

## **Telehandler / Zoom Boom**

Used Telehandler Inglewood - 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. 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. Popular attachments include a muck grab, bucket, winch or pallet forks. 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. Typically, high locations would traditionally require a crane; however, telehandlers can facilitate these tasks easily and 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. For instance, these industrial machines can directly access a hopper or trailer with high sides; applications that would otherwise rely on a conveyor, loading ramp or similar equipment. 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. 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. 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 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. There is a load chart on these machines to determine which tasks can be safely executed by taking the weight, angle and boom height 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. 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. If the machine weighs in at eleven thousand pounds or less, it can be part of the compact category. A two-stage boom is a popular option for compact models whereas the three or four boom design is common for bigger machines. 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. Compact telehandlers have a reach capacity ranging between 13 to 20 feet with a lift capacity ranging from 5k to 7k 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. 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. Telehandlers are employed by agri-business and farming applications to complete many 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 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 varying cab environments. 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 options including satellite radio, air conditioning, armrests, cup holders, suspension seats and tilt steering are available. The numerous attachment options are facilitated with high-pressure and high-flow auxiliary hydraulics. 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. 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.