

Telehandler / Zoom Boom

Used Telehandler Virginia - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. 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. Common attachments include pallet forks, a winch, a bucket or a muck grab. 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. For instance, these industrial machines can directly access a hopper or trailer with high sides; applications that would otherwise rely on a conveyor, loading ramp or similar equipment. Having one item to complete a variety of jobs saves time, money and storage space. Telehandler units often work together with a crane jib. Many attachments can be used such as power booms, grain and dirt buckets and rotators. Agricultural models can be outfitted with power take-off and 3-point linkage, making the telehandler and exceptionally useful. However, the main advantage of the telehandler is additionally 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. 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. A 5000 lb. capacity telehandler could lift 400 lbs. safely while fully extended with a retracted boom in conjunction with a low boom angle. This unit with a 5000 lb. lift capability and retracted boom could support as much as ten thousand pounds after the boom is raised seventy degrees. 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. Newer telehandler models rely on computers and sensors to monitor the machine. The operator is warned and even cut off further control input once the limits of the telehandler are surpassed. There are front stabilizers that can drastically enhance the machine's lifting capacity while it is stationary. 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. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports loads. Obviously, the compact telehandler has narrower and tinier 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. Telehandlers can function as a pick and place unit or a tool carrier. 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 machines can facilitate internal building access. Compact telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. Farming and agri-business applications often rely on telehandlers to accomplish many tasks. Telehandlers come with crab steering or two or four-wheel drive options. 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 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. 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. Many high-pressure hydraulics and high-flow auxiliary hydraulics operate the numerous attachments. These attachments increase the functions the machine is capable of. Compact machines conduct ground-engaging jobs. 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 options are made for compact telehandler designs and ultimate versatility.