

Telehandler / Zoom Boom

Used Telehandler Tennessee - Telehandlers are commonly known by a variety of names such as Cherry pickers, telescopic handlers, boom lifts and teleporters. These machines are utilized in agriculture and many different industries. Similar to a crane and a forklift as it has a boom allowing it to extend forwards and upwards. Many different attachments can be used at the end of the articulating boom to facilitate a wide number of jobs. Popular attachments include a muck grab, bucket, winch or pallet forks. 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 transported from trailers and placed on racking, rooftops or other difficult to reach locations. Often, high rooftop locations would need a crane although, telehandlers can accomplish these tasks much more efficiently. It isn't always practical or affordable to rely on a crane or secondary machinery to complete the job. A bucket grab or a bucket is the most common attachments for telehandlers within the agricultural sector. Moving items from unreachable locations that cannot be completed with a backhoe loader or wheeled loader give telehandlers a huge advantage. Telehandlers are beneficial for applications that would usually require a loading ramp or conveyor since they are capable of directly accessing trailers with high sides and hoppers. 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. Conversely, the main advantage of this machine doubles as its' largest limitation. The boom raises or extends with heavy loads, acting as a lever. Even with rear counterweights, this machine may become unstable from time to time; decreasing the lift capacity when the distance between the center of the load and the front of the wheels or the working radius increases. If the machine works as a single boom loader instead of using twin arms while carrying a large load, there is a chance that weakness can occur even in the most carefully designed units. 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. Raising the same piece of equipment 70 degrees could allow this machine with a five thousand pound lift capability and retracted boom to support up to ten thousand pounds. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. Newer telehandler models rely on computers and sensors to monitor the machine. When the telehandler limits have been surpassed, the operator is cut off and warned from supplying further control input. Front stabilizers that enhance the lifting capacity of the machine while stationary can make a huge difference. A mobile crane can also use a bucket is another option consisting of a stabilized rotary joint found between upper and lower frames. There are many models of telehandlers differing in size, weight, boom designs and reach. Telehandlers that weigh 11,000 pounds or less fall into the compact category. Compact units have a two-stage boom compared to larger machines that feature three or four boom designs. The compact model showcases a low pivot boom to allow better cab visibility for the operator while transporting loads. There are narrower and smaller dimensions offered with the compact telehandler. Compact telehandlers have a reach capacity ranging between 13 to 20 feet with a lift capacity ranging from 5k to 7k pounds. There are many different applications this machine is suitable for working in. This machine can be utilized for carrying tools or as a pick and place unit. This machine is often used in locations that are cramped and tight. It is common for contractors to use this machine during framing and for residential jobs where there are height restrictions. These units can be useful for accessing internal building locations. Compact telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. Agri-business and farming applications rely on telehandlers for a variety of 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 4-WD units are capable of having a tighter turning radius and can travel difficult terrain. Crab steering increases overall maneuvering and enables the front and back wheels to move 45 degrees to the left or the right. Compact telehandlers have varying cab environments. On the lower-end models, a rollover protective cage structure is in place for safety. Newer units come with windshield wipers, a defroster, a heater and a totally enclosed cab. All compact telehandler cabs are spacious to accommodate the operator as comfortable as possible. Extra amenities including air conditioning, satellite radio, suspension seats, tilt steering and cup holders are available. The numerous attachment options are facilitated with high-pressure and high-flow auxiliary hydraulics. These attachments increase the functions the machine is capable of. Compact machines conduct ground-engaging jobs. It is easy to enjoy the benefits of a mini excavator by adding a simple bucket attachment to the telehandler. Light and heavy-duty buckets can be used to move items, augers can plant trees or drill holes, rotating and side-shifting fork carriages facilitate pick-and-place, truss booms are in place for extending reach, sweeping brooms and crane hooks are other popular attachments. Skid steer attachments are being made for versatility and other compact telehandler designs.