

Telehandler / Zoom Boom

Used Telehandler Tempe - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. 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. 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. 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. 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. Relocating items from hard to reach areas that cannot rely on a wheeled loader or a backhoe loader give telehandlers a significant advantage. 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. Numerous attachments can be utilized including power booms, grain buckets, 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. The boom raises or extends with heavy loads, acting as 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. 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. These machines are equipped with a load chart to help outline which tasks are safely possible. These charts take the boom height, angle and weight into account. There are sensors and computers available on newer models. 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. Another option is a stabilizing rotary joint between lower and upper frames, often referred to as a mobile crane that can additionally utilize a bucket. There are many models of telehandlers differing in size, weight, boom designs and reach. Telehandlers fall into the compact category if the unit weighs in at 11,000 lbs. or less. A two-stage boom is a popular option for compact models whereas the three or four boom design is common for bigger machines. The compact model showcases a low pivot boom to allow better cab visibility for the operator while transporting loads. Obviously, the compact telehandler has narrower and tinier dimensions. The compact units offer a reach capacity between thirteen to twenty feet and a lifting capacity ranging from five thousand to seven thousand pounds. The versatility of the compact telehandler makes it popular in a variety of applications. This machine can be utilized for carrying tools or as a pick and place unit. It is commonly utilized in spaces that are tight and cramped. Residential applications are common as contractors relish their useful nature with framing applications and where height restrictions come into play. These machines can facilitate internal building access. Compact telehandlers are used in many applications including nurseries, erecting steel, multi-story construction, masonry, strip malls, garages and similar jobs. 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 is responsible for the increased maneuverability, allowing the front and rear wheels to shift forty-five degrees to the right or left. Compact telehandlers have numerous cab environments to choose from. There is a rollover protective cage to enhance safety on less expensive models. 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. Different high-flow auxiliary hydraulics and high-pressure hydraulics run the variety of attachments. 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-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.