



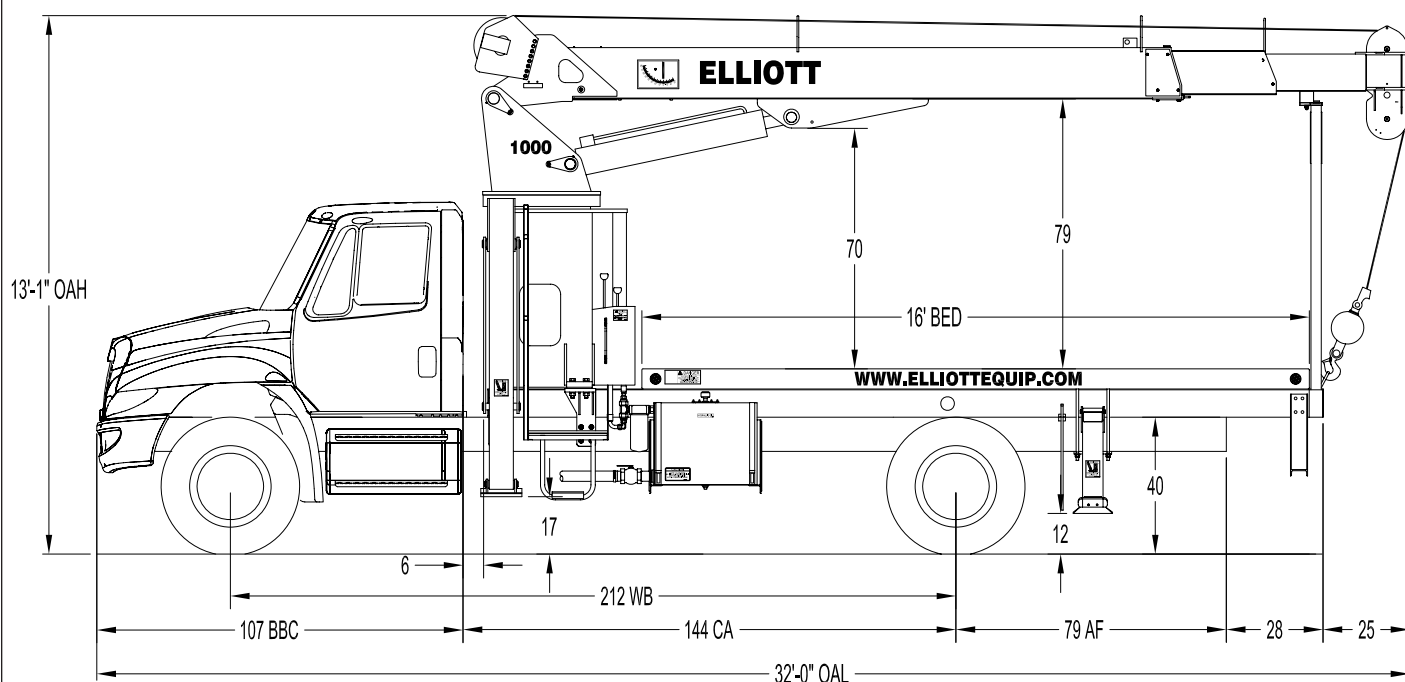
BoomTruck™

1039F

TECHNICAL SPECIFICATIONS



1039F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 49'15 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 20,000 lbs/9,072 kg
- **Boom Length** 39'11.9 m
- **Crane Weight (Standard)** 12,740 lbs/5,779 kg
- **Jib Lengths** N/A
- **Winch Bare Drum Pull** 12,800 lbs/5,806 kg

- **Powered Boom Sections** 3
- **Overall Height** 13'1"/4 m
- **Operator Controls** Dual Standup
- **Outrigger Type Front** "A" Link
- **Outrigger Spread Front** 17'7"/5.3 m
- **Outrigger Type Rear** "A" STAB
- **Outrigger Spread Rear** 10'4"/3.1 m



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**BOOMTRUCK - 1039F****TECHNICAL SPECIFICATIONS****TECHNICAL SPECIFICATIONS**

Crane Capacity: 20,000 lbs at five feet load radius.

Maximum Tip Height: 49' height.

Control Console: Dual standup operator control stations on turret equipped with four single axis control levers for the main crane controls at each station. Operator stations include 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. Independent outrigger and stabilizer controls.

Boom: Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 49' 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" diameter 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: One set of "A" frame link

type outriggers mounted at turret box with 17'7" span. One set of "A" type underslung rear stabilizers with 10'4" span.

Frame: Full length, all welded rigid 4-plate design sub-frame. Sub-frame allows for bolt-on addition of a 16' flatbed body.

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 2-stage hydraulic extension cylinder, attached to the largest boom section, with a proportional cable extension system driving the outermost sections.

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 PTO, 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 below the flatbed.

Cab Equipment: PTO 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 black.

Bumper: Bureau of Motor Carrier Safety rear bumper.

Weight: Approximately 14,665 lbs. with 16' flatbed less truck.

Truck Chassis Required: Approx. 144" C.A. RBM 1,100,000 in-lb. per rail, 10,000 lb. front axle and 25,999 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:

Front Center Stabilizer for 360 Degree Area of Operation.

Continuous 360 Rotation.

4 or 5-Function Radio Remote Controls.

1 or 2-Person Gravity Leveled Steel Basket.

SuperLink "A" Outriggers for Short Jacking.

15-ton Hook Block for 2 & 3 Part Line.

Hydraulic Oil Cooler with Fan.

Boom-Mounted Hose Reel.

Much More...

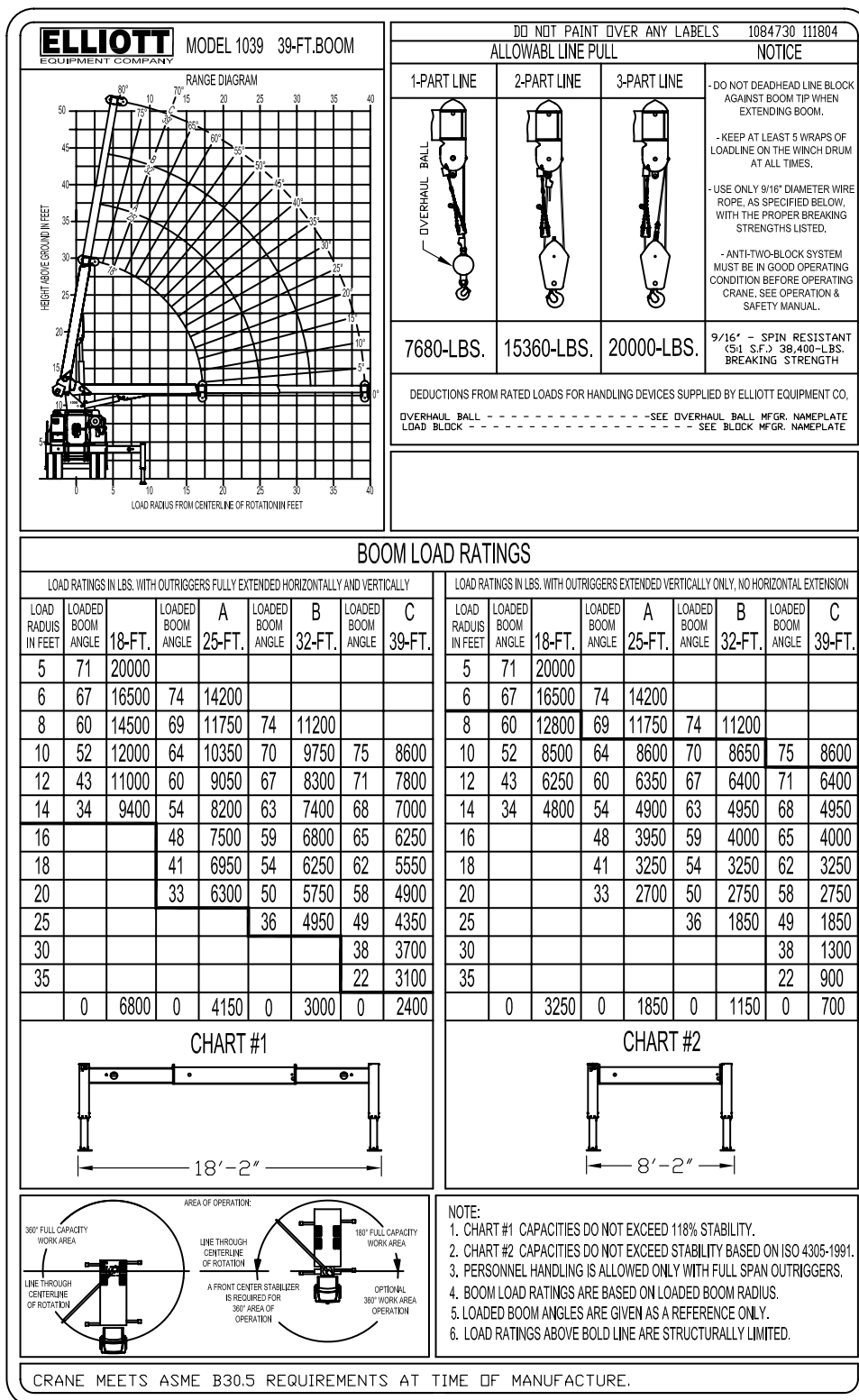
Elliott Equipment Company reserves the right to change the specification of any unit at any time without prior notice. This brochure is only a statement of general specifications on the date of this publication. For more detailed info on specific Elliott trucks go to www.elliottequip.com



BOOMTRUCK - 1039F

TECHNICAL SPECIFICATIONS

MAXIMUM LIFTING AND RANGE CAPABILITIES



**BOOMTRUCK - 1039F****TECHNICAL SPECIFICATIONS****TRUCK CHASSIS SPECIFICATIONS**

	1039F BoomTruck
Wheelbase (WB)	212" / 538 cm
Cab to Axle (CA)	144" / 366 cm
Cab to End of Frame (AF)	251" / 637 cm
Frame Section Modulus	10.0 in3-110,000 psi / 164 cm3-758,428 kPa
Front Axle Gross Weight Rating	10,000 lb / 4,536 kg
Rear Axle Gross Weight Rating	19,000 lb / 8,618 kg
Integral Front Frame Rails	Required for Front Stabilizer

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.

OPTIONS**Radio Remote Control**

Interference protected radio remotes let you get closer to your work and have full control over your machine.

**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.

**Hydraulic Oil Cooler**

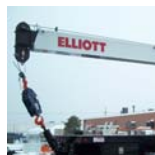
Add a bed-mounted hydraulic oil cooler and fan to assist with high duty cycle job applications. A "must" for hot weather environments

**SuperLink Outriggers™**

"Short-jack" with SuperLink Outriggers that deploy straight down by simply removing a pin, making it possible to work over the opposite side with a reduced outrigger spread.

**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 to improve lifting capabilities. The block can be stored in a holder on the rear of the bed.

**Gravity Leveled Basket**

Elliott's work platforms pin onto the boom for easy installation and removal. Gravity leveling and mechanical rotation make them 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.