

Telehandler / Zoom Boom

Used Telehandler San Diego - 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. 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 transported from trailers and placed on racking, rooftops or other difficult to reach locations. Normally, high rooftop applications would require the use of a crane; however, telehandlers can complete this task more efficiently. It isn't always practical or affordable to rely on a crane or secondary machinery to complete the job. Within agriculture, the bucket or bucket grab is among the most popular attachments. 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. Telehandlers commonly work alongside a crane jib. Various attachments may be used including rotators, dirt buckets, grain buckets and power booms. 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. When raising or extending with heavy loads, the boom functions similar to 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. A machine with a 5K lb. capacity could safely lift 400 lbs. while fully extended using a retracted low boom angle. 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. 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. 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. 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. Telehandlers can function as a pick and place unit or a tool carrier. 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. These units can be useful for accessing internal building locations. Compact telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. 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. The four-wheel drive models offer the ability to traverse more difficult terrain and provide 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. Compact telehandlers have varying cab environments. There is a rollover protective cage to enhance safety on less expensive models. Higher-end models are equipped with a fully enclosed cab, a heater, windshield wiper and defroster. All compact telehandler cabs are spacious to accommodate the operator as comfortable as possible. 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. These attachments increase the functions the machine is capable of. 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 attachments are being manufactured for certain compact telehandler designs for even more versatility.