

## Telehandler / Zoom Boom

Used Telehandler Kent - Telehandlers go by many different names including a boom lift, telescopic handler, Cherry picker or teleporter. This industrial machine is commonly used in a variety of industries and in 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. 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. 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. Telehandlers can directly access trailer units with high sides, hoppers or applications that would typically need a conveyor or loading ramp. 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. 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. 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. 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. Updated telehandler models have computers and sensors. The operator is warned and even cut off further control input once the limits of the telehandler are surpassed. The lifting capacity is enhanced by front stabilizers that maximize the lifting capacity from a stationary position. 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. There are compact telehandler models that differ in boom design, size, reach and weight. Telehandlers that weigh 11,000 pounds or less fall into the compact category. Compact units have a two-stage boom compared to larger machines that feature three or four boom designs. The compact model showcases a low pivot boom to allow better cab visibility for the operator while transporting 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. These versatile machines make the compact telehandler extremely popular. 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. 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. 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 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. There is a rollover protective cage to enhance safety on less expensive models. Newer units come with windshield wipers, a defroster, a heater and a totally enclosed cab. 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. 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. It is easy to enjoy the benefits of a mini excavator by adding a simple bucket attachment to the telehandler. 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 attachments are being manufactured for certain compact telehandler designs for even more versatility.