

Articulated Boom Lift Attachment

Articulated Boom Lift Attachment - 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 vans. On the end of the extension of extendable arms usually sits a bucket-like apparatus. When a bucket vehicle has an extendable boom installed on the roof this is sometimes referred to as an "aerial boom truck" or a "cherry picker". It is capable of transporting employees to the top of a telephone or electrical pole. Bucket boom vans have a lifting capacity of around 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 vehicles or heavy duty boom trucks will often have a crane attachment on the rear. Often referred to as knuckle booms, these cranes may be shorter and more compact than the trolley boom, which has a boom capable of extending the length of the vehicle. Crane boom trucks include a hauling capability between 10 to 50 tons or just about 9 to 45 metric tons.

A different adaptation of boom truck is the concrete boom, which possess a tube with a nozzle at the end of the vehicle to pump concrete and other resources. The locations where these materials have to be deposited is oftentimes inaccessible to the vehicle or is located at a considerable height, for that reason, the boom of a bigger concrete boom truck may be extended 230 feet or approximately 71 meters. The truck then pumps the concrete through the boom completely depositing it into the space where it is required.

Fire departments are outfitted with a lengthy bucket boom used to hoist firefighters to the upper floors of a structure. Once in place, this boom enables them to direct water onto a fire or to rescue ensnared victims. A lot of the older hook and ladder lift trucks have been displaced with contemporary boom vehicles.

There is in addition a small self-propelled boom vehicle, analogous to a forklift that is existing on the market for sizable warehouses or production plants. These mini boom trucks can elevate workers to upper storage areas or to the ceiling of the building. They are much safer and more steady than using an extension ladder for the equivalent application.