

Telehandler / Zoom Boom

Used Telehandler New Mexico - Telehandlers go by many different names including a boom lift, telescopic handler, Cherry picker or teleporter. This industrial equipment is commonly used in a variety of industries including 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 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. Normally, high rooftop applications would require the use of a crane; however, telehandlers can complete this task more efficiently. Of course, it isn't always affordable or practical to use secondary equipment or a crane to complete certain 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 can directly access trailer units with high sides, hoppers or applications that would typically need a conveyor or loading ramp. 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. Three-point linkage and power take-off can be used with agricultural models to make this machine particularly capable. Conversely, the main advantage of this machine doubles as 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. 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. For instance, a telehandler with a five thousand pound capacity may be capable of safely lifting as little as four hundred pounds fully extended with a low boom angle with a retracted boom. Raising the same piece of equipment 70 degrees could allow this machine with a five thousand pound lift capability and retracted boom to support up to ten thousand pounds. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. Newer telehandler models rely on computers and sensors to monitor the machine. When the telehandler limits have been surpassed, the operator is cut off and warned from supplying further 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 fall into the compact category if the unit weighs in at 11,000 lbs. or less. Compact models feature a two- stage boom design in comparison to the three or four boom design that is common with larger units. 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. This machine can be utilized for carrying tools or as a pick and place unit. This machine is often used in locations that are cramped and tight. Residential services are often employed during framing and for jobs with 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. Agri-business and farming applications rely on telehandlers for a variety of jobs. 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 4-WD units are capable of having a tighter turning radius and can travel difficult terrain. Crab steering enhances the units' maneuverability while allowing each set of wheels to move forty-five degrees to the right or left. Compact telehandlers have varying cab environments. On entry-level models, there is a rollover cage for added safety. Higher-end models are equipped with a fully enclosed cab, a heater, windshield wiper and defroster. 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. Different high-flow auxiliary hydraulics and high-pressure hydraulics run the variety of attachments. 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 units are more commonly utilized for ground engaging jobs. It is easy to enjoy the benefits of a mini excavator by adding a simple bucket attachment to the telehandler. There are popular attachments including brooms for sweeping, truss booms for extended reach, side-shifting and rotating fork carriages, heavy and light-duty buckets, augers for planting trees or digging holes and many items. Skid steer attachments are being manufactured for certain compact telehandler designs for even more versatility.