

## Boom Trucks

Boom trucks are often utilized by phone, cable television and utilities organizations 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 usually sits a bucket-like apparatus. When a bucket truck has an extendable boom mounted the roof this is sometimes identified as an "aerial boom truck" or a "cherry picker". It is able to transport staff to the top of a phone or utility pole. Bucket boom vehicles have a hauling capacity of approximately 350 lbs to 1500 lbs or 158 kg to 680 kg and are capable of extending the bucket up to 34 feet or to around 10 meters into the air.

Heavy equipment boom trucks or construction boom vehicles may have a hoist attached to the rear. These cranes referred to as knuckle booms can be undersized and compact or be of the trolley boom variety, where the hoist is capable of extending the length of the vehicle bed. Hoist boom trucks possess a raising capability between 10 to 50 tons or about 9 to 45 metric tons.

A different adaptation of boom truck is the concrete boom, which possess a pipe with a nozzle at the end of the truck to pump concrete and other resources. The locations where these resources need to be deposited is oftentimes inaccessible to the truck or is found at a great height, therefore, the boom of a bigger concrete boom vehicle might be extended 230 feet or just about 71 meters. The vehicle then pumps the concrete through the boom precisely depositing it into the space where it is needed.

Fire engines are often equipped with a boom bucket able to lift firefighters up to the higher floors of structures. Additionally, this boom will allow firefighters to direct the flow of water or to engage or rescue trapped victims. A lot of the older hook and ladder trucks have been displaced with modern boom vehicles.

There is in addition a miniature self-propelled boom truck, comparable to a forklift that is offered on the market for sizable warehouses or manufacturing plants. These mini boom trucks may lift employees to upper storage areas or to the ceiling of the building. They are far safer and more steady than using an extension ladder for the equivalent application.