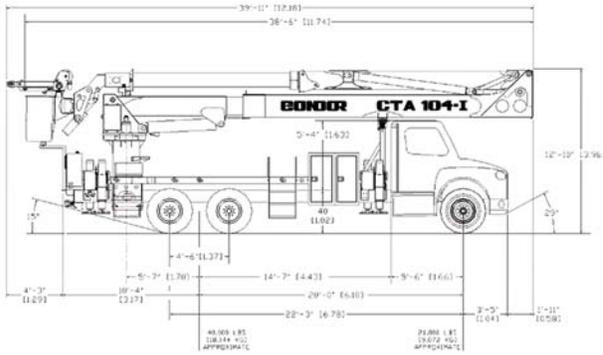
General Specifications

Platform Capacity	800 lbs. (360 kg.)
Working Height	103 ft. 6 in. (31.6m)
Max. Horizontal Reach	48 ft. 10 in. (14.66 m)
Elevated Horizontal Reach	47 ft. 6 in. (14.5 m)
Height to Bottom of Platform	98 ft. 6 in. (30.02 m)
Upper Boom Articulation	170°
Lower Boom Elevation	0° to 85°
Operating Pressure	3000 PSI (211 kg/cm ²)
Voltage Rating	500 KV
Flow Rate	0 to 23 GPM
Filtration	10 micron return
.....	100 mesh suction
Hydraulic System Type	Closed center
.....	PTO pump

CTA-104-I Platform Travel



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



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
- 3 AXIS JOYSTICK AT UPPER CONTROLS
- 6 GPM HYDRAULIC TOOL POWER @ PLATFORM



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