

Telehandler / Zoom Boom

Used Telehandler Eugene - 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. The operator can utilize a variety of attachments at the end of the articulating boom to complete different jobs. Common attachments include pallet forks, a winch, a bucket or a muck grab. The pallet forks are the most popular telehandler attachment. 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. 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. 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. Using one machine to finish numerous jobs saves storage space, money and time. Telehandler machines can work in conjunction with 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. 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. A 5000 lb. capacity telehandler could lift 400 lbs. safely while fully extended with a retracted boom in conjunction with a low boom angle. 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. 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. Compact telehandler models are available in a variety of different weights, reach, sizes and boom designs. 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. Compact models are skinnier and have thinner 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. These versatile machines make the compact telehandler extremely popular. Telehandlers can function as a pick and place unit or a tool carrier. 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 units can be useful for accessing internal building locations. 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 can be found with two and four-wheel drive and crab steering capabilities. This machine can traverse longer distances with two-wheel drive at higher speeds to facilitate easy travel between worksites. 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. There are a variety of cab interior options available for compact telehandlers. There is a rollover protective cage to enhance safety on less expensive models. 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. 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. Ground engaging work is often completed by compact units. Adding a bucket attachment can make a compact telehandler transform into a mini excavator. 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 options are made for compact telehandler designs and ultimate versatility.