

## Boom Trucks

Boom vehicles are often used by phone, cable television and utilities companies as they have long folded arms which are typically folded over the roofs of company vans. On the end of the extension of extendable arms more often than not sits a bucket-like apparatus. When a bucket truck has an extendable boom installed on the roof this is sometimes known as an "aerial boom truck" or a "cherry picker". It can transport staff to the top of a telephone or utility pole. Bucket boom lift trucks 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 just over 10 meters into the air.

Heavy equipment boom trucks or construction boom vehicles may have a crane attached to the back. These cranes referred to as knuckle booms may be little and compact or be of the trolley boom kind, where the hoist is capable of extending the span of the vehicle bed. Hoist boom trucks have a raising capacity between 10 to 50 tons or about 9 to 45 metric tons.

Concrete boom trucks are another adaptation. The booms on these vehicles have a tube with a nozzle at the far end and are utilized to pump concrete or other materials. The places where these resources need to be deposited is commonly inaccessible to the vehicle or is found at a great height, therefore, the boom of a larger concrete boom vehicle might be extended 230 feet or roughly 71 meters. The vehicle then pumps the concrete through the boom precisely depositing it into the space where it is required.

Fire engines are often fitted with a boom bucket able to lift firefighters up to the upper floors of buildings. Additionally, this boom will permit firefighters to point the flow of water or to engage or rescue trapped victims. Many of the older hook and ladder lift trucks have been displaced by contemporary boom vehicles.

Self propelled booms are very similar to lift trucks. These little boom vehicles may hoist staff to elevated storage space or to the ceiling of large warehouses and storeroom facilities. They are more secure and therefore much safer than using extension ladders for the similar application.