

## Telehandler / Zoom Boom

Used Telehandler Escondido - 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. This machine functions similarly to a crane and a forklift with the ability to extend upward and forward. The operator can utilize a variety of attachments at the end of the articulating boom to complete different jobs. Different attachments such as a bucket, pallet forks, a muck grab or a winch can help the machine complete many jobs. The pallet forks are the most popular telehandler attachment. 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. 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. 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. Telehandler units often work together with 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. 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 machine with a 5K lb. capacity could safely lift 400 lbs. while fully extended using a retracted 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. 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. Front stabilizers that enhance the lifting capacity of the machine while stationary can make a huge difference. 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. The compact model showcases a low pivot boom to allow better cab visibility for the operator while transporting loads. Compact models are skinnier and have thinner dimensions. The reach capacity for compact units is between thirteen to twenty feet and these units offer a lift capacity from five to seven thousand pounds. The versatility of the compact telehandler makes it popular in a variety of applications. It may be used as a tool carrier or a pick and place machine. 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. 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. 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. 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 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 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. 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. 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-duty to heavy-duty buckets can be attached for transferring material, side-shifting and rotating fork carriages are relied on for pick and place situations, augers for drilling post holes or planting trees or pier supports, truss booms for extending reach, crane hooks, brooms for sweeping and more. Skid steer options are made for compact telehandler designs and ultimate versatility.