

Telehandler / Zoom Boom

Used Telehandler New Jersey - 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 main telehandler attachment is the pallet forks. They allow the operator to transport loads to and from locations that are considered unreachable with a regular forklift. Telehandlers allow cargo pallets to be loaded and unloaded from a trailer and placed on high locations such as racking or rooftops. 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. A bucket or bucket grab is the most popular telehandler attachment in the agricultural industry. 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. Telehandlers commonly work alongside a crane jib. Many attachments can be used such as power booms, grain and dirt buckets and rotators. The agricultural models can use three-point linkage and power take-off to make telehandlers multi-tasking. However, the main advantage of the telehandler is additionally 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. 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. 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. A stabilizing rotary joint between the upper and lower frames may be called a mobile crane that can use 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 units have a two-stage boom compared to larger machines that feature three or four boom designs. 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. 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. 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 units are popular in multi-story construction, nurseries, strip malls, landscaping, masonry, garage facilities and erecting steel among other applications. Farming and agri-business applications often rely on telehandlers to accomplish many tasks. Telehandlers are made with two or four-wheel drive as well as crab steering. 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 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. There is a rollover protective cage to enhance safety on less expensive models. Higher-end models are equipped with a fully enclosed cab, a heater, windshield wiper and defroster. Compact units feature spacious cab accommodations to keep operators totally comfortable. Additional options including satellite radio, air conditioning, armrests, cup holders, suspension seats and tilt steering 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. Ground engaging work is often completed by compact units. 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.