

Telehandler / Zoom Boom

Used Telehandler Connecticut - Telehandlers go by many different names including a boom lift, telescopic handler, Cherry picker or teleporter. These machines are utilized in agriculture and many different industries. It is similar to a forklift and a crane as it has a boom, enabling it to extend upwards and forwards from the vehicle. Numerous attachments can be placed at the end of the articulating boom to conduct a variety of different jobs. Popular attachments include a muck grab, bucket, winch or pallet forks. The main telehandler attachment is the pallet forks. 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. Typically, high locations would traditionally require a crane; however, telehandlers can facilitate these tasks easily and 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 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. Relying on one piece of equipment to complete a variety of jobs saves time, money and storage. Telehandler machines can work in conjunction with a crane jib. Numerous attachments can be utilized including power booms, grain buckets, 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. 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. A machine with a 5K lb. capacity could safely lift 400 lbs. while fully extended using a retracted low boom angle. 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. There is a load chart on these machines to determine which tasks can be safely executed by taking the weight, angle and boom height 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. There are front stabilizers that can drastically enhance the machine's lifting capacity while it is stationary. Another option is a stabilizing rotary joint between lower and upper frames, often referred to as a mobile crane that can additionally utilize a bucket. There are compact telehandler models that differ in boom design, size, reach and weight. Telehandlers that weigh 11,000 pounds or less fall into 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. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports loads. 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. This machine is often used in locations that are cramped and tight. Residential services are often employed during framing and for jobs with height restrictions. Telehandlers can enter internal building access in hard-to-reach locations. 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 can be found with two and four-wheel drive and crab

steering capabilities. This machine can traverse longer distances with two-wheel drive at higher speeds to facilitate easy travel between worksites. Four-wheel drive units can travel over harder terrain while offering a tighter turning radius. Crab steering increases overall maneuvering and enables the front and back wheels to move 45 degrees to the left or the right. There are a variety of cab interior options available for compact telehandlers. There is a rollover protective cage to enhance safety on less expensive models. 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. Additional options including satellite radio, air conditioning, armrests, cup holders, suspension seats and tilt steering are available. Many high-pressure hydraulics and high-flow auxiliary hydraulics operate the numerous attachments. The different attachments allow the machine to be capable of many options. All of these attachments enable the machine to conduct a variety of jobs. Compact units are more commonly utilized for 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 options are made for compact telehandler designs and ultimate versatility.