

## Boom Trucks

Boom vehicles are often applied by phone, cable television and utilities firms as they have extended folded arms which are generally folded over the roofs of company vans. On the end of the extension of extendable arms usually sits a bucket-like apparatus. When a container vehicle has an extendable boom installed on the roof this is often referred to as an "aerial boom truck" or a "cherry picker". It is capable of transporting employees 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 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 trucks might have a crane attached to the back. These cranes referred to as knuckle booms can be short and compact or be of the trolley boom variety, where the crane is able to extend the length of the truck bed. Hoist boom trucks possess a raising capacity between 10 to 50 tons or around 9 to 45 metric tons.

Concrete boom vehicles are a further adaptation. The booms on these vehicles have a pipe with a nozzle at the remote end and are used to pump concrete or other materials. The areas where these materials need to be deposited is usually inaccessible to the truck or is located at a considerable height, therefore, the boom of a bigger concrete boom vehicle may well be extended 230 feet or just about 71 meters. The truck then pumps the concrete through the boom precisely depositing it into the space where it is required.

Fire departments are equipped with a lengthy container boom used to hoist firefighters to the upper floors of a building. Once in place, this boom permits them to direct water onto flames or to rescue ensnared victims. Some of the older hook and ladder trucks have been displaced by modern boom trucks.

There is also a small self-propelled boom vehicle, similar to a forklift that is offered on the market for huge warehouses or production facilities. These mini boom vehicles may elevate staff to upper cargo areas or to the ceiling of the building. They are much safer and more steady than using an extension ladder for the equivalent application.