• Maximum Vertical Reach: 120'/36.6 m
• Working Area: 360 Degrees
• Lifting Capacity: 36,000 lbs/16,329 kg
• Boom Length: 70'/21.3 m
• Crane Weight (Dry): 16,235 lbs/7,364 kg
• Jib Lengths: 23', 23-40'/7 m, 7-12 m
• Winch Bare Drum Pull: 12,800 lbs/5,806 kg

• Powered Boom Sections: 3
• Overall Height: 12'10"/3.9 m
• Operator Controls: Rotating Single Seat
• Outrigger Type Front: Out-Down
• Outrigger Spread Front: 17'6"/5.3 m
• Outrigger Type Rear: Out-Down
• Outrigger Spread Rear: 17'6"/5.3 m
**TECHNICAL SPECIFICATIONS**

- **Crane Capacity:** 36,000 lbs at five feet load radius.
- **Maximum Tip Height:** 80’ height (120’ with optional 40’ jib)
- **Control Console:** Rotating single seat control station on street side of crane equipped with four single axis control levers for the main crane controls and two grip strut steps for access. Operator station includes adjustable operator seat, LMI display, bubble level gauge, engine start/stop switch, signal horn button, variable speed foot throttle, lifting capacity chart, range diagram chart, boom angle indicator, system pressure gauge, 12V DC power source, and cup holder. Outrigger controls mounted at rear under each corner of bed.
- **Boom:** Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 80’ mounted on a truck. The boom nose contains one floating upper sheave and two lower sheaves. Assembly includes heavy-duty cylinder fittings, pivot pins, and replaceable wear pads.
- **Winch:** Mounted at the base of the boom for a long fleet angle and flat level spooling of cable. Winch is driven by a planetary reducer and powered by a hydraulic motor. Burst-of-speed winch provides increased line speed. The winch brake is spring applied, pressure release design. Supplied with 275’ of 9/16” wire rope with a single line pull of 9,600 pounds, and a downhaul ball with swivel hook for single part line.
- **Load Moment Indicator System:** System senses hoist cylinder pressures, boom length and boom angle with hydraulic function lockout. The display console is equipped with a bar graph showing crane utilization, boom angle or boom length, a mode select controls for main boom and jib operation, and an anti-two block with an audio/visual warning and shut-off functions to limit hook-boom point contact.
- **Outriggers:** Two sets of out and down main outriggers with a 176” span, ball-socket removable aluminum outrigger pads and independent outrigger controls.
- **Frame:** Full length, all welded rigid 4-plate design sub-frame. Sub-frame allows for bolt-on addition of 18’ bed.
- **Turret:** Reverse offset turret is one-piece weldment. Turret rotates on large diameter ball bearing.
- **Rotation:** Hydraulic motor drives turret through double reduction planetary swing drive for continuous rotation. The swing drive system has a spring applied, pressure release brake.
- **Lift:** One double-acting long stroke cylinder provides smooth and stable boom elevation. Holding valve prevents boom from falling in event of hose failure.
- **Boom Extension:** Incorporates a single double-acting hydraulic extension cylinder, attached to the largest boom section, with a proportional cable extension system driving the outermost section.
- **Hoses:** All high pressure hoses are wire braid reinforced with a minimum safety factor of 4 to 1.
- **Cylinders:** All cylinders use microhoned cylinder tubing, chrome shafts, top grade packing and protective rod wipers. Cylinder-mounted holding valves provided on all load-holding cylinders.
- **Hydraulic System:** Equipped with cable-shift PTO, three-section gear pump, SAE O-ring face seals on pressure lines, and a 10-micron return line filter. The control valve distributes all flow to hoist system, swing circuit, and other crane functions. System is open center type.
- **Oil Tank Capacity:** 70 gallon mounted to truck frame on roadside.
- **Cab Equipment:** PTO cable or switch with indicator lights installed in truck cab. U/L approved 5:BC dry chemical fire extinguisher installed in truck cab.
- **Operators Manual & Video:** Two CD copies and one hard copy of operation, maintenance, safety and parts manual provided with each unit. Operational and safety video provided at delivery.
- **Installation:** Unit installed on chassis, painted, system and tank filled with oil, tested, inspected, and ready to operate.
- **Standard Paint:** Paint turret and boom white, outriggers red, and bed and boxes black.
- **Bumper:** Bureau of Motor Carrier Safety rear bumper.
- **Weight:** Approximately 16,235 lbs. with 18’ steel-floor bed less truck.
- **Truck Chassis Required:** Approx. 157” C.A. RBM 1,463,000 in-lb. per rail, 13,000 lb. front axle and 33,000 lb. GVWR required. Trucks must have 12V electrical system with high capacity alternator, cab clearance stop/tail/backup lights, and I.D. lamps. Recommended GVWR is minimum for BoomTruck with flatbed only. Contact factory when additional equipment is to be added.
- **Options:**
  - 23’ Fixed or 40’ Telescopic Jib.
  - Radio Remote Controls.
  - 1 or 2 Person Gravity Level Steel Basket.
  - Rotation Resistant Wire Rope.
  - Hydraulic Tool Circuits on Bed.
  - Much More...

Elliott Equipment Company reserves the right to change the specification of any unit at any time without prior notice. This brochure is only a statement of general specifications on the date of this publication. For more detailed info on specific Elliott trucks go to www.elliottequip.com
Radio Remote Control
Interference protected radio remotes let you get closer to your work and have full control over your machine.

Pin-On Jib Attachments
One piece & two piece telescoping or fixed jibs that stow on the side of the boom for easy placement while on the worksite.

Hydraulic Oil Cooler
Add a bed-mounted hydraulic oil cooler and fan to assist with high duty cycle job applications. A “must” for hot weather environments.

Custom Paint
Choose from a wide list of high quality paint applications including Elliott’s standard white or red paint, metallic paints, or multiple colors.

Tool Boxes
Optional tool boxes and bed storage can accommodate any storage need for tools, work materials and more.

Hook Block for Multi-Part Line
Elliott can install a 2-3 part hook block or a 4 part-hook block to improve lifting capabilities. The block can be stored at the rear of the bed.

Gravity Leveled Basket
Elliott’s pin-on work platform pins onto the boom for easy installation and removal. Gravity leveling and mechanical rotation makes it a great accessory for any worksite.

Body Mounted Hose Reels and Circuits
Let us work with you to customize your tool compatibility by adding hose reels or hydraulic circuits to the crane bed.

CHASSIS SPECIFICATIONS

<table>
<thead>
<tr>
<th>1870CP BoomTruck</th>
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</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
</tr>
<tr>
<td>224” / 569 cm</td>
</tr>
<tr>
<td>Cab to Axle (CA)</td>
</tr>
<tr>
<td>157” / 399 cm</td>
</tr>
<tr>
<td>Cab to End of Frame (EOF)</td>
</tr>
<tr>
<td>247” / 627 cm</td>
</tr>
<tr>
<td>Frame Section Modulus</td>
</tr>
<tr>
<td>13.3 in3-110,000 psi</td>
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<tr>
<td>Front Axle Gross Weight Rating</td>
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<tr>
<td>13,000 lb / 5,896 kg</td>
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<tr>
<td>Rear Axle Gross Weight Rating</td>
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<tr>
<td>20,000 lb / 9,072 kg</td>
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<tr>
<td>Integral Front Frame Rails</td>
</tr>
<tr>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Chassis data is minimum general requirements not for engineering. Actual dimensions and truck data will depend on truck selection and axle configuration. *Minimum chassis weight is required to meet 85% stability requirements.