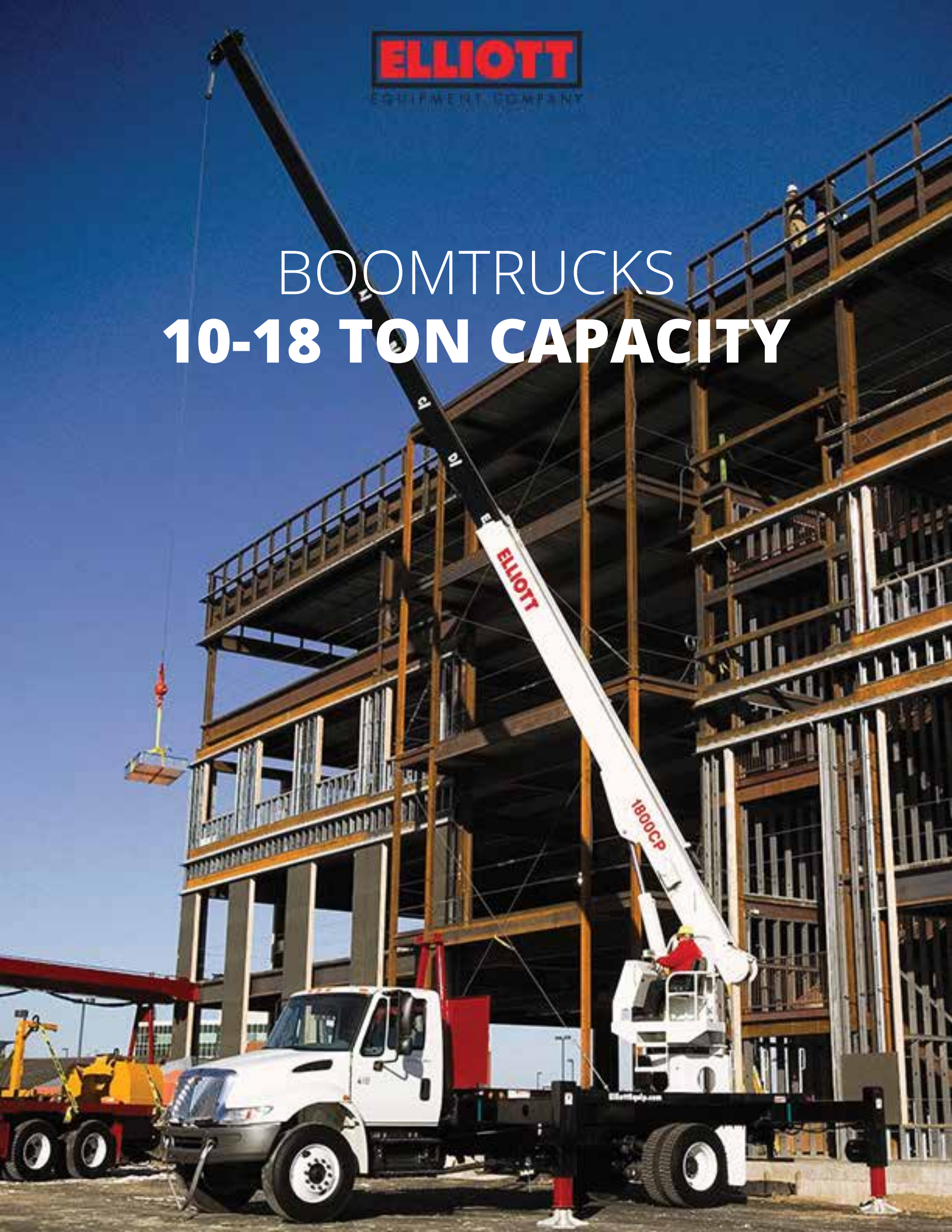
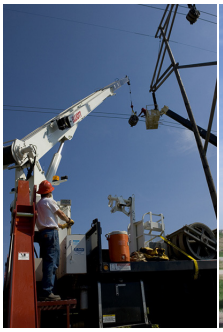
ELLIOTT
EQUIPMENT COMPANY

BOOMTRUCKS
10-18 TON CAPACITY

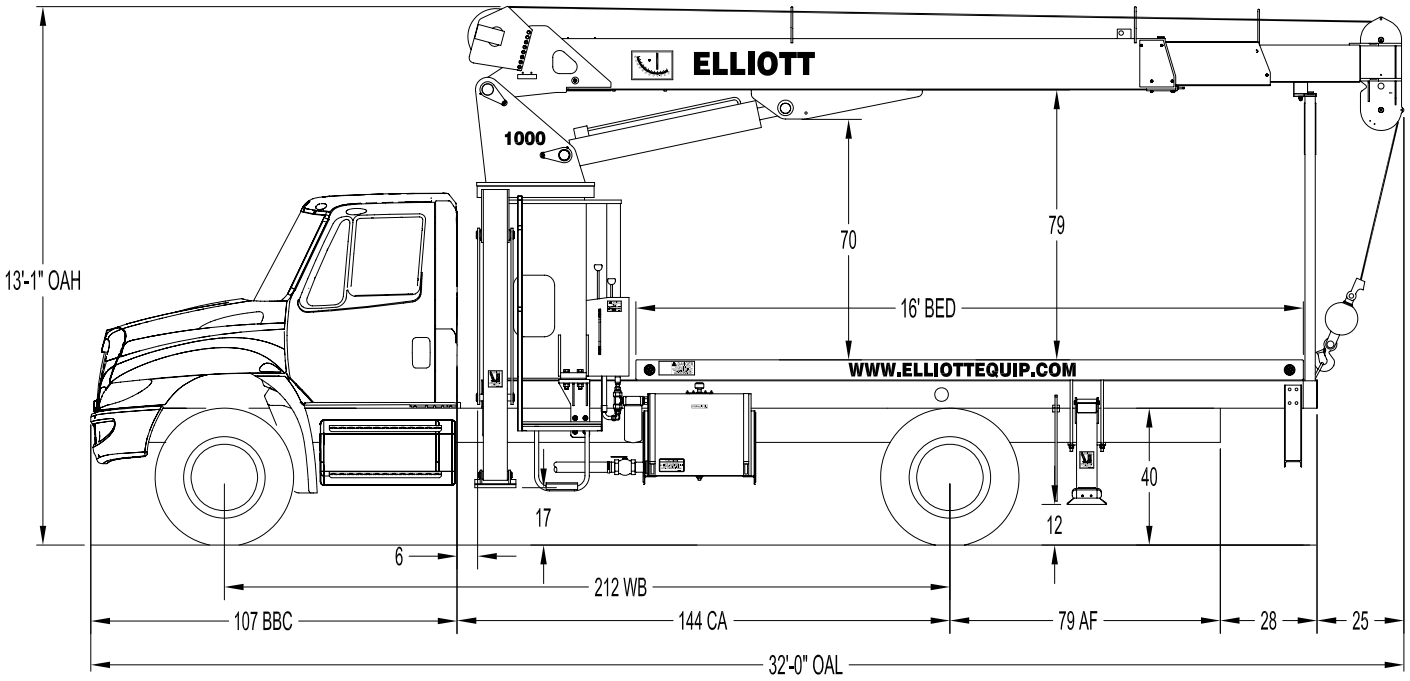


BoomTruck™ 1039F

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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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...

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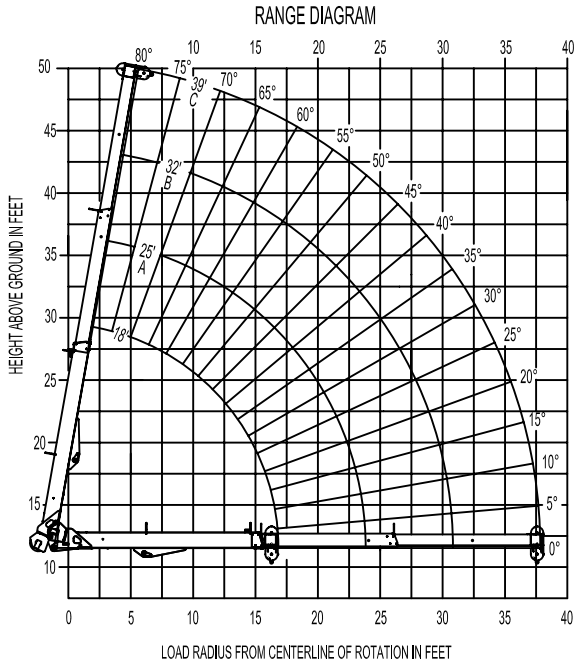
MAXIMUM LIFTING AND RANGE CAPABILITIES

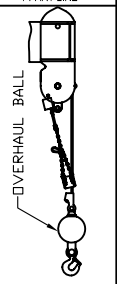
ELLIOTT EQUIPMENT COMPANY

MODEL 1039 39-FT.BOOM

RANGE DIAGRAM WITH FULLY EXTENDED OUTRIGGERS



ALLOWABLE LINE PULL

1-PART LINE	2-PART LINE	3-PART LINE	NOTICE
			- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM. - KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES. - USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED. - ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE, SEE OPERATION & SAFETY MANUAL. -MAXIMUM CAPACITY WITH "BURST OF SPEED" IS 500 LBS.
9600-LBS.	19200-LBS.	20000-LBS.	9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-LBS. BREAKING STRENGTH
9060-LBS.	18120-LBS.	20000-LBS.	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-LBS. BREAKING STRENGTH

OVERHAUL BALL

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO,

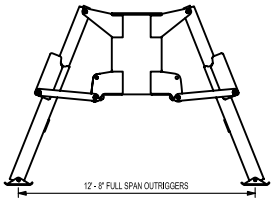
OVERHAUL BALL - - - - - - - - - - - - - - -SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK - SEE BLOCK MFGR. NAMEPLATE
SWING AROUND JIB -SEE LOAD RATING CHART

WARNING:
LIFTING OFF THE MAIN BOOM WHILE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS FULLY EXTENDED

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						
6	67	16500	74	14200				
8	60	14500	69	11750	74	11200		
10	52	12000	64	10350	70	9750	75	8600
12	43	11000	60	9050	67	8300	71	7800
14	34	9400	54	8200	63	7400	68	7000
16			48	7500	59	6800	65	6250
18			41	6950	54	6250	62	5550
20			33	6300	50	5750	58	4900
25					36	4950	49	4350
30							38	3700
35							22	3100
	0	6800	0	4150	0	3000	0	2400



WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND ALL DECALS IN ADDITION TO THE OPERATION AND SAFETY MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN THE OPERATION AND SAFETY MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE APPLYING A LOAD SHOULD BE GREATER TO ACCOUNT FOR DEFLECTION. DO NOT EXCEED THE OPERATING RADIUS FOR A BOOM LENGTH AND LOAD RATING.
4. THE JIB LOAD RATING CHART IS BASED ON THE LOADED BOOM ANGLES OF THE MAIN BOOM AND NOT THE LOAD RADIUS. DO NOT EXCEED JIB LOAD RATINGS AT REDUCED BOOM LENGTHS.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
6. FOR BOOM LENGTHS NOT SHOWN, USE THE RATING OF NEXT LONGER BOOM LENGTH, FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS AND STABILIZERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON THE SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST THE BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
10. IF ANY OPERATIONAL AID SUCH ANTI-2-BLOCK, OVERLOAD SYSTEM OR LEVELING INDICATOR IS MALFUNCTIONING OR INOPERATIVE, DISCONTINUE USE IMMEDIATELY AND CONTACT A QUALIFIED REPAIR FACILITY.
11. CAPACITY INDICATING/LIMITING DEVICES SHOULD NOT BE RELIED UPON TO REPLACE THE USE OF CAPACITY CHARTS AND PROPER OPERATING PROCEDURES.

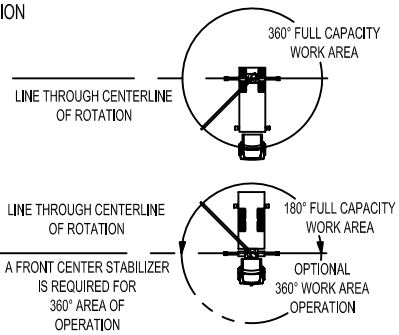
INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED CAPACITIES FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, LOAD BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM CARRIER WHEELS.
3. LOAD RATINGS ABOVE THE BOLD LINE ARE STRUCTURALLY LIMITED AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH A LOAD APPLIED.
2. LOADED BOOM ANGLES, SHOWN ABOVE, ARE THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXIS OF THE BOOM BASE AFTER LIFTING RATED LOAD AT THE RATED RADIUS.

AREA OF OPERATION



CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE. | DO NOT PAINT OVER ANY LABELS 1188870 110512

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BOOMTRUCK - 1039F TECHNICAL SPECIFICATIONS

TRUCK CHASSIS SPECIFICATIONS

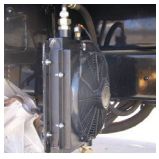
	1039F BoomTruck
Wheelbase (WB)	212" / 538 cm
Cab to Axle (CA)	144" / 366 cm
Cab to End of Frame (AF)	251" / 637 cm
Frame Section Modulus	10.0 in3-110,000 psi / 164 cm3-758,428 kPa
Front Axle Gross Weight Rating	10,000 lb / 4,536 kg
Rear Axle Gross Weight Rating	19,000 lb / 8,618 kg
Integral Front Frame 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% stbility 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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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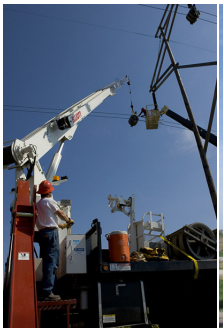
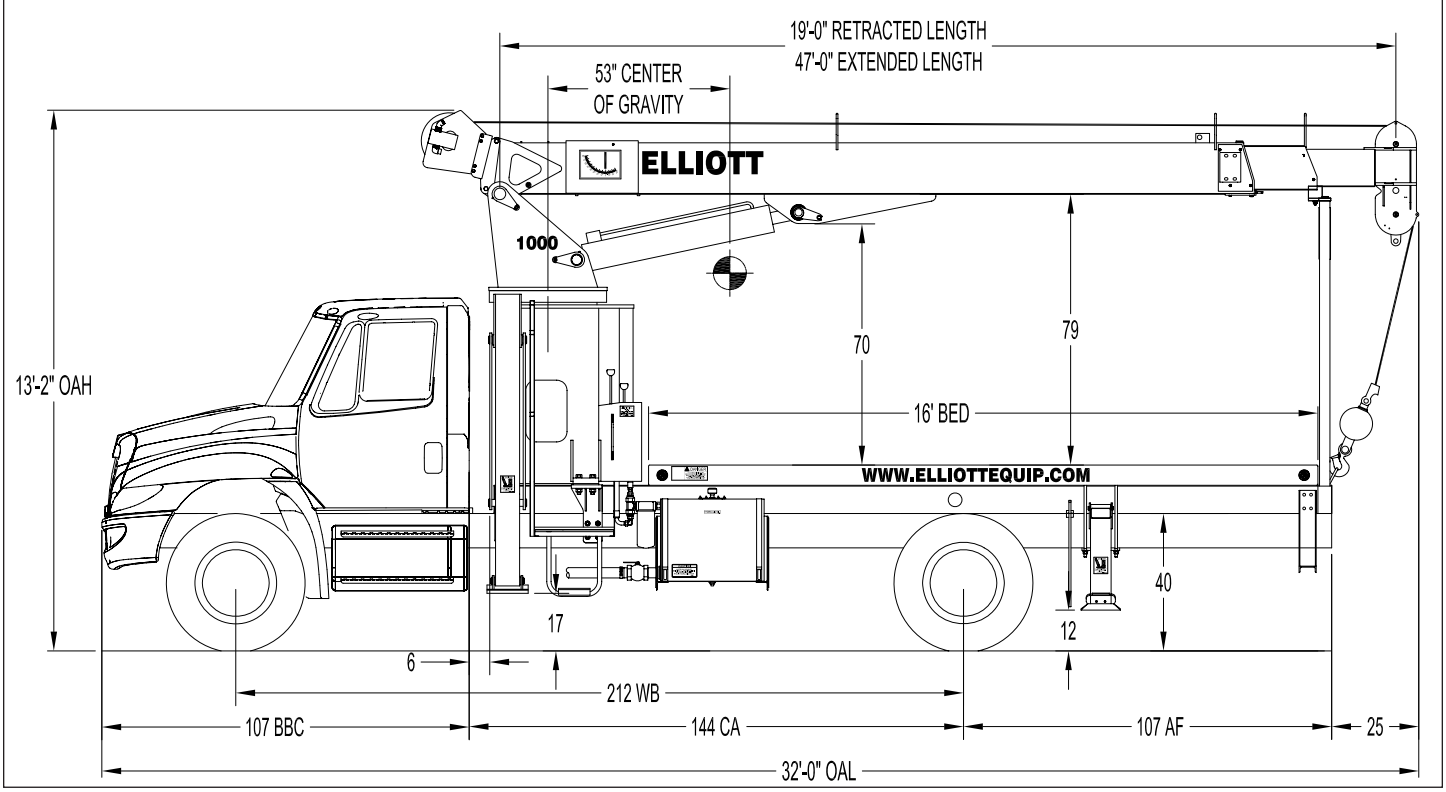
BoomTruck™ 1047F TECHNICAL SPECIFICATIONS





1047F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 57'/17,4 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 20,000 lbs/9072 kg
- **Boom Length** 47'/14,3 m
- **Crane Weight (Standard)** 13,065 lbs/5926 kg
- **Jib Lengths** N/A
- **Winch Bare Drum Pull** 12,800 lbs/5806 kg
- **Powered Boom Sections** 3
- **Overall Height** 13'2"/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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TECHNICAL SPECIFICATIONS

Crane Capacity: 20,000 lbs at 5' load radius.

Maximum Tip Height: 57' 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 switch, 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 57' 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 1,000,000 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.

4 or 5-Function Radio Remote Controls.

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.

Out and Down Outriggers.

Boom-Mounted Hose Reel.

Much more...

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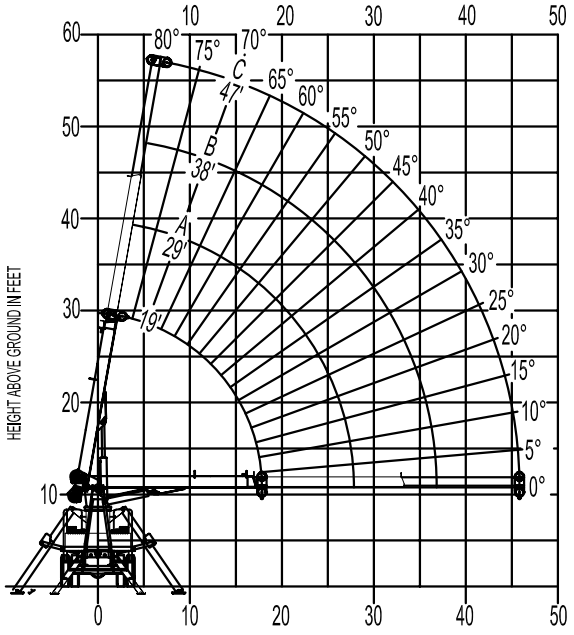
MAXIMUM LIFTING CAPABILITIES

ELLIOTT EQUIPMENT COMPANY — MODEL 1000 — 47-FT.BOOM

RANGE DIAGRAM

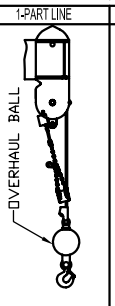


MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	19-FT.	LOADED BOOM ANGLE	A 29-FT.	LOADED BOOM ANGLE	B 38-FT.	LOADED BOOM ANGLE	C 47-FT.
5	74	20000						
8	64	13500	74	11000	78	10500		
10	57	11500	69	10500	75	9500		
15	36	8000	59	7300	67	6700	72	6100
20			46	5400	58	5000	65	4600
25			29	4200	49	3900	58	3600
30					37	3300	50	3000
35					21	2800	42	2600
40							31	2200
45							14	1900
	0	5900	0	3600	0	2400	0	1700

ALLOWABLE LINE PULL

1-PART LINE	2-PART LINE	3-PART LINE	NOTICE
			- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM. - KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES. - USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED. - ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE, SEE OPERATION & SAFETY MANUAL. -MAXIMUM CAPACITY WITH "BURST OF SPEED" IS 500 LBS.
9600-LBS.	19200-LBS.	20000-LBS.	9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-LBS. BREAKING STRENGTH
9060-LBS.	18120-LBS.	20000-LBS.	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-LBS. BREAKING STRENGTH

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO,

OVERHAUL BALL - - - - - - - - - - - - - - -SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK - SEE BLOCK MFGR. NAMEPLATE
SWING AROUND JIB -SEE LOAD RATING CHART

WARNING:
LIFTING OFF THE MAIN BOOM WHILE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND ALL DECALS IN ADDITION TO THE OPERATION AND SAFETY MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN THE OPERATION AND SAFETY MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE APPLYING A LOAD SHOULD BE GREATER TO ACCOUNT FOR DEFLECTION. DO NOT EXCEED THE OPERATING RADIUS FOR A BOOM LENGTH AND LOAD RATING.
4. THE JIB LOAD RATING CHART IS BASED ON THE LOADED BOOM ANGLES OF THE MAIN BOOM AND NOT THE LOAD RADIUS. DO NOT EXCEED JIB LOAD RATINGS AT REDUCED BOOM LENGHS.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
6. FOR BOOM LENGTHS NOT SHOWN, USE THE RATING OF NEXT LONGER BOOM LENGTH, FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS AND STABILIZERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON THE SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST THE BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
10. IF ANY OPERATIONAL AID SUCH ANTI-2-BLOCK, OVERLOAD SYSTEM OR LEVELING INDICATOR IS MALFUNCTIONING OR INOPERATIVE, DISCONTINUE USE IMMEDIATELY AND CONTACT A QUALIFIED REPAIR FACILITY.
11. CAPACITY INDICATING/LIMITING DEVICES SHOULD NOT BE RELIED UPON TO REPLACE THE USE OF CAPACITY CHARTS AND PROPER OPERATING PROCEDURES.

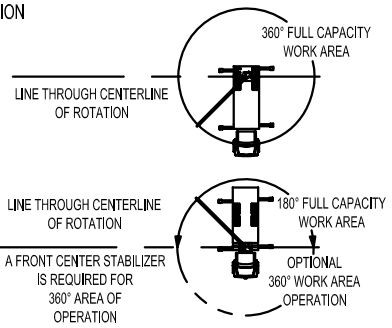
INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED CAPACITIES FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, LOAD BLOCKS (SEE DEDUCTION CHART), WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM CARRIER WHEELS.
3. LOAD RATINGS ABOVE THE BOLD LINE ARE STRUCTURALLY LIMITED AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH A LOAD APPLIED.
2. LOADED BOOM ANGLES, SHOWN ABOVE, ARE THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXIS OF THE BOOM BASE AFTER LIFTING RATED LOAD AT THE RATED RADIUS.

AREA OF OPERATION



CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE. | DO NOT PAINT OVER ANY LABELS 1087390 071907

ELLIOTT EQUIPMENT COMPANY
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BOOMTRUCK - 1047F TECHNICAL SPECIFICATIONS

TRUCK CHASSIS SPECIFICATIONS

	1047F BoomTruck
Wheelbase (WB)	211" / 536 cm
Cab to Axle (CA)	144" / 366 cm
After Frame (AF)	108" / 274 cm
Frame Section Modulus	10.0 in3-110,000 psi / 164 cm3-758,428 kPa
Front Axle Gross Weight Rating	10,000 lb / 4536 kg
Rear Axle Gross Weight Rating	19,000 lb / 8618 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% stbility 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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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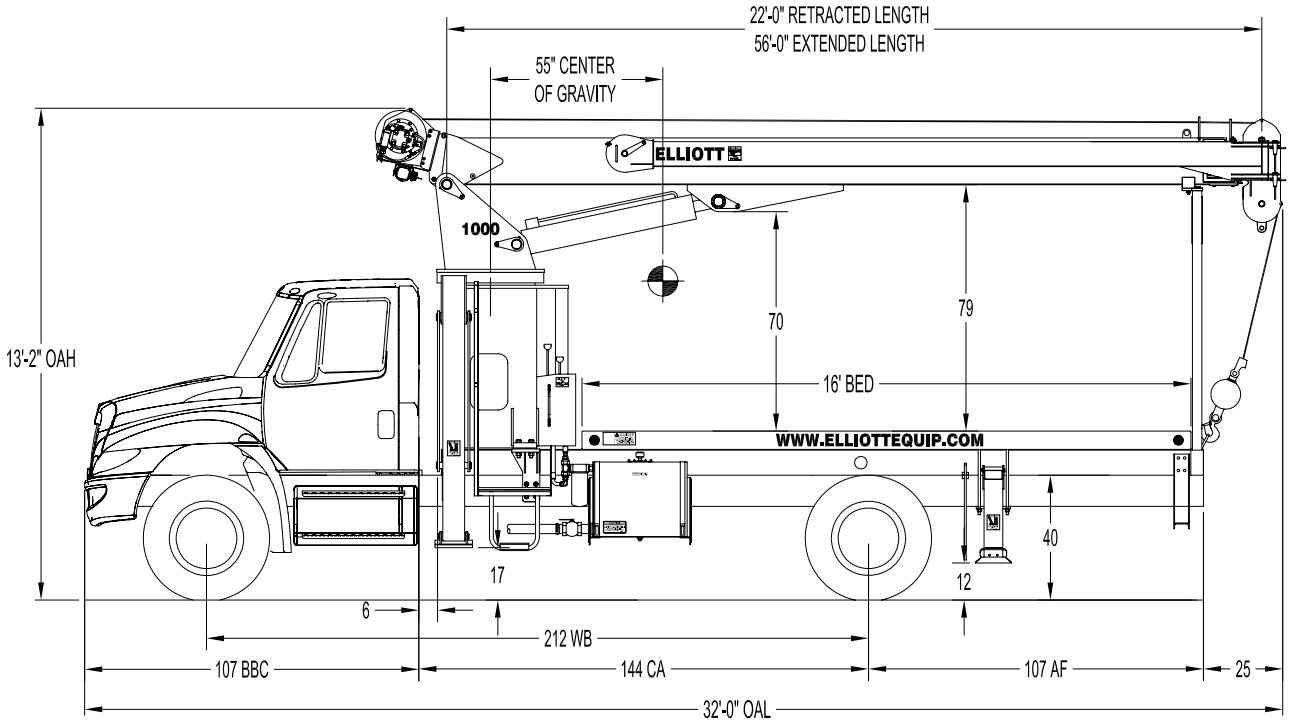
BoomTruck™ 1056F TECHNICAL SPECIFICATIONS




1056F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 96'/29.2 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 20,000 lbs/9,072 kg
- **Boom Length** 56'/17.1 m
- **Crane Weight (Dry)** 13,390 lbs/6,074 kg
- **Jib Lengths** 18', 18'-30'/5.5 m, 5.5-9.1 m
- **Winch Bare Drum Pull** 12,800 lbs/5,806 kg
- **Powered Boom Sections** 3
- **Overall Height** 13'2"/4 m
- **Operator Controls** Dual Operator Standup
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 17'7"/5.3 m
- **Outrigger Type Rear** A-Underslung
- **Outrigger Spread Rear** 10'4"/3.1 m

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TECHNICAL SPECIFICATIONS

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

Maximum Tip Height: 66' height (96' with optional 30' jib)

Control Console: Dual operator standup control stations equipped with four single axis control levers for the main crane controls. Operator station includes 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 lever controls at control consoles.

Boom: Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 66' 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: One set of "A" Frame main outriggers with 17'7" span, and one set of underslung "A" auxiliary outriggers with a 10'4" span.

Frame: Full length, all welded rigid 4-plate design sub-frame. Sub-frame allows for bolt-on addition of 16' 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 372-degree non-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-stage 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 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 13,390 lbs. with 16' steel-floor bed less truck.

Truck Chassis Required: Approx. 144" C.A. RBM 1,100,000 in-lb. per rail, 13,000 lb. front axle and 33,000 lb. GVWR required. Trucks must have front frame extension, 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:

18-30' Telescopic Material Handling Jib.

Radio Remote Controls.

Superlink Short Jack Outriggers.

Gravity Leveled Steel Basket.

Front Jack for 360 Degree Area of Operation.

Hydraulic Tool Circuits on Bed.

Much more...

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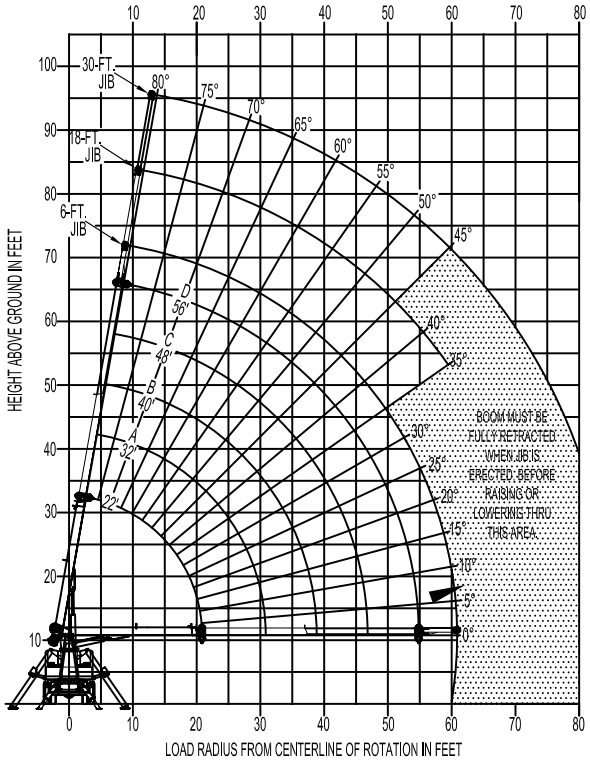
MAXIMUM LIFTING CAPABILITIES

ELLIOTT EQUIPMENT COMPANY — MODEL 1056 — 56-FT.BOOM

RANGE DIAGRAM



MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS, WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	22-FT.	LOADED BOOM ANGLE	A 32-FT.	LOADED BOOM ANGLE	B 40-FT.	LOADED BOOM ANGLE	C 48-FT.	LOADED BOOM ANGLE	D 56-FT.
5	75	20000								
10	62	11500	71	10500	75	9500				
15	46	8000	62	7300	68	6700	72	6100	75	5600
20	20	5600	51	5400	60	5100	65	4800	69	4500
25			38	4200	51	4000	59	3800	64	3600
30			17	3400	41	3300	51	3200	58	3000
35					28	2800	43	2700	51	2500
40							33	2200	44	2100
45							18	1900	36	1800
50									26	1500
55									4	1200
	0	4500	0	2800	0	2000	0	1500	0	1200
		230		160		120		100		90
		360		240		200		160		140

JIB LOAD RATINGS

LOAD RATINGS IN LBS, WITH OUTRIGGERS AND STABILIZERS EXTENDED

6-FT. FIXED LENGTH JIB		18-FT. FIXED LENGTH JIB		18-30 FT. EXTENDABLE JIB			
LOADED BOOM ANGLE	6-FT. JIB	LOADED BOOM ANGLE	18-FT. JIB	LOADED BOOM ANGLE	18-FT. JIB RETRACTED	LOADED BOOM ANGLE	30-FT. JIB EXTENDED
80	4500	80	2900	80	2800	80	1900
75	4000	75	2400	75	2300	75	1600
70	3500	70	2000	70	1900	70	1300
65	3000	65	1700	65	1600	65	1050
60	2700	60	1500	60	1400	60	900
55	2400	55	1200	55	1100	55	800
50	2100	50	1100	50	1000	50	650
45	1800	45	950	45	850	45	550
40	1500	40	850	40	750		
30	1300	35	750	35	650		
20	1100						
10	1000						
0	900						
DEDUCTIONS FOR STOWED FIXED LENGTH JIB							
DEDUCTIONS FOR STOWED EXTENDABLE JIB							

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND ALL DECALS IN ADDITION TO THE OPERATION AND SAFETY MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN THE OPERATION AND SAFETY MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE APPLYING A LOAD SHOULD BE GREATER TO ACCOUNT FOR DEFLECTION. DO NOT EXCEED THE OPERATING RADIUS FOR A BOOM LENGTH AND LOAD RATING.
4. THE JIB LOAD RATING CHART IS BASED ON THE LOADED BOOM ANGLES OF THE MAIN BOOM AND NOT THE LOAD RADIUS. DO NOT EXCEED JIB LOAD RATINGS AT REDUCED BOOM LENGHS.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
6. FOR BOOM LENGTHS NOT SHOWN, USE THE RATING OF NEXT LONGER BOOM LENGTH, FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS AND STABILIZERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON THE SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST THE BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
10. IF ANY OPERATIONAL AID SUCH ANTI-2-BLOCK, OVERLOAD SYSTEM OR LEVELING INDICATOR IS MALFUNCTIONING OR INOPERATIVE, DISCONTINUE USE IMMEDIATELY AND CONTACT A QUALIFIED REPAIR FACILITY.
11. CAPACITY INDICATING/LIMITING DEVICES SHOULD NOT BE RELIED UPON TO REPLACE THE USE OF CAPACITY CHARTS AND PROPER OPERATING PROCEDURES.

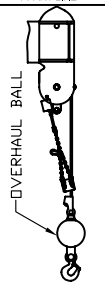
INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED CAPACITIES FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, LOAD BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM CARRIER WHEELS.
3. LOAD RATINGS ABOVE THE BOLD LINE ARE STRUCTURALLY LIMITED AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH A LOAD APPLIED.
2. LOADED BOOM ANGLES, SHOWN ABOVE, ARE THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXIS OF THE BOOM BASE AFTER LIFTING RATED LOAD AT THE RATED RADIUS.

ALLOWABLE LINE PULL

1-PART LINE	2-PART LINE	3-PART LINE
		
9600-LBS.	19200-LBS.	20000-LBS.
9060-LBS.	18120-LBS.	20000-LBS.

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM.
- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES.
- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED.
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL.
- MAXIMUM CAPACITY WITH "BURST OF SPEED" IS 500 LBS.

9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-LBS. BREAKING STRENGTH

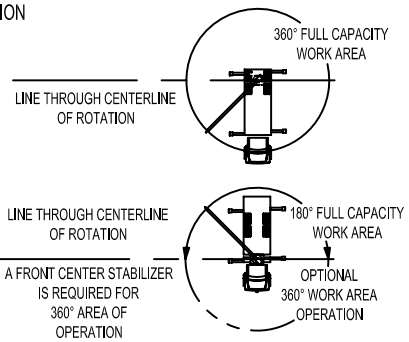
9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-LBS. BREAKING STRENGTH

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO,

OVERHAUL BALL - - - - - - - - - - - - - - -SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK - SEE BLOCK MFGR. NAMEPLATE
SWING AROUND JIB -SEE LOAD RATING CHART

WARNING:
LIFTING OFF THE MAIN BOOM WHILE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

AREA OF OPERATION



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BOOMTRUCK - 1056F TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1056F BoomTruck
Wheelbase (WB)	211" / 536 cm
Cab to Axle (CA)	144" / 366 cm
Cab to End of Frame (EOF)	244" / 620 cm
Frame Section Modulus	10.0 in3-110,000 psi / 758,428 kPa
Front Axle Gross Weight Rating	13,000 lb / 5,896 kg
Rear Axle Gross Weight Rating	20,000 lb / 9,072 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% stbility requirements.

OPTIONS

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
Choose between telescopic or fixed jibs that stow on the side of the boom and pin on the boom tip for easy placement while on the worksite.

Continuous Boom Rotation
Add the convenience of 360 degree area of operation by adding a special boom rotation bearing for swinging without stops.

Superlink Short Jack Outriggers
Reduce your outrigger spread with Elliott's patented Superlink outriggers that allow straight down outrigger deployment on one side and full crane operation on the other.

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 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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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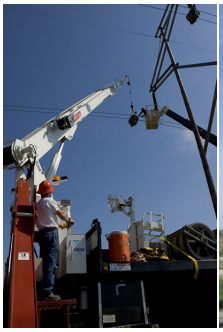
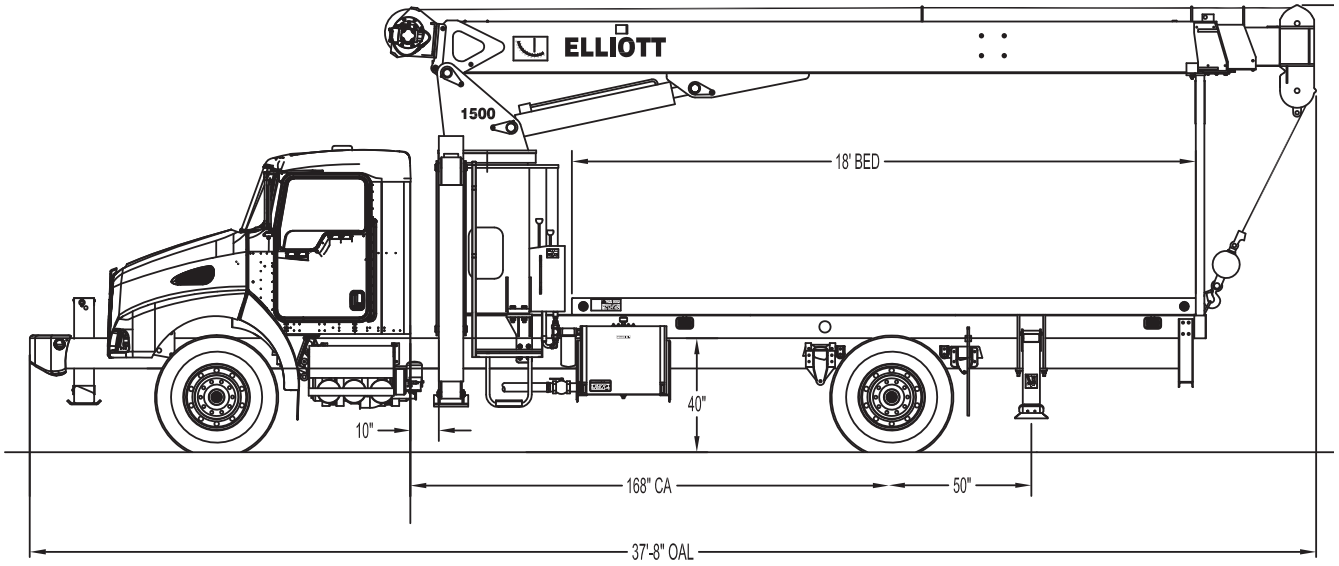
BoomTruck™ 1560F TECHNICAL SPECIFICATIONS





1560F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 90'/27,4 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 30,000 lbs/13 608 kg
- **Boom Length** 60'/18,3 m
- **Crane Weight (Dry)** 14,825 lbs/6725 kg
- **Jib Lengths** 20'/6,1 m
- **Winch Bare Drum Pull** 12,800 lbs/5806 kg
- **Powered Boom Sections** 3
- **Overall Height** 12'11"/3,9 m
- **Operator Controls** Dual Operator Standup
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 20'10"/6,3 m
- **Outrigger Type Rear** A-Stabilizers
- **Outrigger Spread Rear** 10'4"/3,1 m

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TECHNICAL SPECIFICATIONS

Crane Capacity: 30,000 lbs at a 5' load radius.

Maximum Tip Height: 70' height (90' with optional 20' jib)

Control Console: Dual operator standup control stations equipped with four single axis control levers for the main crane controls. Operator station includes 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 lever controls at control consoles.

Boom: Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 70' 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: One set of "A" Frame main outriggers with 20'10" span, and one set of underslung "A" auxiliary stabilizers with a 10'4" span.

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 372-degree non-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-stage 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 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 14,825 lbs. with 18' steel-floor bed less truck.

Truck Chassis Required: Approx. 169" C.A. RBM 1,463,000 in-lb. per rail, 13,000 lb. front axle and 33,000 lb. GVWR required. Trucks must have front frame extension, 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

Elliott Equipment Company
3514 South 25th Street
Omaha, NE 68105

Phone: 402-592-4500
Fax: 402-592-4553
Email: sales@elliottequip.com

MAXIMUM LIFTING CAPABILITIES

ELLIOTT EQUIPMENT COMPANY

MODEL 1500 60-ft BOOM

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS (feet)	LOADED BOOM ANGLE	24 ft	LOADED BOOM ANGLE	A 33 ft	LOADED BOOM ANGLE	B 42	LOADED BOOM ANGLE	C 51 ft	LOADED BOOM ANGLE	D 60 ft
5	76	30,000								
10	63	18,400	71	17,700	75	17,000	78	15,800		
15	48	13,800	61	12,800	68	12,300	73	11,600	75	11,400
20	27	10,700	52	10,100	61	9,600	67	9,100	70	8,800
25			39	8,300	53	7,900	60	7,400	65	7,200
30			21	6,600	43	6,600	53	6,300	60	6,000
35					32	5,500	46	5,400	54	5,200
40					13	4,100	37	4,600	48	4,500
45							26	3,750	41	3,500
50									32	3,050
55									27	2,600
	0	7,100	0	4,650	0	3,250	0	2,350	0	1,750
	350		250		200		150		150	

JIB LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

20-FT FIXED LENGTH JIB

LOADED BOOM ANGLE	20-FT JIB
78	4,700
74	3,700
70.5	3,000
66.5	2,400
62.5	2,100
58.5	1,700
54	1,400
49.5	1,300
45	1,200
39.5	1,000
33.5	800

DEDUCTIONS FOR STOWED FIXED LENGTH JIB

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM
- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES
- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL

1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	
				ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS: DOWNHAUL WEIGHT.....180 lbs ONE SHEAVE BLOCK.....375 lbs TWO SHEAVE BLOCK.....640 lbs
MAX PULL: 9,600 lbs	19,200 lbs	28,800 lbs	30,000 lbs	9/16" - 6X37 IWRC (3.5:1 S.F.) 33,600-lbs. BREAKING STRENGTH
MAX PULL: 9,060 lbs	18,120 lbs	27,180 lbs	30,000 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-lbs. BREAKING STRENGTH
MAX PULL: 7,680 lbs	15,360 lbs	23,040 lbs	30,000 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 38,400-lbs. BREAKING STRENGTH

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS 113040 065697

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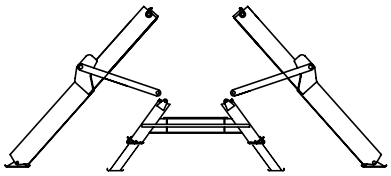
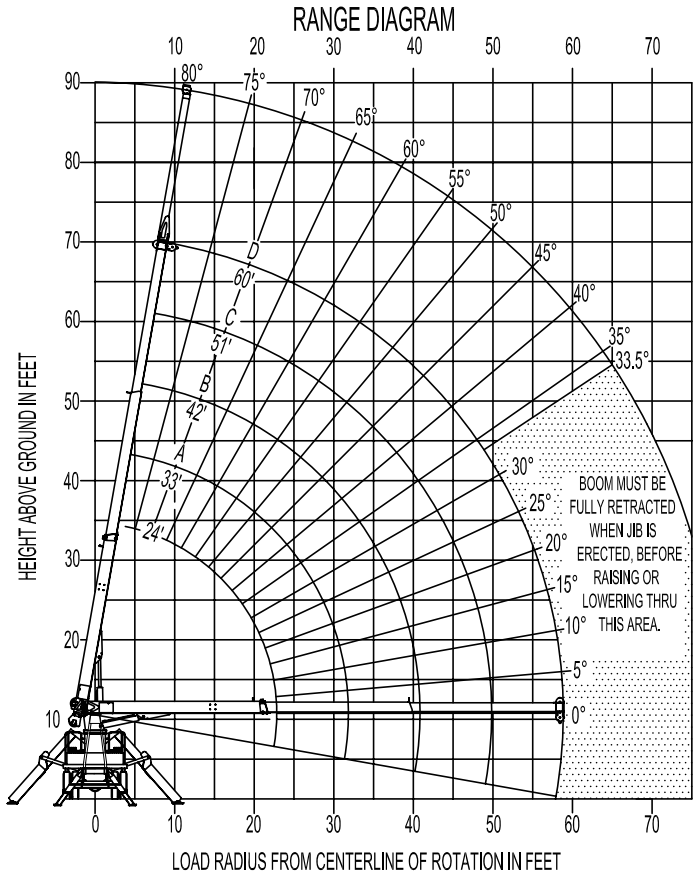
MAXIMUM RANGE CAPABILITIES

ELLIOTT EQUIPMENT COMPANY

MODEL 1500 60-ft BOOM



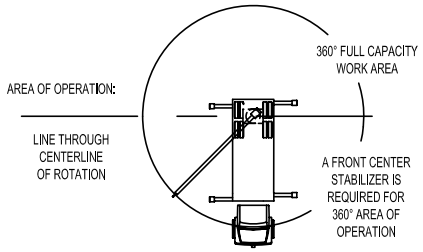
OUTRIGGERS AT FULL EXTENSION

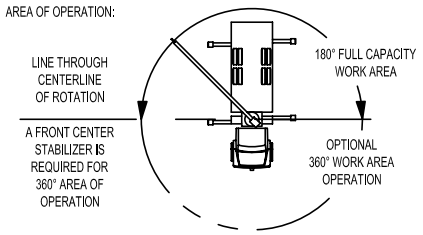


NOTE:

1. Operate jib by radius when main boom is full extended. Increase boom angle if necessary to maintain load radius.
2. When boom is retracted, operate jib by boom angles. Do not exceed any rated jib capacities at reduced boom lengths.
3. Capacities do not exceed 85% stability.
4. Load ratings above bold line are structurally limited.
5. Personnel handling is allowed only with full span outriggers.
6. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only.

AREA OF OPERATION





CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS 1130340 080807

BOOMTRUCK - 1560F TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1560F BoomTruck
Wheelbase (WB)	236" / 599 cm
Cab to Axle (CA)	168" / 427 cm
Cab to End of Frame (EOF)	268" / 681 cm
Frame Section Modulus	13.3 in3-110,000 psi
Front Axle Gross Weight Rating	13,000 lb / 5896 kg
Rear Axle Gross Weight Rating	20,000 lb / 9072 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% stbility requirements.

OPTIONS

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

Pin-On Jib Attachment
One-piece fixed jib that stows on the side of the boom and pins on the boom tip for easy placement while on the worksite.

Continuous Boom Rotation
Add the convenience of 360 degree area of operation by adding a special boom rotation bearing for swinging without stops.

Superlink Short Jack Outriggers
Reduce your outrigger spread with Elliott's patented Superlink outriggers that allow straight down outrigger deployment on one side and full crane operation on the other.

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 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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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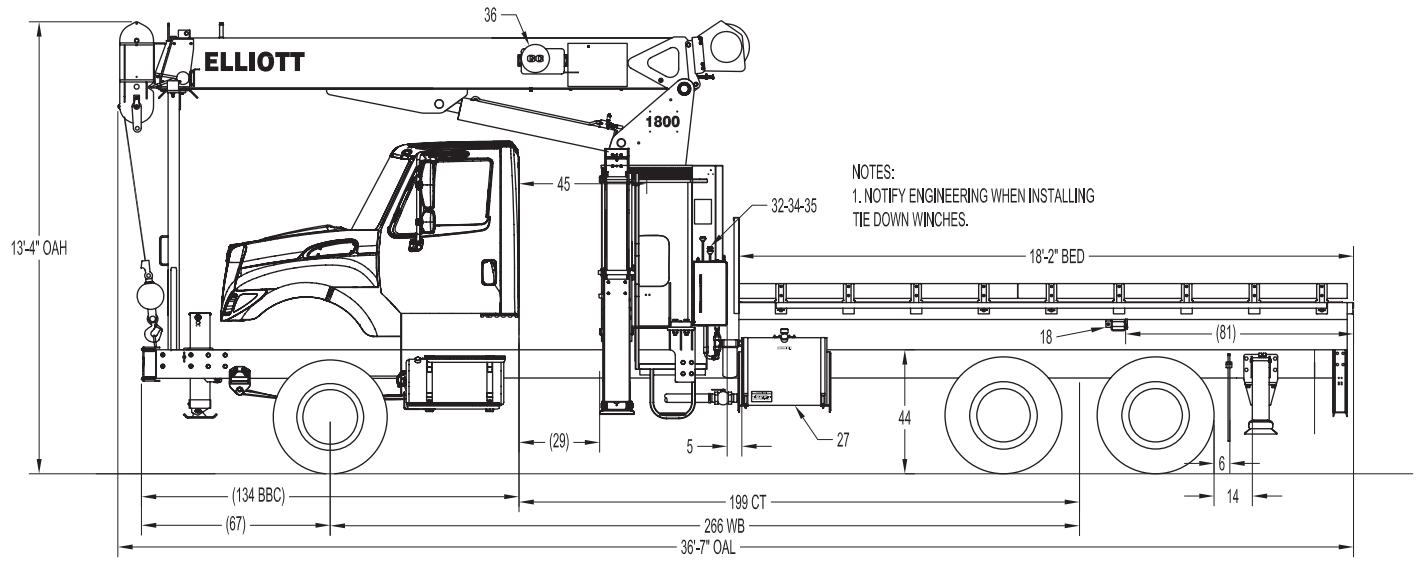
BoomTruck™ 1838F TECHNICAL SPECIFICATIONS




1838F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 48'/14.6 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 36,000 lbs/16,329 kg
- **Boom Length** 38'/11.6 m
- **Crane Weight (Dry)** 13,540 lbs/6,142 kg
- **Jib Lengths** N/A
- **Winch Bare Drum Pull** 12,800 lbs/5,806 kg
- **Powered Boom Sections** 3
- **Overall Height** 13'4"/4.1 m
- **Operator Controls** Dual Operator Standup
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 20'10"/6.3 m
- **Outrigger Type Rear** A-Underslung
- **Outrigger Spread Rear** 10'4"/3.1 m

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TECHNICAL SPECIFICATIONS

Crane Capacity: 36,000 lbs at five feet radius.

Maximum Tip Height: 48' height.

Control Console: Dual operator standup control stations equipped with four single axis control levers for the main crane controls. Operator station includes 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 lever controls at control consoles.

Boom: Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 48' 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: One set of "A" Frame main outriggers with 20'10" span, and one set of underslung "A" auxiliary outriggers with a 10'4" span.

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 372-degree non-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 third boom 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 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 13,540 lbs. with 18' steel-floor bed less truck.

Truck Chassis Required: Approx. 192" C.A. RBM 1,463,000 in-lb. per rail, 20,000 lb. front axle and 60,000 lb. GVWR required. Truck requires extended front frame rails, 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:

Radio Remote Controls.

Superlink Short Jack Outriggers.

Gravity Leveled Steel Basket.

Front Jack for 360 Degree Area of Operation.

Hydraulic Tool Circuits on Bed.

Much More...

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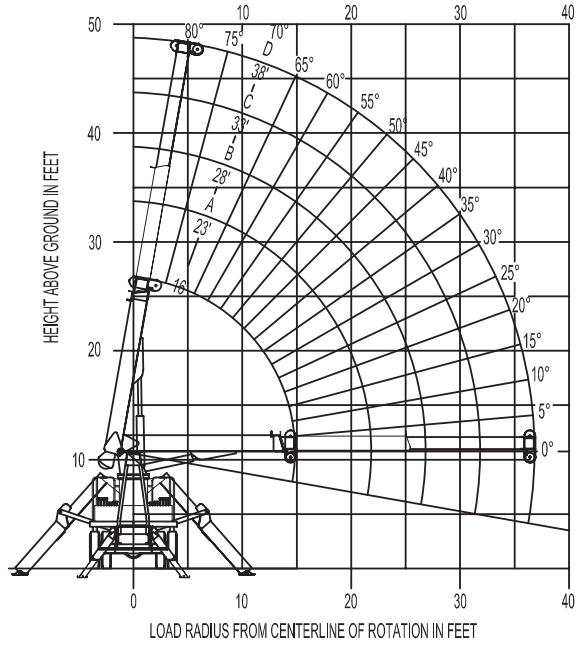
MAXIMUM LIFTING CAPABILITIES

ELLIOTT EQUIPMENT COMPANY — MODEL 1800 — 38-FT.BOOM

RANGE DIAGRAM



MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS (feet)	LOADED BOOM ANGLE	16 ft	LOADED BOOM ANGLE	A 23 ft	LOADED BOOM ANGLE	B 28 ft	LOADED BOOM ANGLE	C 33 ft	LOADED BOOM ANGLE	D 38 ft
5	70	36,000								
8	58	25,900	68	22,950	72	21,400	75	20,000	77	18,900
11	44	20,500	59	18,600	65	17,250	69	16,000	72	15,100
14	23	16,400	50	15,750	58	14,650	64	13,600	67	12,750
17			38	13,500	50	12,700	57	11,850	62	11,150
20			22	11,250	41	11,200	51	10,650	57	9,950
23					30	9,850	45	9,550	52	9,050
26					16	8,150	36	8,600	46	8,250
29							25	7,600	39	7,550
32									31	6,900
35									19	5,950
	0	12,100	0	8,100	0	6,350	0	5,250	0	4,400

ALLOWABLE LINE PULL

1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE
			
9,600 lb	19,200 lb	28,800 lb	36,000 lb
9,060 lb	18,120 lb	27,180 lb	36,000 lb
5,880 lb	11,760 lb	17,640 lb	23,520 lb

9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600 lb BREAKING STRENGTH

9/16" - SPIN RESISTANT (5:1 S.F.) 45,300 lb BREAKING STRENGTH

9/16" - SPIN RESISTANT (5:1 S.F.) 29,400 lb BREAKING STRENGTH

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM.
- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES.
- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED.
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL.

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO,

OVERHAUL BALL - - - - - - - - - - - - - - - -SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK - SEE BLOCK MFGR. NAMEPLATE
SWING AROUND JIB -SEE LOAD RATING CHART

WARNING:
LIFTING OFF THE MAIN BOOM WHILE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND ALL DECALS IN ADDITION TO THE OPERATION AND SAFETY MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN THE OPERATION AND SAFETY MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE APPLYING A LOAD SHOULD BE GREATER TO ACCOUNT FOR DEFLECTION. DO NOT EXCEED THE OPERATING RADIUS FOR A BOOM LENGTH AND LOAD RATING.
4. THE JIB LOAD RATING CHART IS BASED ON THE LOADED BOOM ANGLES OF THE MAIN BOOM AND NOT THE LOAD RADIUS. DO NOT EXCEED JIB LOAD RATINGS AT REDUCED BOOM LENGTHS.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
6. FOR BOOM LENGTHS NOT SHOWN, USE THE RATING OF NEXT LONGER BOOM LENGTH, FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS AND STABILIZERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON THE SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST THE BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
10. IF ANY OPERATIONAL AID SUCH ANTI-2-BLOCK, OVERLOAD SYSTEM OR LEVELING INDICATOR IS MALFUNCTIONING OR INOPERATIVE, DISCONTINUE USE IMMEDIATELY AND CONTACT A QUALIFIED REPAIR FACILITY.
11. CAPACITY INDICATING/LIMITING DEVICES SHOULD NOT BE RELIED UPON TO REPLACE THE USE OF CAPACITY CHARTS AND PROPER OPERATING PROCEDURES.

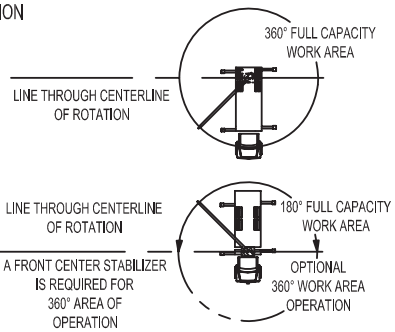
INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED CAPACITIES FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, LOAD BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM CARRIER WHEELS.
3. LOAD RATINGS ABOVE THE BOLD LINE ARE STRUCTURALLY LIMITED AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH A LOAD APPLIED.
2. LOADED BOOM ANGLES, SHOWN ABOVE, ARE THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXIS OF THE BOOM BASE AFTER LIFTING RATED LOAD AT THE RATED RADIUS.

AREA OF OPERATION



CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE. | DO NOT PAINT OVER ANY LABELS 1079620 060904

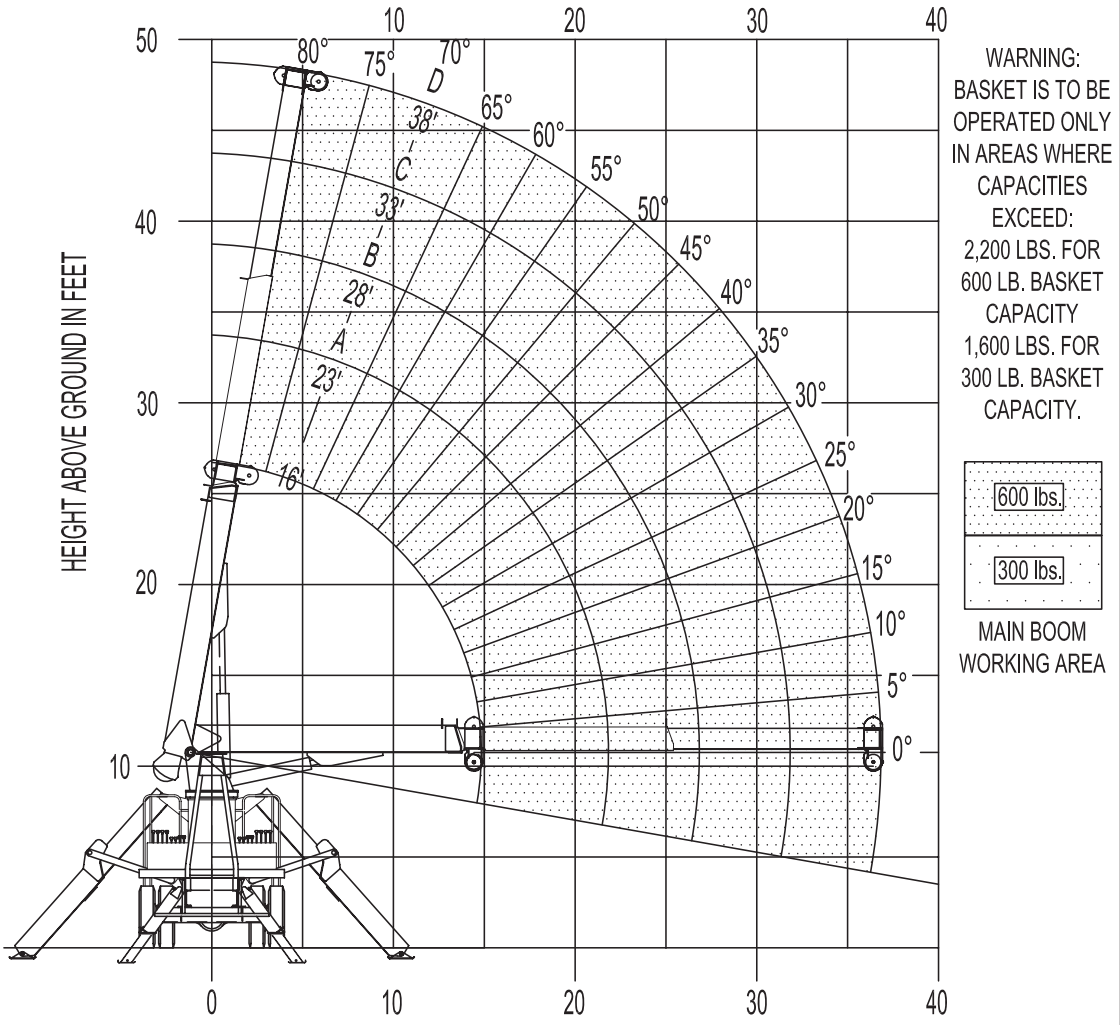
MAXIMUM RANGE CAPABILITIES

ELLIOTT EQUIPMENT COMPANY

MODEL 1800 38-FT.BOOM

BASKET TO BE OPERATED ON BOOM ONLY WHEN OUTRIGGERS ARE FULLY DEPLOYED HORIZONTALLY.

RANGE DIAGRAM



WARNING: BASKET IS TO BE OPERATED ONLY IN AREAS WHERE CAPACITIES EXCEED: 2,200 LBS. FOR 600 LB. BASKET CAPACITY 1,600 LBS. FOR 300 LB. BASKET CAPACITY.

600 lbs.

300 lbs.

MAIN BOOM WORKING AREA

DO NOT PAINT OVER ANY LABELS 1140040 021308

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Email: sales@elliottequip.com

BOOMTRUCK - 1838F TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1838F BoomTruck
Wheelbase (WB)	256" / 650 cm
Cab to Axle (CA)	192" / 488 cm
Cab to End of Frame (EOF)	300" / 762 cm
Frame Section Modulus	13.3 in3-110,000 psi
Front Axle Gross Weight Rating	13,000 lb / 5897 kg
Rear Axle Gross Weight Rating	20,000 lb / 9072 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% stbility requirements.

OPTIONS

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

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

Continuous Boom Rotation
Add the convenience of 360 degree area of operation by adding a special boom rotation bearing for swinging without stops.

Superlink Short Jack Outriggers
Reduce your outrigger spread with Elliott's patented Superlink outriggers that allow straight down outrigger deployment on one side and full crane operation on the other.

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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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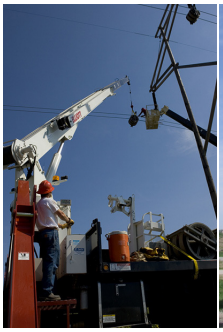
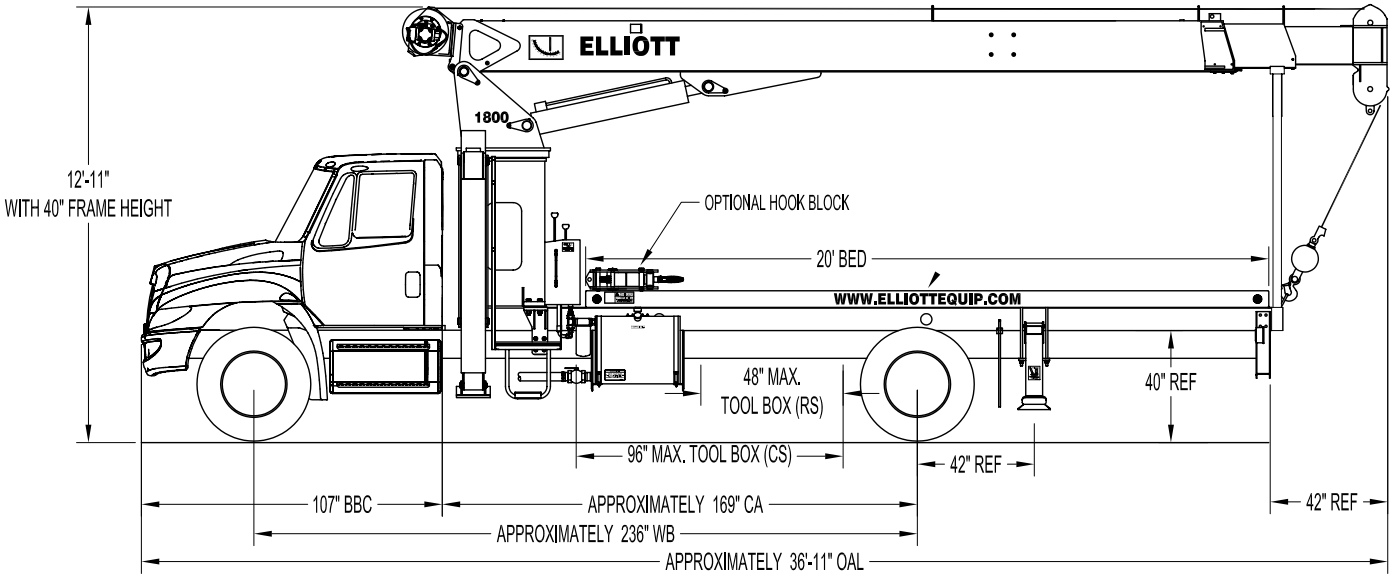
BoomTruck™ 1860F TECHNICAL SPECIFICATIONS




1860F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 90'/27,4 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 36,000 lbs/16 329 kg
- **Boom Length** 60'/18,3 m
- **Crane Weight (Dry)** 14,845 lbs/6734 kg
- **Jib Lengths** 20'/6,1 m
- **Winch Bare Drum Pull** 12,800 lbs/5806 kg
- **Powered Boom Sections** 3
- **Overall Height** 12'11"/3,9 m
- **Operator Controls** Dual Operator Standup
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 20'10"/6,3 m
- **Outrigger Type Rear** A-Underslung
- **Outrigger Spread Rear** 10'4"/3,1 m

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TECHNICAL SPECIFICATIONS

Crane Capacity: 36,000 lbs at five feet load radius.

Maximum Tip Height: 70' height (90' with optional 20' jib)

Control Console: Dual operator standup control stations equipped with four single axis control levers for the main crane controls. Operator station includes 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 lever controls at control consoles.

Boom: Three-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 70' 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: One set of "A" Frame main outriggers with 20'10" span, and one set of underslung "A" auxiliary outriggers with a 10'4" span.

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 372-degree non-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-stage 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 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 14,845 lbs. with 18' steel-floor bed less truck.

Truck Chassis Required: Approx. 168" C.A. RBM 1,463,000 in-lb. per rail, 13,000 lb. front axle and 33,000 lb. GVWR required. Trucks must have front frame extension, 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:

20' Fixed Jib.

Radio Remote Controls.

Superlink Short Jack Outriggers.

Gravity Leveled Steel Basket.

Front Jack for 360 Degree Area of Operation.

Hydraulic Tool Circuits on Bed.

Much more...

ELLIOTT EQUIPMENT COMPANY

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MAXIMUM LIFTING CAPABILITIES

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

MAIN BOOM LOAD RATINGS											JIB LOAD RATINGS		
LOAD RADIUS (feet)	LOADED BOOM ANGLE	24 ft	LOADED BOOM ANGLE	A 33 ft	LOADED BOOM ANGLE	B 42 ft	LOADED BOOM ANGLE	C 51 ft	LOADED BOOM ANGLE	D 60 ft	LOAD RADIUS (feet)	LOADED BOOM ANGLE	JIB 20 ft
5	76	36,000									15	78	4,700
10	63	21,400	71	17,800	75	17,100	78	15,900			20	74	3,700
15	48	15,300	61	12,900	68	12,400	73	11,700	75	11,500	25	70.5	3,000
20	27	11,600	51	10,200	61	9,700	67	9,200	70	8,900	30	66.5	2,400
25			39	8,400	53	8,000	60	7,500	65	7,300	35	62.5	2,100
30			21	6,650	43	6,700	53	6,400	60	6,100	40	58.5	1,700
35					32	5,550	46	5,450	54	5,300	45	54	1,400
40					13	4,150	37	4,650	48	4,600	50	49.5	1,300
45							26	3,800	41	3,550	55	45	1,200
50									32	3,100	60	39.5	1,000
55									27	2,650	65	33.5	800
	0	7,200	0	4,700	0	3,300	0	2,400	0	1,800			
		350		250		200		150		150	DEDUCTIONS FOR STOWED FIXED LENGTH JIB		

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

NOTICE

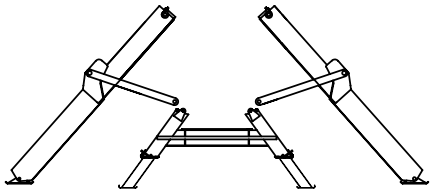
- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM
- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES
- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL

1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS:
				DOWNHAUL WEIGHT .....180 lbs ONE SHEAVE BLOCK.....375 lbs TWO SHEAVE BLOCK.....640 lbs
MAX PULL: 9,600 lbs	19,200 lbs	28,800 lbs	36,000 lbs	9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-lbs. BREAKING STRENGTH
MAX PULL: 9,060 lbs	18,120 lbs	27,180 lbs	36,000 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-lbs. BREAKING STRENGTH
MAX PULL: 7,680 lbs	15,360 lbs	23,040 lbs	30,720 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 38,400-lbs. BREAKING STRENGTH

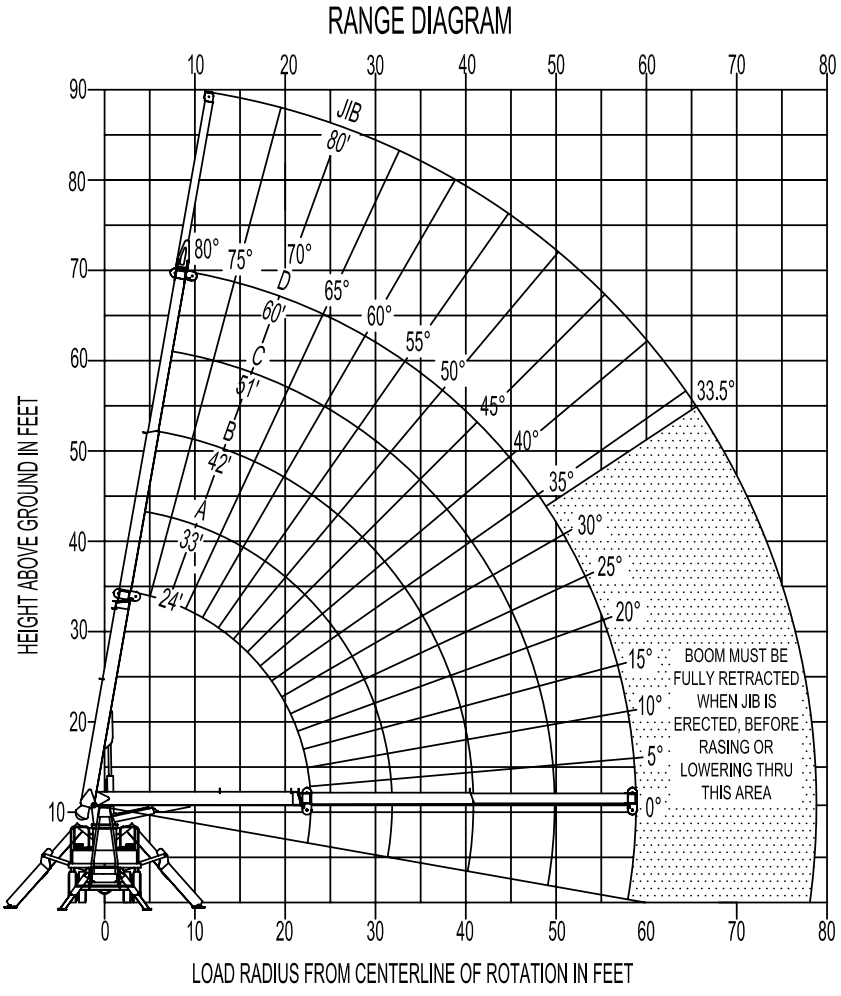
CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS 1083290 022807

MAXIMUM RANGE CAPABILITIES

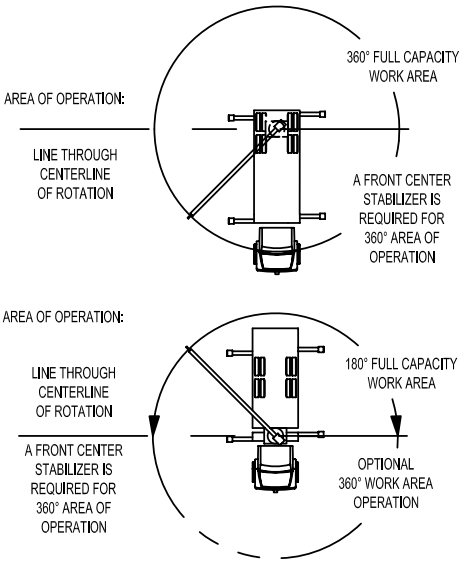


OUTRIGGERS AT FULL EXTENSION



NOTE:

1. Operate jib by radius when main boom is full extended. Increase boom angle if necessary to maintain load radius.
2. When boom is retracted, operate jib by boom angles. Do not exceed any rated jib capacities at reduced boom lengths.
3. Capacities do not exceed 85% stability.
4. Load ratings above bold line are structurally limited.
5. Personnel handling is allowed only with full span outriggers.
6. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only.



BOOMTRUCK - 1860F TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1860F BoomTruck
Wheelbase (WB)	236" / 599 cm
Cab to Axle (CA)	168" / 427 cm
Cab to End of Frame (EOF)	271" / 688 cm
Frame Section Modulus	13.3 in3-110,000 psi / 758,428 kPa
Front Axle Gross Weight Rating	13,000 lb / 5896 kg
Rear Axle Gross Weight Rating	20,000 lb / 9072 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% stbility requirements.

OPTIONS

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

Pin-On Jib Attachment
One piece fixed jib that stows on the side of the boom and pins on the boom tip for easy placement while on the worksite.

Continuous Boom Rotation
Add the convenience of 360 degree area of operation by adding a special boom rotation bearing for swinging without stops.

Superlink Short Jack Outriggers
Reduce your outrigger spread with Elliott's patented Superlink outriggers that allow straight down outrigger deployment on one side and full crane operation on the other.

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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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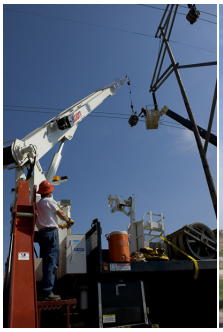
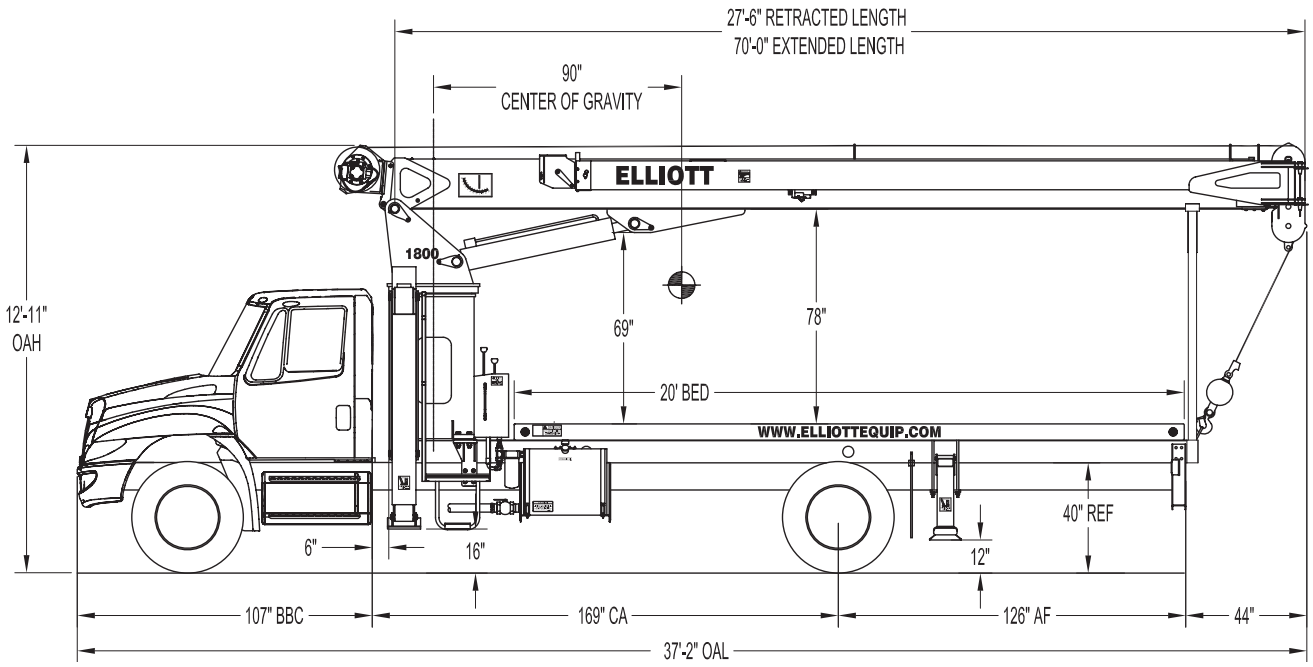
BoomTruck™ 1870F TECHNICAL SPECIFICATIONS





1870F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 120'/36,6 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 36,000 lbs/16 329 kg
- **Boom Length** 70'/21,3 m
- **Crane Weight (Dry)** 16,235 lbs/7364 kg
- **Jib Lengths** 23', 23-40'/7 m, 7-12 m
- **Winch Bare Drum Pull** 12,800 lbs/5806 kg
- **Powered Boom Sections** 3
- **Overall Height** 12'11"/3,9 m
- **Operator Controls** Dual Operator Standup Controls
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 20'10"/6,3 m
- **Outrigger Type Rear** A-Underslung
- **Outrigger Spread Rear** 10'4"/3,1 m

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TECHNICAL SPECIFICATIONS

Crane Capacity: 36,000 lbs at five feet load radius.

Maximum Tip Height: 80' height (120' with optional 40' jib)

Control Console: Dual operator standup control stations equipped with four single axis control levers for the main crane controls. Operator station includes 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 lever controls at control consoles.

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: One set of "A" Frame main outriggers with 20'10" span, and one set of underslung "A" rear outriggers with a 10'4" span.

Frame: Full length, all welded rigid 4-plate design sub-frame. Sub-frame allows for bolt-on addition of 20' 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 372-degree non-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-stage 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 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 15,615 lbs. with 20' steel-floor bed less truck.

Truck Chassis Required: Approx. 168" C.T. RBM 1,463,000 in-lb. per rail, 13,000 lb. front axle and 33,000 lb. GVWR required. Trucks must have front frame extension, 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:

40' or 23' Telescopic Jib.

Radio Remote Controls.

Superlink Short Jack Outriggers.

Gravity Leveled Steel Basket.

Front Jack for 360 Degree Area of Operation.

Rotation Resistant Wire Rope.

Hydraulic Tool Circuits on Bed.

Much more...

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MAXIMUM LIFTING CAPABILITIES

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	27-FT	LOADED BOOM ANGLE	A 34-FT	LOADED BOOM ANGLE	B 43-FT	LOADED BOOM ANGLE	C 52-FT	LOADED BOOM ANGLE	D 61-FT	LOADED BOOM ANGLE	E 70-FT
5	79	36000										
10	68	21300	73	19500	77	16500	80	15000				
15	56	15200	64	14500	70	13500	75	12000	78	10500	80	9600
20	41	11500	54	11100	63	10000	69	9000	73	8000	76	7300
25	19	8600	43	8500	55	8000	62	7200	68	6500	71	5800
30			27	6750	47	6400	56	5900	63	5400	67	4900
35					36	5000	49	4700	56	4400	62	4200
40					20	4200	41	4100	50	3900	56	3700
45							30	3500	43	3400	51	3200
50							14	2800	36	2800	45	2700
55									26	2400	39	2300
60											32	1900
65											22	1550
	0	6000	0	4200	0	3000	0	1900	0	1300	0	1000
	340		270		210		170		150		130	
	530		420		330		270		230		200	

JIB LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

23-FT FIXED LENGTH JIB		23-40 FT EXTENDABLE JIB			
LOADED BOOM ANGLE	23-FT JIB	LOADED BOOM ANGLE	23-FT JIB RETRACTED	LOADED BOOM ANGLE	40-FT JIB EXTENDED
80	4600	80	4500	80	2600
75	3700	75	3600	75	2000
70	3000	70	2900	70	1900
65	2400	65	2300	65	1800
60	2000	60	1900	60	1300
55	1600	55	1500	55	900
50	1400	50	1300	50	800
45	1100	45	1000	45	600
40	900	40	800		
35	700	35	600		

DEDUCTIONS FOR STOWED FIXED LENGTH JIB

DEDUCTIONS FOR STOWED EXTENDABLE JIB

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM

- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES

- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED

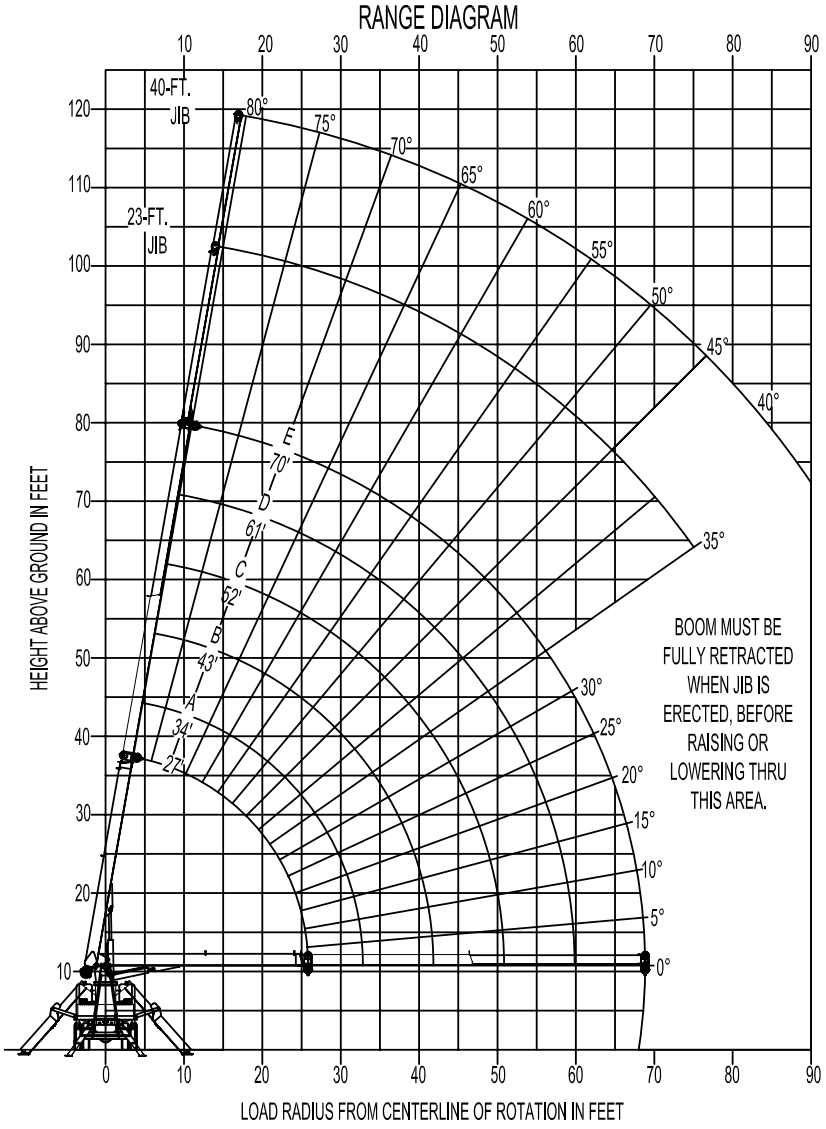
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL

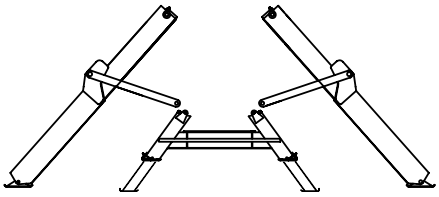
1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS:
				DOWNHAUL WEIGHT .....180 lbs ONE SHEAVE BLOCK.....375 lbs TWO SHEAVE BLOCK.....640 lbs
MAX PULL: 9,600 lbs	19,200 lbs	28,800 lbs	36,000 lbs	9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-lbs. BREAKING STRENGTH
MAX PULL: 9,060 lbs	18,120 lbs	27,180 lbs	36,000 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-lbs. BREAKING STRENGTH
MAX PULL: 7,680 lbs	15,360 lbs	23,040 lbs	30,720 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 38,400-lbs. BREAKING STRENGTH

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS 1080270 043004

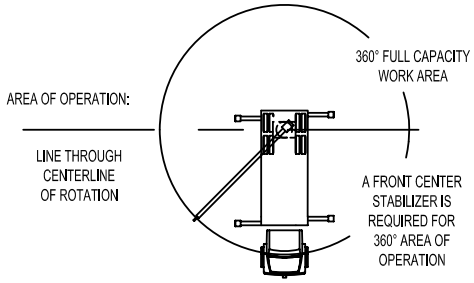
MAXIMUM RANGE CAPABILITIES

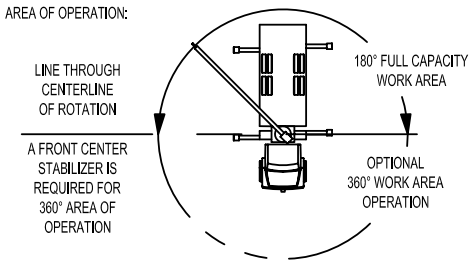



OUTRIGGERS AT FULL EXTENSION

NOTE:

1. Operate jib by radius when main boom is full extended. Increase boom angle if necessary to maintain load radius.
2. When boom is retracted, operate jib by boom angles. Do not exceed any rated jib capacities at reduced boom lengths.
3. Capacities do not exceed 85% stability.
4. Load ratings above bold line are structurally limited.
5. Personnel handling is allowed only with full span outriggers.
6. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only.





BOOMTRUCK - 1870F TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1870F BoomTruck
Wheelbase (WB)	236" / 599 cm
Cab to Axle (CA)	168" / 427 cm
Cab to End of Frame (EOF)	295" / 749 cm
Frame Section Modulus	13.3 in3-110,000 psi / 758,428 kPa
Front Axle Gross Weight Rating	13,000 lb / 5896 kg
Rear Axle Gross Weight Rating	20,000 lb / 9072 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% stbility requirements.

OPTIONS

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.

Continuous Boom Rotation
Add the convenience of 360 degree area of operation by adding a special boom rotation bearing for swinging without stops.

Superlink Short Jack Outriggers
Reduce your outrigger spread with Elliott's patented Superlink outriggers that allow straight down outrigger deployment on one side and full crane operation on the other.

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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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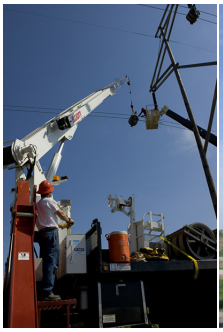
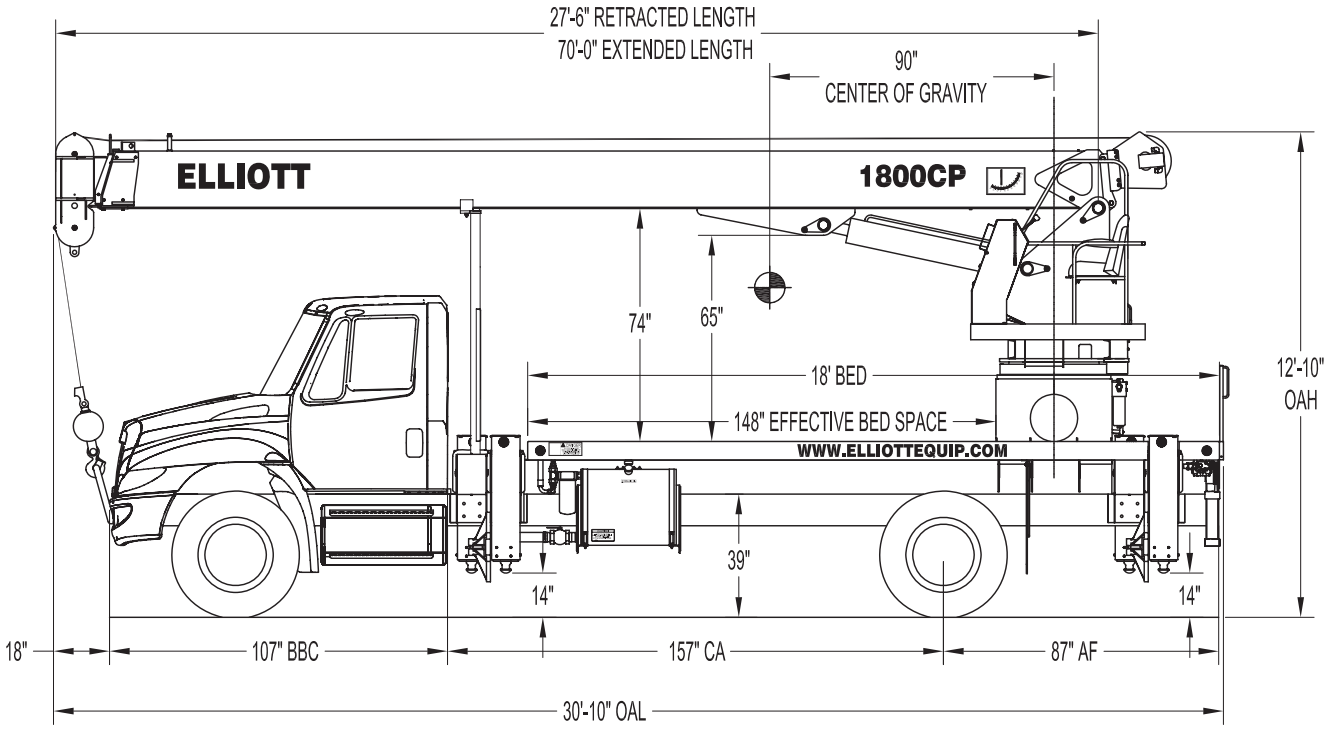
BoomTruck™ 1870CP TECHNICAL SPECIFICATIONS





1870CP SIDE VIEW DIAGRAM



• **Maximum Vertical Reach**	120'/36,6 m	• **Powered Boom Sections**	3
• **Working Area**	360 Degrees	• **Overall Height**	12'10"/3,9 m
• **Lifting Capacity**	36,000 lbs/16 329 kg	• **Operator Controls**	Rotating Single Seat
• **Boom Length**	70'/21,3 m	• **Outrigger Type Front**	Out-Down
• **Crane Weight (Dry)**	16,235 lbs/7364 kg	• **Outrigger Spread Front**	17'6"/5,3 m
• **Jib Lengths**	23', 23-40'/7 m, 7-12 m	• **Outrigger Type Rear**	Out-Down
• **Winch Bare Drum Pull**	12,800 lbs/5806 kg	• **Outrigger Spread Rear**	17'6"/5,3 m

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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 17'6" 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. 156" 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 Leveled Steel Basket.

Rotation Resistant Wire Rope.

Hydraulic Tool Circuits on Bed.

Much More...

ELLIOTT EQUIPMENT COMPANY

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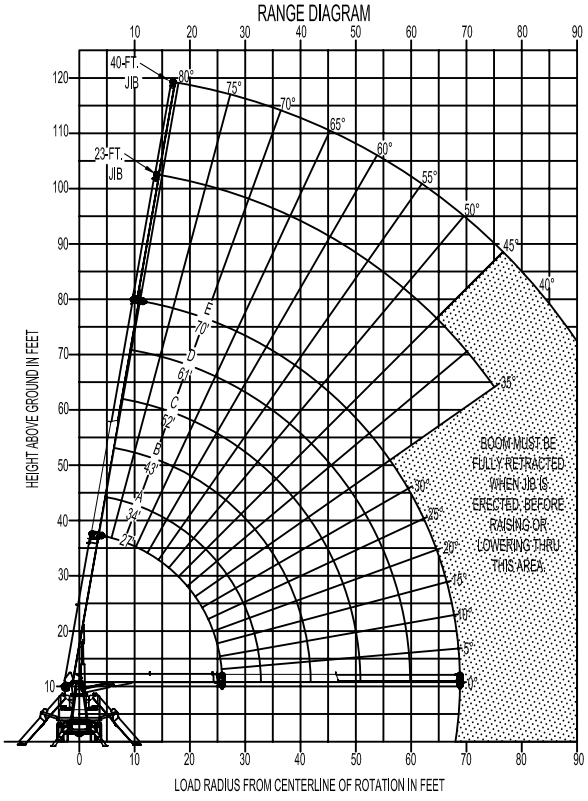
MAXIMUM LIFTING AND RANGE CAPABILITIES

ELLIOTT EQUIPMENT COMPANY — MODEL 1800 — 70-FT.BOOM

RANGE DIAGRAM



MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	27-FT	LOADED BOOM ANGLE	A 34-FT	LOADED BOOM ANGLE	B 43-FT	LOADED BOOM ANGLE	C 52-FT	LOADED BOOM ANGLE	D 61-FT	LOADED BOOM ANGLE	E 70-FT
5	79	36000										
10	68	21300	73	19500	77	16500	80	15000				
15	56	15200	64	14500	70	13500	75	12000	78	10500	80	9600
20	41	11500	54	11100	63	10000	69	9000	73	8000	76	7300
25	19	8600	43	8500	55	8000	62	7200	68	6500	71	5800
30			27	6750	47	6400	56	5900	63	5400	67	4900
35					36	5000	49	4700	56	4400	62	4200
40					20	4200	41	4100	50	3900	56	3700
45							30	3500	43	3400	51	3200
50							14	2800	36	2800	45	2700
55									26	2400	39	2300
60											32	1900
65											22	1550
	0	6000	0	4200	0	3000	0	1900	0	1300	0	1000
	340		270		210		170		150		130	DEDUCTIONS FOR STOWED FIXED LENGTH JIB
	530		420		330		270		230		200	DEDUCTIONS FOR STOWED EXTENDABLE JIB

JIB LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED

23-FT FIXED LENGTH JIB		23-40 FT EXTENDABLE JIB			
LOADED BOOM ANGLE	23-FT JIB	LOADED BOOM ANGLE	23-FT JIB RETRACTED	LOADED BOOM ANGLE	40-FT JIB EXTENDED
80	4600	80	4500	80	2600
75	3700	75	3600	75	2000
70	3000	70	2900	70	1900
65	2400	65	2300	65	1800
60	2000	60	1900	60	1300
55	1600	55	1500	55	900
50	1400	50	1300	50	800
45	1100	45	1000	45	600
40	900	40	800		
35	700	35	600		

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND ALL DECALS IN ADDITION TO THE OPERATION AND SAFETY MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN THE OPERATION AND SAFETY MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE APPLYING A LOAD SHOULD BE GREATER TO ACCOUNT FOR DEFLECTION. DO NOT EXCEED THE OPERATING RADIUS FOR A BOOM LENGTH AND LOAD RATING.
4. THE JIB LOAD RATING CHART IS BASED ON THE LOADED BOOM ANGLES OF THE MAIN BOOM AND NOT THE LOAD RADIUS. DO NOT EXCEED JIB LOAD RATINGS AT REDUCED BOOM LENGTHS.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
6. FOR BOOM LENGTHS NOT SHOWN, USE THE RATING OF NEXT LONGER BOOM LENGTH, FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS AND STABILIZERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON THE SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST THE BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
10. IF ANY OPERATIONAL AID SUCH AS ANTI-2-BLOCK, OVERLOAD SYSTEM OR LEVELING INDICATOR IS MALFUNCTIONING OR INOPERATIVE, DISCONTINUE USE IMMEDIATELY AND CONTACT A QUALIFIED REPAIR FACILITY.
11. CAPACITY INDICATING/LIMITING DEVICES SHOULD NOT BE RELIED UPON TO REPLACE THE USE OF CAPACITY CHARTS AND PROPER OPERATING PROCEDURES.

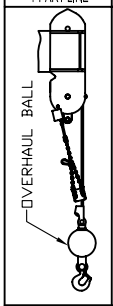
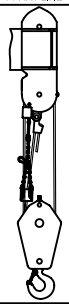
INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED CAPACITIES FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, LOAD BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM CARRIER WHEELS.
3. LOAD RATINGS ABOVE THE BOLD LINE ARE STRUCTURALLY LIMITED AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH A LOAD APPLIED.
2. LOADED BOOM ANGLES, SHOWN ABOVE, ARE THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXIS OF THE BOOM BASE AFTER LIFTING RATED LOAD AT THE RATED RADIUS.

ALLOWABLE LINE PULL

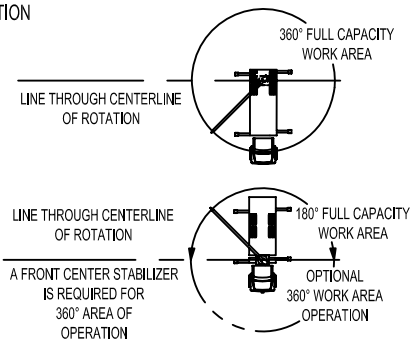
1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	NOTICE
				- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM - KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES - USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED - ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL -MAXIMUM CAPACITY WITH "BURST OF SPEED" IS 500 LBS.
9600-LBS.	19200-LBS.	28800-LBS.	36000-LBS.	9/16" - 6 x 37 IWRC (3.5:1 S.F.) 33,600-LBS. BREAKING STRENGTH
9060-LBS.	18120-LBS.	27180-LBS.	36000-LBS.	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-LBS. BREAKING STRENGTH
7680-LBS.	15360-LBS.	23040-LBS.	30720-LBS.	9/16" - SPIN RESISTANT (5:1 S.F.) 38,400-LBS. BREAKING STRENGTH

OVERHAUL BALL

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES SUPPLIED BY ELLIOTT EQUIPMENT CO,
OVERHAUL BALL ---------- SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK ---------- SEE BLOCK MFGR. NAMEPLATE
SWING AROUND JIB ---------- SEE LOAD RATING CHART

WARNING:
LIFTING OFF THE MAIN BOOM WHILE JIB IS ERECTED IS NOT INTENDED OR APPROVED

AREA OF OPERATION



CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE | DO NOT PAINT OVER ANY LABELS 1080270 071907

ELLIOTT EQUIPMENT COMPANY
Elliott Equipment Company
3514 South 25th Street
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BOOMTRUCK - 1870CP TECHNICAL SPECIFICATIONS

CHASSIS SPECIFICATIONS

	1870CP BoomTruck
Wheelbase (WB)	224" / 569 cm
Cab to Axle (CA)	156" / 396 cm
Cab to End of Frame (EOF)	247" / 627 cm
Frame Section Modulus	13.3 in3-110,000 psi
Front Axle Gross Weight Rating	13,000 lb / 5896 kg
Rear Axle Gross Weight Rating	20,000 lb / 9072 kg
Integral Front Frame Rails	Not Applicable

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% stbility requirements.

OPTIONS

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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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Built for You.
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1881TM BOOMTRUCK

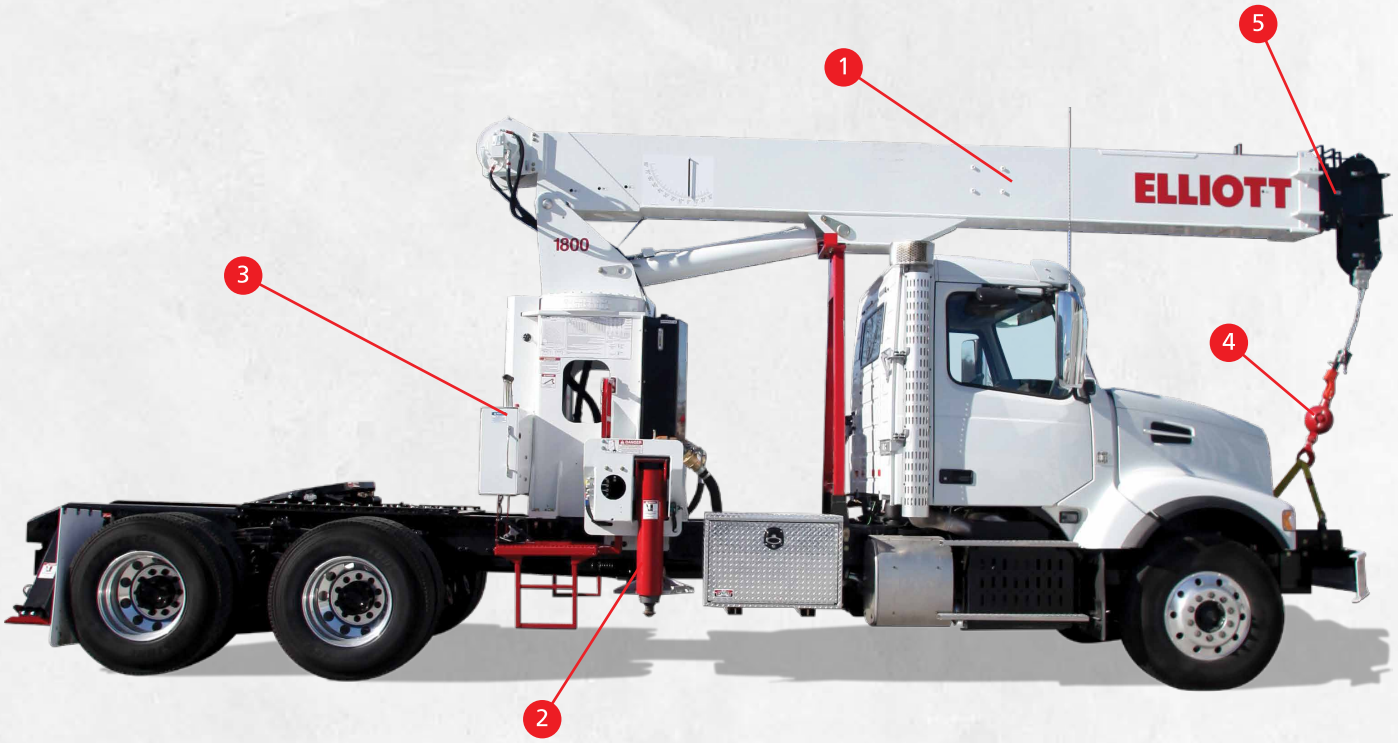
ELLIOTT EQUIPMENT COMPANY
Built for You.

KEY FEATURES

1. Proven 5-section boom is reliable and easy to maintain
2. Out-and-down outriggers with mid-span and optional short-jacking allow for setup in tight spaces and on uneven ground
3. Operator friendly controls with simple to use Hydraulic Load Limiter (HLL) overload protection system
4. Front bumper winch control makes teardown a snap
5. Radio anti two block eliminates wires and related service issues
6. Backed by a two-year parts and labor warranty and lifetime structural warranty

TECHNICAL SPECS

LIFTING CAPACITY	36,000 LBS / 16329 KG
BOOM LENGTH	81' / 24,7 M
BOOM SECTIONS	5
WINCH BARE DRUM PULL	12,800 LBS / 5806 KG
WINCH SINGLE LINE PULL	9,600 LBS / 4354 KG
OUTRIGGER TYPE FRONT	OUT-DOWN
OUTRIGGER TYPE REAR	"A" STAB



Powerful, Two-Speed Winch
181 fpm 4th layer line speed and 288 fpm burst of speed for more work in less time.

Redesigned Control Station
Electronic outrigger controls, electronic foot throttle, cup holder, and more.

Full and Mid-Span Outriggers
New design makes changing outrigger spans easy and convenient.

Weight Optimization
Engineered to maximize hauling capacity without requiring permits.

1881TM BOOMTRUCK

FEATURES

Winch: 275' of 9/16" diameter 6x37 EIPS wire rope and a 9,600 lb. single line pull.

Controls: Dual operator control consoles with independent outrigger controls, foot throttle, cup holder, 12V power outlet, and more.

Outriggers: Out-and-down outriggers equipped with removable ball socket aluminum pads. Full and mid-span charts. "A" type rear underframe stabilizers behind rear axle.

Certification: Manufactured to ASME B30.5 for Mobile Cranes.

**Specifications are subject to change.*

CHASSIS CONFIGURATION

GROSS AXLE WEIGHT RATING (FRONT)	20,000 LBS / 9072 KG
GROSS AXLE WEIGHT RATING (REAR)	40,000 LBS / 18 144 KG
WHEELBASE (WB)	260" / 6600 MM
CAB TO AXLE (CA/CT)	167" / 4242 MM
AFTERFRAME (AF)	75" / 1905 MM
FRAME STRENGTH (RBM)	3,200,000 RBM

AVAILABLE OPTIONS

Front Stabilizer for 360 Degree Work Area

Automatic Safety Rotation Lockout (Prevents Boom From Rotating to Side Where Out-Down Outriggers Are Not Fully Extended Horizontally)

Spin Resistant Rope in Lieu of Standard

15 or 20-Ton Hook Block for Up to 4 Parts of Line

Hydraulic Oil Cooler with Electric Fan

Continuous Rotation

Metric Load/Range Charts

Spanish Language Decals and Manuals

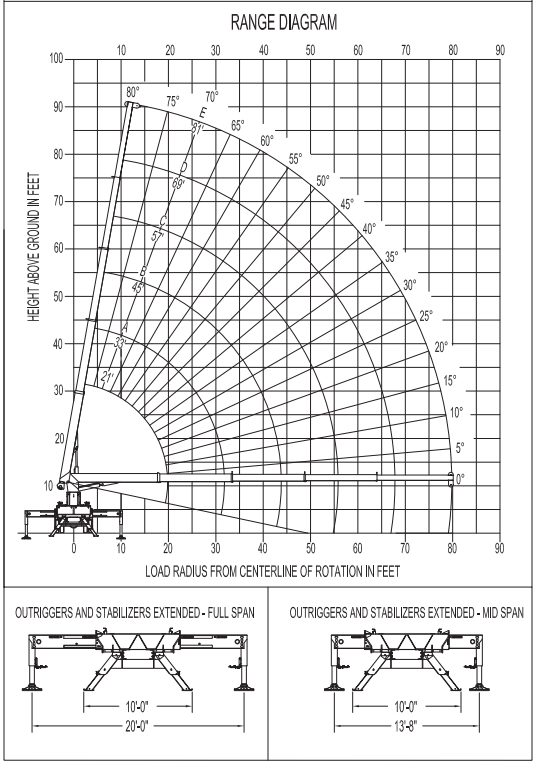
Ship-Out Kit

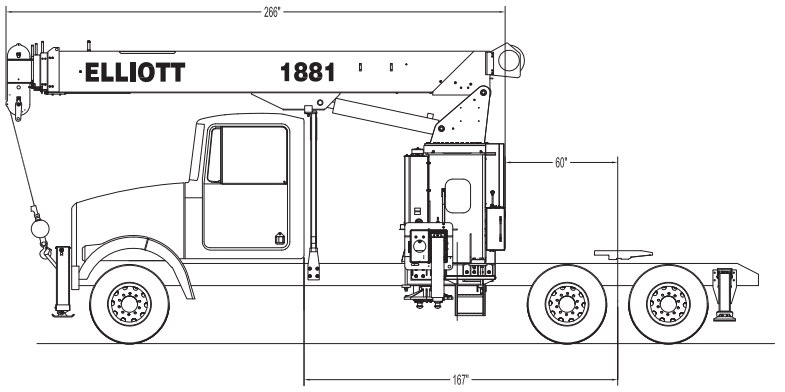
MAIN BOOM LOAD RATINGS

LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED - FULL SPAN

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	21-ft	LOADED BOOM ANGLE	A 33-ft	LOADED BOOM ANGLE	B 45-ft	LOADED BOOM ANGLE	C 57-ft	LOADED BOOM ANGLE	D 69-ft	LOADED BOOM ANGLE	E 81-ft
5	75	36,000										
10	59	19,400	72	17,100	77	16,200						
15	40	14,600	62	12,200	70	11,300	75	10,300	78	9,900		
20			51	9,900	64	8,500	70	8,000	74	7,300	76	6,800
25			39	7,800	56	7,300	65	6,300	70	6,000	73	5,400
30					48	6,000	59	5,100	65	4,800	69	4,500
35					38	4,900	52	4,600	60	4,000	65	3,800
40					25	3,900	46	3,900	55	3,500	61	3,100
45							38	3,200	50	3,000	57	2,700
50							28	2,700	44	2,600	53	2,500
55							11	1,800	37	2,200	48	2,100
60									29	1,800	43	1,800
65											37	1,500
70											30	1,200
75											22	900
	0	7,400	0	3,800	0	2,100	0	1,100	0	500		

ELLIOTT EQUIPMENT COMPANY MODEL 1800 81-FT.BOOM





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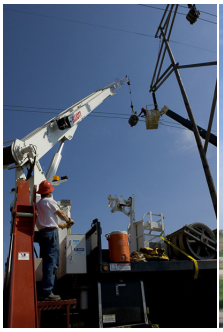
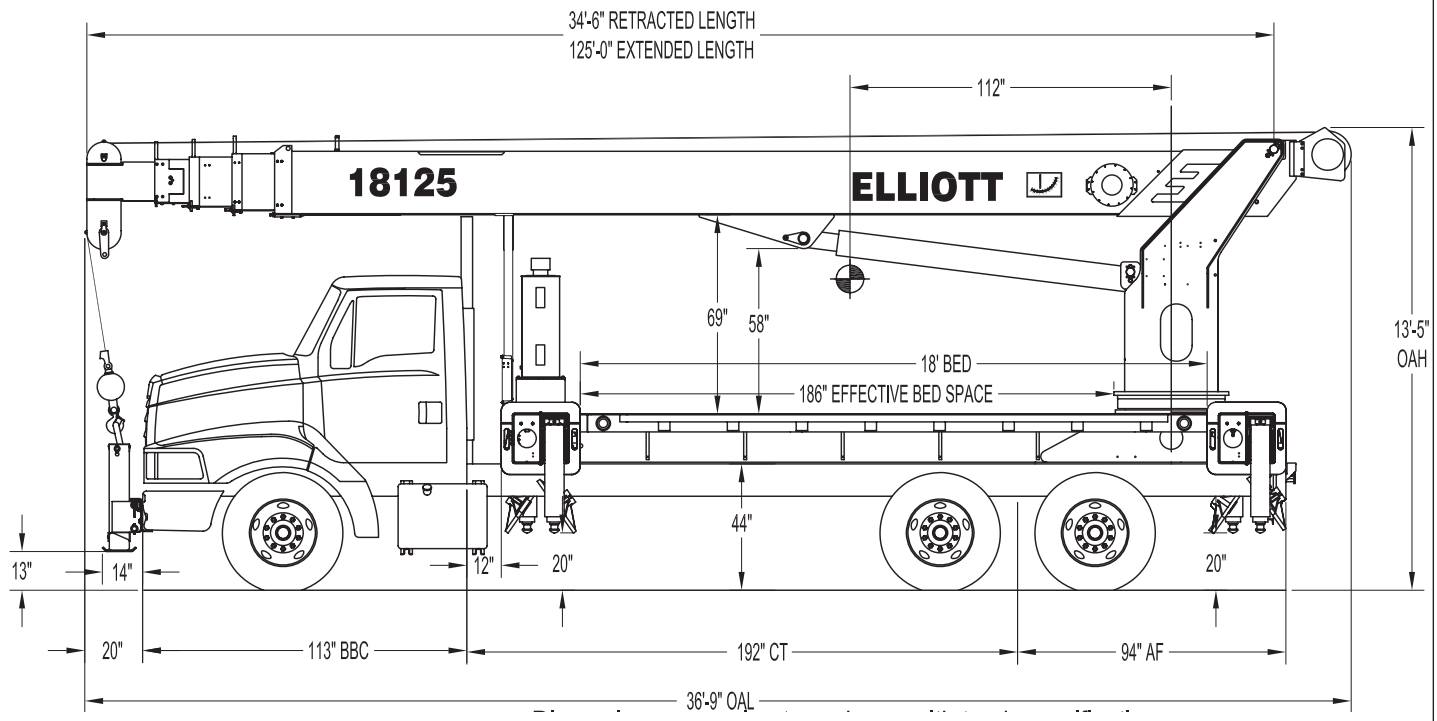
BoomTruck™ 18125R TECHNICAL SPECIFICATIONS





18125R SIDE VIEW DIAGRAM



• **Maximum Vertical Reach**	137'/41.7 m	• **Powered Boom Sections**	5
• **Working Area**	360 Degrees Standard	• **Overall Height**	13'5"/4.1 m
• **Lifting Capacity**	36,000 lbs/16,329 kg	• **Operator Controls**	Rotating Standup
• **Boom Length**	125'/38.1 m	• **Outrigger Type Front**	Out-Down
• **Crane Weight (Dry)**	27,500 lbs/12,474 kg	• **Outrigger Spread Front**	20'/6.1 m
• **Jib Lengths**	N/A	• **Outrigger Type Rear**	Out-Down
• **Winch Bare Drum Pull**	12,800 lbs/5,806 kg	• **Outrigger Spread Rear**	20'/6.1 m

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TECHNICAL SPECIFICATIONS

Crane Capacity: 36,000 lbs at 6' load radius.

Maximum Tip Height: 137' height.

Control Console: Rotating turret single operator standup control station equipped with four single axis control levers for the main crane controls. Operator station includes LMI display, bubble level gauge, engine start/stop switch, signal horn button, variable speed throttle switch, lifting capacity chart, range diagram chart, boom angle indicator, system pressure gauge, 12V DC power source, and cup holder. Independent ground level electric operated outrigger controls.

Boom: Five-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 137' 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 9,060 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 outriggers with 20' span. Single front bumper stabilizer required.

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 360 degree 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 two-stage 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 air-shift PTO, piston 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 closed center type.

Oil Tank Capacity:143 gallon mounted to truck frame on roadside.

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 and boxes black.

Bumper: Bureau of Motor Carrier Safety rear bumper.

Weight: Approximately 27,500 lbs. with 18' steel-floor bed less truck.

Truck Chassis Required: Approx. 192" C.A. RBM 3,300,000 in-lb. per rail, 20,000 lb. front axle and 60,000 lb. GVWR required. Trucks must have front frame extension, 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:

Rotating Enclosed Crane Cab with Diesel Heater.

Radio Remote Controls.

Gravity Leveled and Rotating Steel Work Platform.

Roadable Yoke-Style and Gravity Leveled Work Platform.

Hydraulic Tool Circuits on Bed.

Much More...

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LOAD CHART - MAIN BOOM, FULL-SPAN OUTRIGGERS

ELLIOTT EQUIPMENT COMPANY

MODEL 1800 125-ft BOOM

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

MAIN BOOM LOAD RATINGS

LOAD RATINGS IN lbs WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	31-ft	LOADED BOOM ANGLE	A 46-ft	LOADED BOOM ANGLE	B 62-ft	LOADED BOOM ANGLE	C 78-ft	LOADED BOOM ANGLE	D 94-ft	LOADED BOOM ANGLE	E 110-ft	LOADED BOOM ANGLE	F 126-ft
6	78.5	36,000												
8	74.5	31,000												
10	70.5	28,500	78	22,200										
12	66	26,000	75.5	22,200										
14	61.5	22,900	73	22,200	78.5	22,000								
16	57	19,000	70	19,600	76.5	20,000								
18	52	16,200	67.5	16,600	74.5	17,000								
20	46	13,800	64.5	14,300	72.5	14,650	78	15,200						
25	28	10,000	57	10,500	67.5	10,800	77.5	11,700	77.5	9,400				
30			48.5	7,950	62	8,200	73.5	9,000	74.5	7,800	77.5	6,850	80	4,400
35			38.5	6,150	57	6,400	69.5	7,100	71	6,700	74.5	5,850	77.5	4,400
40			25.5	4,800	51	5,150	65.5	5,700	67.5	5,500	72	5,050	75	4,400
45					44	4,100	61	4,650	64	4,450	69	4,600	72.5	4,000
50					36	3,250	56.5	3,800	60.5	3,600	66	3,600	70	3,550
55					25	2,600	52	3,150	56.5	2,950	63	2,950	67.5	3,150
60							46.5	2,550	52.5	2,400	60	2,400	65	2,600
65							40.5	2,050	48.5	1,950	56.5	1,800	62	2,150
70							33.5	1,600	43.5	1,550	53.5	1,400	59.5	1,750
75							25	1,200	38.5	1,150	49.5	1,100	56.5	1,400
80									32.5	800	46	750	53.5	1,100
85											41.5	500	50.5	800
90													47	500
	0	7,000	0	3,800	0	2,000	0	900						

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM

- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES

- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED

- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL

1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE
			
MAX PULL: 9,060 lbs	18,120 lbs	27,180 lbs	36,000 lbs

9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-lbs. BREAKING STRENGTH

ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS:
DOWNHAUL WEIGHT .....180 lbs
ONE SHEAVE BLOCK.....375 lbs
TWO SHEAVE BLOCK.....640 lbs

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS 1111850 042606

Elliott Equipment Company
3514 South 25th Street
Omaha, NE 68105
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Fax: 402-592-4553
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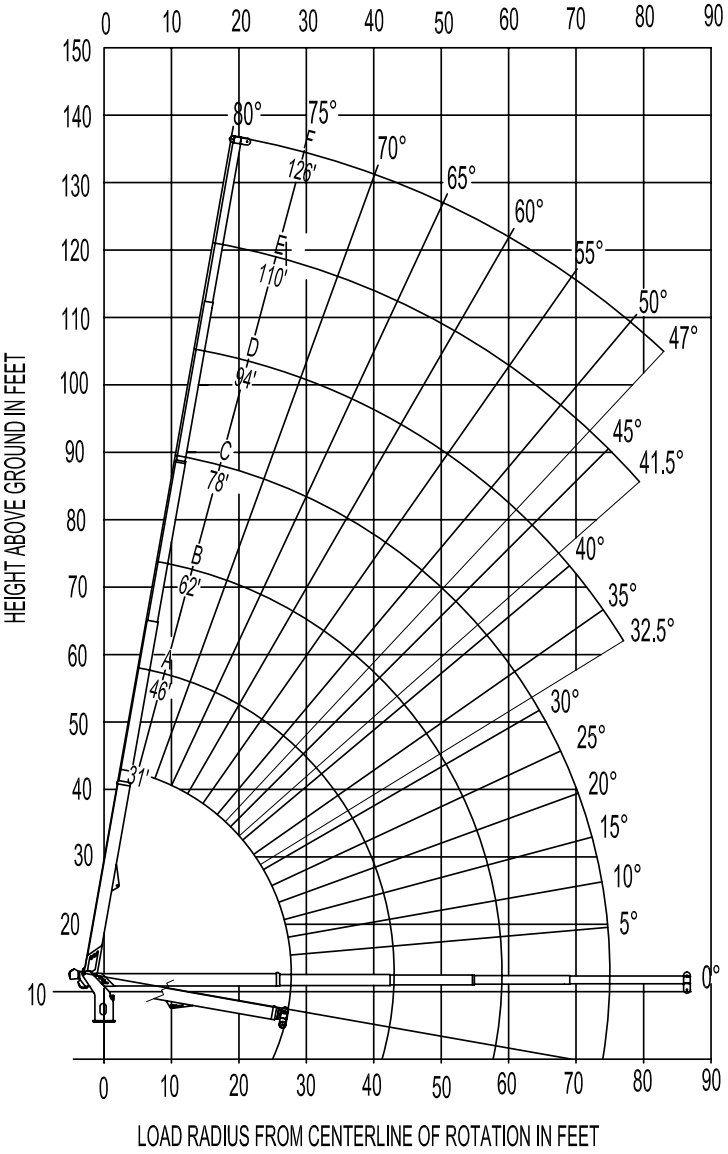
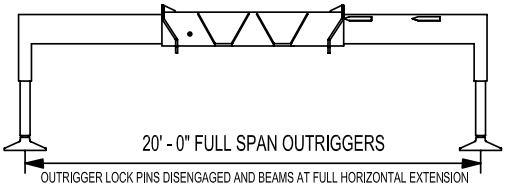
RANGE CHART - MAIN BOOM + JIB, FULL-SPAN OUTRIGGERS

ELLIOTT EQUIPMENT COMPANY

MODEL 1800 125-ft BOOM

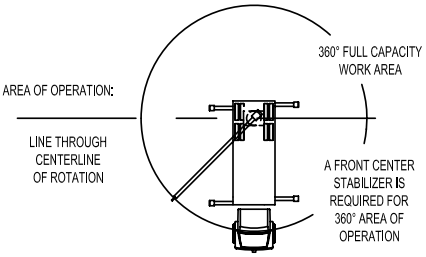
RANGE DIAGRAM WITH FULL SPAN OUTRIGGERS





NOTE:

1. Operate jib by radius when main boom is full extended. Increase boom angle if necessary to maintain load radius.
2. When boom is retracted, operate jib by boom angles. Do not exceed any rated jib capacities at reduced boom lengths.
3. Capacities do not exceed 85% stability.
4. Load ratings above bold line are structurally limited.
5. Personnel handling is allowed only with full span outriggers.
6. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only.



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CHASSIS SPECIFICATIONS

	1870F BoomTruck
Wheelbase (WB)	256" / 650 cm
Cab to Axle (CA)	192" / 488 cm
Cab to End of Frame (EOF)	286" / 726 cm
Frame Section Modulus	30.0 in3-110,000 psi / 758,428 kPa
Front Axle Gross Weight Rating	20,000 lb / 9072 kg
Rear Axle Gross Weight Rating	40,000 lb / 18 144 kg
Integral Front Frame Rails	Required

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% stbility 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.

Air Conditioning in Crane Cab
Work all day in comfort with an high efficiency air conditioning system mounted on the rear of the crane control cab.

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

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 compatability by adding hose reels or hydraulic circuits to the crane bed.

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