

Telehandler / Zoom Boom

Used Telehandler Colorado - Telehandlers go by many different names including a boom lift, telescopic handler, Cherry picker or teleporter. This industrial equipment is commonly used in a variety of industries including agriculture. It is similar to a forklift and a crane as it has a boom, enabling it to extend upwards and forwards from the vehicle. The operator can utilize a variety of attachments at the end of the articulating boom to complete different jobs. Common attachments include pallet forks, a winch, a bucket or a muck grab. The pallet forks are the most popular telehandler attachment. These attachments help the operator transport different sized loads to many locations that would be considered unreachable with a traditional forklift. Telehandlers allow cargo pallets to be loaded and unloaded from a trailer and placed on high locations such as racking or rooftops. Often, high rooftop locations would need a crane although, telehandlers can accomplish these tasks much more efficiently. It can be expensive and impractical to rely on a crane or expansive industrial equipment to finish particular tasks. Within agriculture, the bucket or bucket grab is among the most popular attachments. Transporting items from unreachable places that cannot use a backhoe loader or a wheeled loader is one of the main advantages of using a telehandler. Telehandlers can directly access trailer units with high sides, hoppers or applications that would typically need a conveyor or loading ramp. Having one item to complete a variety of jobs saves time, money and storage space. Telehandlers commonly work alongside a crane jib. Many attachments can be used such as power booms, grain and dirt buckets and rotators. Three-point linkage and power take-off can be used with agricultural models to make this machine particularly capable. Interestingly enough, the machines' main advantage is also its' biggest limitation. When raising or extending with heavy loads, the boom functions similar to a lever. Despite significant counterweights in the rear, the telehandler can be subject to instability at times, decreasing the lifting capacity as the working radius or distance between the center of the load and the front of the wheels increases. When a telehandler functions as a single boom loader (as opposed to twin arms) and carrying a heavy load, there can be a potential for weakness even in the best designs. For instance, a telehandler with a five thousand pound capacity may be capable of safely lifting as little as four hundred pounds fully extended with a low boom angle with a retracted boom. The same piece of equipment with a five thousand pound lift capacity and retracted boom may be capable as supporting up to ten thousand pounds once the boom is raised to seventy degrees. These machines are equipped with a load chart to help outline which tasks are safely possible. These charts take the boom height, angle and weight into account. There are sensors and computers available on newer models. The operator cannot continue once the machine's limits have been reached. They are warned and cut off from accessing the control input. The lifting capacity is enhanced by front stabilizers that maximize the lifting capacity from a stationary position. A stabilizing rotary joint between the upper and lower frames may be called a mobile crane that can use a bucket. There are many models of telehandlers differing in size, weight, boom designs and reach. If the machine weighs in at eleven thousand pounds or less, it can be part of the compact category. Compact models feature a two- stage boom design in comparison to the three or four boom design that is common with larger units. A low pivot boom ensures better operator visibility for transporting loads on compact units. Compact models are skinnier and have thinner dimensions. Compact telehandlers have a reach capacity ranging between 13 to 20 feet with a lift capacity ranging from 5k to 7k pounds. The versatility of the compact telehandler makes it popular in a variety of applications. This machine can be utilized for carrying tools or as a pick and place unit. Compact units are ideal for cramped locations. Residential applications are common as contractors relish their useful nature with framing applications and where height restrictions come into play. These machines can facilitate internal building access. Compact units are popular in multi-story construction, nurseries, strip malls, landscaping, masonry, garage facilities and erecting steel among other applications. Telehandlers are employed by agri-business and farming applications to complete many jobs. Telehandlers come with crab steering or two or four-wheel drive

options. This machine can traverse longer distances with two-wheel drive at higher speeds to facilitate easy travel between worksites. The four-wheel drive models offer the ability to traverse more difficult terrain and provide a tighter turning radius. Crab steering is responsible for the increased maneuverability, allowing the front and rear wheels to shift forty-five degrees to the right or left. Compact telehandlers have varying cab environments. There is a rollover protective cage to enhance safety on less expensive models. Higher models come with a heater, a completely enclosed cab, defroster and windshield wiper. Compact units feature spacious cab accommodations to keep operators totally comfortable. Extra amenities including air conditioning, satellite radio, suspension seats, tilt steering and cup holders are available. Different high-flow auxiliary hydraulics and high-pressure hydraulics run the variety of attachments. These attachments increase the functions the machine is capable of. Compact units are more commonly utilized for ground engaging jobs. Adding a bucket attachment can make a compact telehandler transform into a mini excavator. There are popular attachments including brooms for sweeping, truss booms for extended reach, side-shifting and rotating fork carriages, heavy and light-duty buckets, augers for planting trees or digging holes and many items. Skid steer attachments are being manufactured for certain compact telehandler designs for even more versatility.