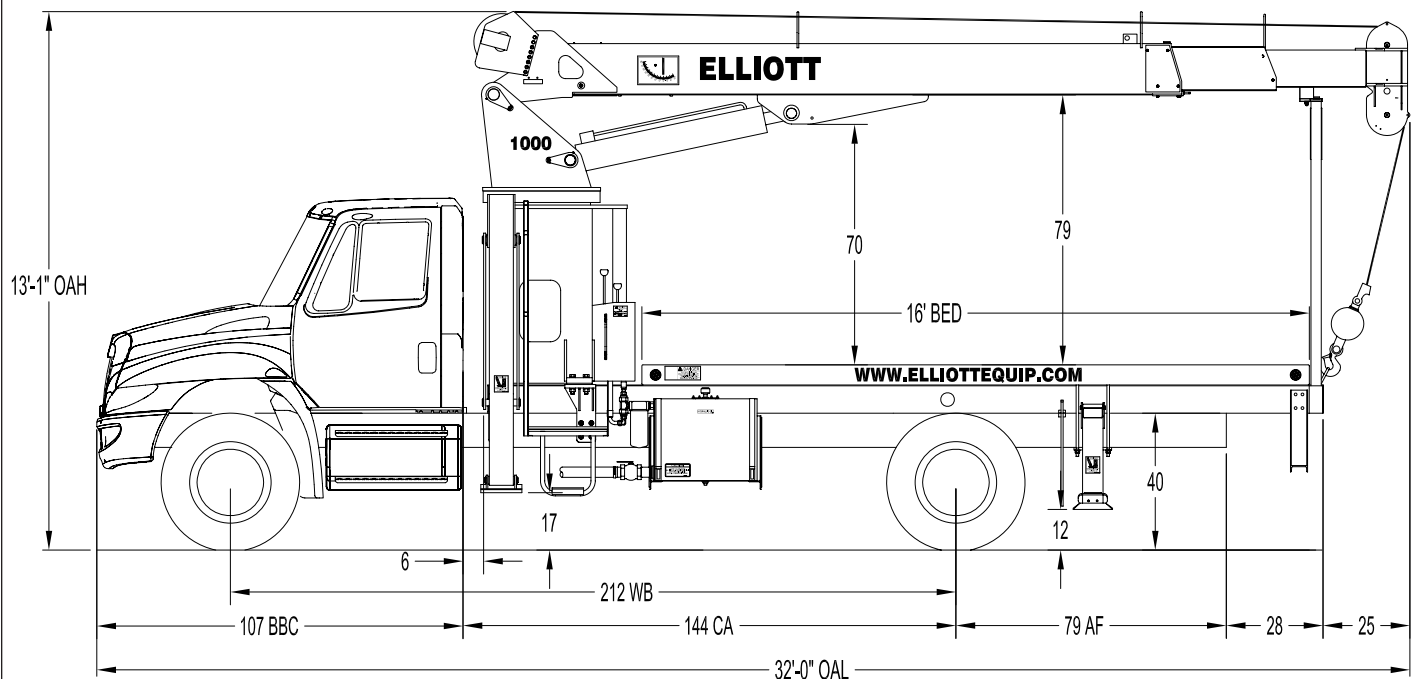


1039F SIDE VIEW DIAGRAM



- | | | | |
|----------------------------------|--------------------------------------|---------------------------------|-------------------------------------|
| • Maximum Vertical Reach | 49' ⁷ / ₁₅ m | • Powered Boom Sections | 3 |
| • Working Area | 180 Degrees Standard (360 Optional) | • Overall Height | 13' ¹ / ₄ m |
| • Lifting Capacity | 20,000 lbs/9,072 kg | • Operator Controls | Dual Standup |
| • Boom Length | 39' ⁷ / _{11.9} m | • Outrigger Type Front | "A" Link |
| • Crane Weight (Standard) | 12,740 lbs/5,779 kg | • Outrigger Spread Front | 17' ⁷ / _{5.3} m |
| • Jib Lengths | N/A | • Outrigger Type Rear | "A" STAB |
| • Winch Bare Drum Pull | 12,800 lbs/5,806 kg | • Outrigger Spread Rear | 10' ⁴ / _{3.1} m |

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.

Continous 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

MAXIMUM LIFTING AND RANGE CAPABILITIES


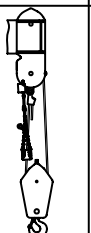
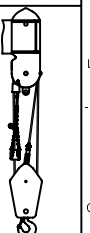


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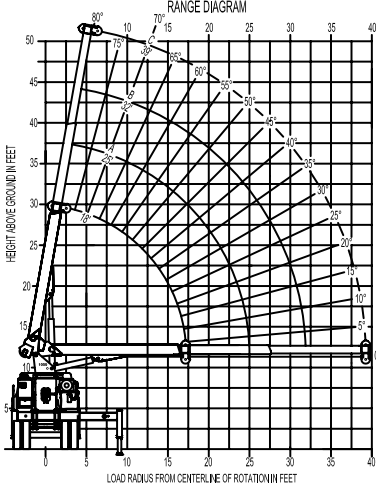
MODEL 1039 39-FT. BOOM

DO NOT PAINT OVER ANY LABELS 1084730 111804

ALLOWABLE LINE PULL NOTICE

1-PART LINE	2-PART LINE	3-PART LINE	<p>- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM.</p> <p>- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES.</p> <p>- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED.</p> <p>- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL.</p>
			
7680-LBS.	15360-LBS.	20000-LBS.	<p>9/16" - SPIN RESISTANT (5:1 S.F.) 38,400-LBS. BREAKING STRENGTH</p>

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO.
OVERHAUL BALL ----- SEE OVERHAUL BALL MFR. NAMEPLATE
LOAD BLOCK ----- SEE BLOCK MFR. NAMEPLATE



RANGE DIAGRAM

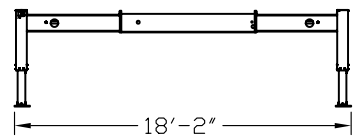
HEIGHT ABOVE GROUND IN FEET

LOAD RADIUS FROM CENTERLINE OF ROTATION IN FEET

BOOM LOAD RATINGS

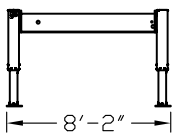
LOAD RATINGS IN LBS. WITH OUTRIGGERS FULLY EXTENDED HORIZONTALLY AND VERTICALLY								LOAD RATINGS IN LBS. WITH OUTRIGGERS EXTENDED VERTICALLY ONLY, NO HORIZONTAL EXTENSION										
LOAD RADIUS IN FEET	LOADED BOOM ANGLE	18-FT.	LOADED BOOM ANGLE	A 25-FT.	LOADED BOOM ANGLE	B 32-FT.	LOADED BOOM ANGLE	C 39-FT.	LOAD RADIUS IN FEET	LOADED BOOM ANGLE	18-FT.	LOADED BOOM ANGLE	A 25-FT.	LOADED BOOM ANGLE	B 32-FT.	LOADED BOOM ANGLE	C 39-FT.	
5	71	20000							5	71	20000							
6	67	16500	74	14200					6	67	16500	74	14200					
8	60	14500	69	11750	74	11200			8	60	12800	69	11750	74	11200			
10	52	12000	64	10350	70	9750	75	8600	10	52	8500	64	8600	70	8650	75	8600	
12	43	11000	60	9050	67	8300	71	7800	12	43	6250	60	6350	67	6400	71	6400	
14	34	9400	54	8200	63	7400	68	7000	14	34	4800	54	4900	63	4950	68	4950	
16			48	7500	59	6800	65	6250	16			48	3950	59	4000	65	4000	
18			41	6950	54	6250	62	5550	18			41	3250	54	3250	62	3250	
20			33	6300	50	5750	58	4900	20			33	2700	50	2750	58	2750	
25					36	4950	49	4350	25					36	1850	49	1850	
30							38	3700	30							38	1300	
35								22	3100	35							22	900
	0	6800	0	4150	0	3000	0	2400		0	3250	0	1850	0	1150	0	700	

CHART #1

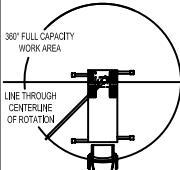


18'-2"

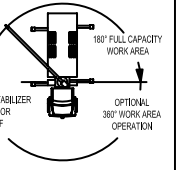
CHART #2



8'-2"



360° FULL CAPACITY WORK AREA



180° FULL CAPACITY WORK AREA

AREA OF OPERATION

LINE THROUGH CENTERLINE OF ROTATION


A FRONT CENTER STABILIZER IS REQUIRED FOR 360° AREA OF OPERATION

OPTIONAL 360° WORK AREA OPERATION

NOTE:

1. CHART #1 CAPACITIES DO NOT EXCEED 118% STABILITY.
2. CHART #2 CAPACITIES DO NOT EXCEED STABILITY BASED ON ISO 4305-1991.
3. PERSONNEL HANDLING IS ALLOWED ONLY WITH FULL SPAN OUTRIGGERS.
4. BOOM LOAD RATINGS ARE BASED ON LOADED BOOM RADIUS.
5. LOADED BOOM ANGLES ARE GIVEN AS A REFERENCE ONLY.
6. LOAD RATINGS ABOVE BOLD LINE ARE STRUCTURALLY LIMITED.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE.



ELLIOTT
EQUIPMENT COMPANY

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Omaha, NE 68127 Email: sales@elliottequip.com

Built for You.
www.elliottequip.com

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 in ³ -110,000 psi / 164 cm ³ -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



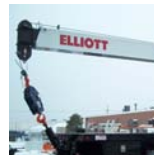
SuperLink Outriggers™

"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.