

## Boom Trucks

Boom vehicles are often used by phone, cable and utilities firms as they have extended folded arms which are generally folded over the roofs of company vehicles. On the end of the extension of extendable arms typically sits a bucket-like apparatus. When a container truck has an extendable boom installed on the roof this is sometimes referred to as an "aerial boom truck" or a "cherry picker". It is capable of transporting workers to the peak of a telephone or utility pole. Bucket boom vehicles have a hauling capacity of around 350 lbs to 1500 lbs or 158 kg to 680 kg plus they are able of extending the bucket up to 34 feet or to around 10 meters into the air.

Heavy equipment boom vehicles or construction boom vehicles may have a hoist attached to the back. These cranes known as knuckle booms can be little and compact or be of the trolley boom type, where the hoist is capable of extending the span of the truck bed. Crane boom trucks possess a hauling capacity between 10 to 50 tons or just about 9 to 45 metric tons.

Concrete boom vehicles are an additional variation. The booms on these vehicles have a pipe with a nozzle at the far end and are used to pump concrete or other materials. The locations where these resources have to be deposited are commonly inaccessible to the vehicle or is located at a substantial height, therefore, the boom of a larger concrete boom vehicle may well be extended 230 feet or just about 71 meters. The vehicle then pumps the concrete through the boom directly depositing it into the space where it is required.

Fire engines are often outfitted with a boom bucket able to lift firefighters up to the higher floors of buildings. Additionally, this boom will allow firefighters to aim the flow of water or to engage or rescue trapped victims. Some of the older hook and ladder lift trucks have been displaced by contemporary boom trucks.

Self-propelled booms are very similar to lift trucks. These little boom vehicles can lift employees to elevated storage space or to the ceiling of large warehouses and stockroom offices. They are more stable and as a result much safer than using extension ladders for the same application.