

## Boom Trucks

Boom vehicles are often used by phone, cable and utilities organizations as they have long 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 bucket vehicle has an extendable boom mounted the roof this is often called 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 vans have a lifting capacity of roughly 350 lbs to 1500 lbs or 158 kg to 680 kg and are capable of extending the bucket up to 34 feet or just over 10 meters into the air.

Construction boom trucks or heavy duty boom vehicles will often have a crane attachment on the rear. Often called knuckle booms, these cranes can be shorter and more compact than the trolley boom, which has a boom able to extend the length of the vehicle. Hoist boom vehicles have a raising capability between 10 to 50 tons or roughly 9 to 45 metric tons.

Concrete boom trucks are an additional adaptation. The booms on these vehicles have a pipeline with a nozzle at the far end and are used to pump concrete or other materials. The locations where these materials need to be deposited is usually inaccessible to the truck or is located at a great height, consequently, the boom of a larger concrete boom truck may be extended 230 feet or approximately 71 meters. The vehicle then pumps the material through the boom directly depositing it into the space where it is required.

Fire engines are frequently fitted with a boom bucket able to raise firefighters up to the upper floors of buildings. What's more, this boom will allow firefighters to guide the flow of water or to engage or rescue ensnared victims. A lot of the older hook and ladder lift trucks have been replaced by up to date boom trucks.

There is also a miniature self-propelled boom truck, related to a forklift that is offered on the market for sizable warehouses or production facilities. These mini boom vehicles may elevate workers to upper cargo areas or to the ceiling of the building. They are far safer and more stable than using an extension ladder for the same function.