

Telehandler / Zoom Boom

Used Telehandler Murrieta - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. This industrial equipment is commonly used in a variety of industries including agriculture. It is similar to a forklift and a crane as it has a boom, enabling it to extend upwards and forwards from the vehicle. 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 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 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. 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. Moving items from unreachable locations that cannot be completed with a backhoe loader or wheeled loader give telehandlers a huge 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 machines can work in conjunction with a crane jib. Numerous attachments can be utilized including power booms, grain buckets, dirt buckets and rotators. The agricultural models can use three-point linkage and power take-off to make telehandlers multi-tasking. 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. 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. If the machine works as a single boom loader instead of using twin arms while carrying a large load, there is a chance that weakness can occur even in the most carefully designed units. 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. 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. Front stabilizers that enhance the lifting capacity of the machine while stationary can make a huge difference. 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. 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. Compact models feature a two- stage boom design in comparison to the three or four boom design that is common with larger units. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports 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. The versatility of the compact telehandler makes it popular in a variety of applications. It may be used as a tool carrier or a pick and place machine. Compact units are ideal for cramped locations. Residential services are often employed during framing and for jobs with 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. Telehandlers are employed by agri-business and farming applications to complete many jobs. Telehandlers are made with two or four-wheel drive as well as crab steering. This machine can traverse longer distances with two-wheel drive at higher speeds to facilitate

easy travel between worksites. Four-wheel drive units can travel over harder terrain while offering 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. On the lower-end models, a rollover protective cage structure is in place for safety. Newer units come with windshield wipers, a defroster, a heater and a totally enclosed cab. Compact units feature spacious cab accommodations to keep operators totally comfortable. Extra amenities including air conditioning, satellite radio, suspension seats, tilt steering and cup holders are available. Many high-pressure hydraulics and high-flow auxiliary hydraulics operate the numerous attachments. These attachments increase the functions the machine is capable of. Compact machines conduct ground-engaging jobs. It is simple to transform a compact telehandler into a mini excavator with a bucket attachment. 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.