

## Telehandler / Zoom Boom

Used Telehandler Bellevue - Telehandlers are commonly known by a variety of names such as Cherry pickers, telescopic handlers, boom lifts and teleporters. This industrial machine is commonly used in a variety of industries and in agriculture. This machine functions similarly to a crane and a forklift with the ability to extend upward and forward. Numerous attachments can be placed at the end of the articulating boom to conduct a variety of different jobs. Different attachments such as a bucket, pallet forks, a muck grab or a winch can help the machine complete many jobs. The most common telehandler attachment is the pallet forks. Pallet forks enable the operator to move loads to and from a variety of locations that would otherwise be considered unreachable with a standard forklift. These machines enable cargo pallets to be unloaded and loaded from a trailer and placed on rooftops, racking or other high and hard to access locations. Often, high rooftop locations would need a crane although, telehandlers can accomplish these tasks much more efficiently. Of course, it isn't always affordable or practical to use secondary equipment or a crane to complete certain tasks. 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 can directly access trailer units with high sides, hoppers or applications that would typically need a conveyor or loading ramp. 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. 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. Interestingly enough, the machines' main advantage is also its' biggest 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. 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. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. There are sensors and computers available on newer models. The operator is warned and even cut off further control input once the limits of the telehandler are surpassed. The lifting capacity is enhanced by front stabilizers that maximize the lifting capacity from a stationary position. A mobile crane can also use a bucket is another option consisting of a stabilized rotary joint found between upper and lower frames. There are compact telehandler models that differ in boom design, size, reach and weight. Telehandlers fall into the compact category if the unit weighs in at 11,000 lbs. or less. 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. There are narrower and smaller dimensions offered with the compact telehandler. 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. There are many different applications this machine is suitable for working in. It may be used as a tool carrier or a pick and place machine. 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 machines can facilitate internal building access. 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. The

unit can travel over longer ranges at higher speeds with two-wheel drive, making it ideal for moving throughout job sites. 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. Operators enjoy spacious accommodation for ultimate comfort. Additional features such as cup holders, air conditioning, tilt steering, suspension seats and satellite radio are all options. 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. Compact machines conduct ground-engaging jobs. It is easy to enjoy the benefits of a mini excavator by adding a simple bucket attachment to the telehandler. 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, booms for sweeping and more. Skid steer attachments are being manufactured for certain compact telehandler designs for even more versatility.