

## Telehandler / Zoom Boom

Used Telehandler Rhode Island - 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. This machine functions similarly to a crane and a forklift with the ability to extend upward and forward. Many different attachments can be used at the end of the articulating boom to facilitate a wide number of jobs. Common attachments include pallet forks, a winch, a bucket or a muck grab. The most common 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 isn't always practical or affordable to rely on a crane or secondary machinery to complete the job. 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. Having one item to complete a variety of jobs saves time, money and storage space. Telehandlers commonly work alongside a crane jib. Various attachments may be used including rotators, dirt buckets, grain buckets and power booms. Agricultural models can be outfitted with power take-off and 3-point linkage, making the telehandler and exceptionally useful. Conversely, the main advantage of this machine doubles as its' largest limitation. The boom raises or extends with heavy loads, acting as 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 5000 lb. capacity telehandler could lift 400 lbs. safely while fully extended with a retracted boom in conjunction with a low boom angle. 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. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. Updated telehandler models have computers and sensors. 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. If the machine weighs in at eleven thousand pounds or less, it can be part of the compact category. A two-stage boom is a popular option for compact models whereas the three or four boom design is common for bigger machines. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports loads. There are narrower and smaller dimensions offered with the compact telehandler. The compact units offer a reach capacity between thirteen to twenty feet and a lifting capacity ranging from five thousand to seven thousand pounds. These versatile machines make the compact telehandler extremely popular. Telehandlers can function as a pick and place unit or a tool carrier. It is commonly utilized in spaces that are tight and cramped. 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 telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. Telehandlers are employed by agri-business and farming applications to complete many jobs. Telehandlers are made with two or four-wheel

drive as well as crab steering. The unit can travel over longer ranges at higher speeds with two-wheel drive, making it ideal for moving throughout job sites. Four-wheel drive units can travel over harder terrain while offering a tighter turning radius. Crab steering enhances the units' maneuverability while allowing each set of wheels to move forty-five degrees to the right or left. There are a variety of cab interior options available for compact telehandlers. On entry-level models, there is a rollover cage for added safety. Higher models come with a heater, a completely enclosed cab, defroster and windshield wiper. Operators enjoy spacious accommodation for ultimate comfort. 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. 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. Ground engaging work is often completed by compact units. Adding a bucket attachment can make a compact telehandler transform into a mini excavator. 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.