

Telehandler / Zoom Boom

Used Telehandler Antioch - 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. Many different attachments can be used at the end of the articulating boom to facilitate a wide number of 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. Relocating items from hard to reach areas that cannot rely on a wheeled loader or a backhoe loader give telehandlers a significant advantage. 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. 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. Three-point linkage and power take-off can be used with agricultural models to make this machine particularly capable. Interestingly enough, the machines' main advantage is also its' biggest limitation. The boom acts as a lever when it extends or raises with heavy loads. 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. 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. 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. 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 mobile crane can also use a bucket is another option consisting of a stabilized rotary joint found between upper and lower frames. Compact telehandler models are available in a variety of different weights, reach, sizes and boom designs. If the machine weighs in at eleven thousand pounds or less, it can be part of the compact category. Compact units have a two-stage boom compared to larger machines that feature three or four boom designs. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports loads. 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 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. Agri-business and farming applications rely on telehandlers for a

variety of jobs. Telehandlers can be found with two and four-wheel drive and crab steering capabilities. The unit can travel over longer ranges at higher speeds with two-wheel drive, making it ideal for moving throughout job sites. Four-wheel drive units can travel over harder terrain while offering 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. On the lower-end models, a rollover protective cage structure is in place for safety. Higher models come with a heater, a completely enclosed cab, defroster and windshield wiper. Compact units feature spacious cab accommodations to keep operators totally comfortable. Additional features such as cup holders, air conditioning, tilt steering, suspension seats and satellite radio are all options. Many high-pressure hydraulics and high-flow auxiliary hydraulics operate the numerous attachments. These attachments increase the functions the machine is capable of. Compact units are more commonly utilized for ground engaging jobs. 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 attachments are being manufactured for certain compact telehandler designs for even more versatility.