

## Boom Trucks

A boom truck is frequently recognized by the cable and telephone business vans that have the elongated arm folded over their roofs. Commonly, a bucket-like equipment sits at the extension of extendable arms. Usually referred to as a cherry picker, or an aerial boom truck, a bucket truck has an extendable boom installed on the roof or bed. It is capable of transporting employees to the top of a phone or utility pole. Bucket boom vans have a lifting 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 just over 10 meters into the air.

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

Concrete boom vehicles are another deviation. The booms on these vehicles have a pipeline with a nozzle at the extreme end and are used to pump concrete or other resources. The areas where these resources need to be deposited is commonly inaccessible to the vehicle or is stationed at a considerable height, for that reason, the boom of a larger concrete boom vehicle may be extended 230 feet or just about 71 meters. The truck then pumps the concrete through the boom directly depositing it into the space where it is needed.

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 enables them to direct water onto flames or to rescue ensnared victims. Many of the older hook and ladder trucks have been displaced by modern boom trucks.

There is in addition a miniature self-propelled boom vehicle, similar to a forklift that is offered on the market for large warehouses or production facilities. These mini boom vehicles can elevate workers 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.