



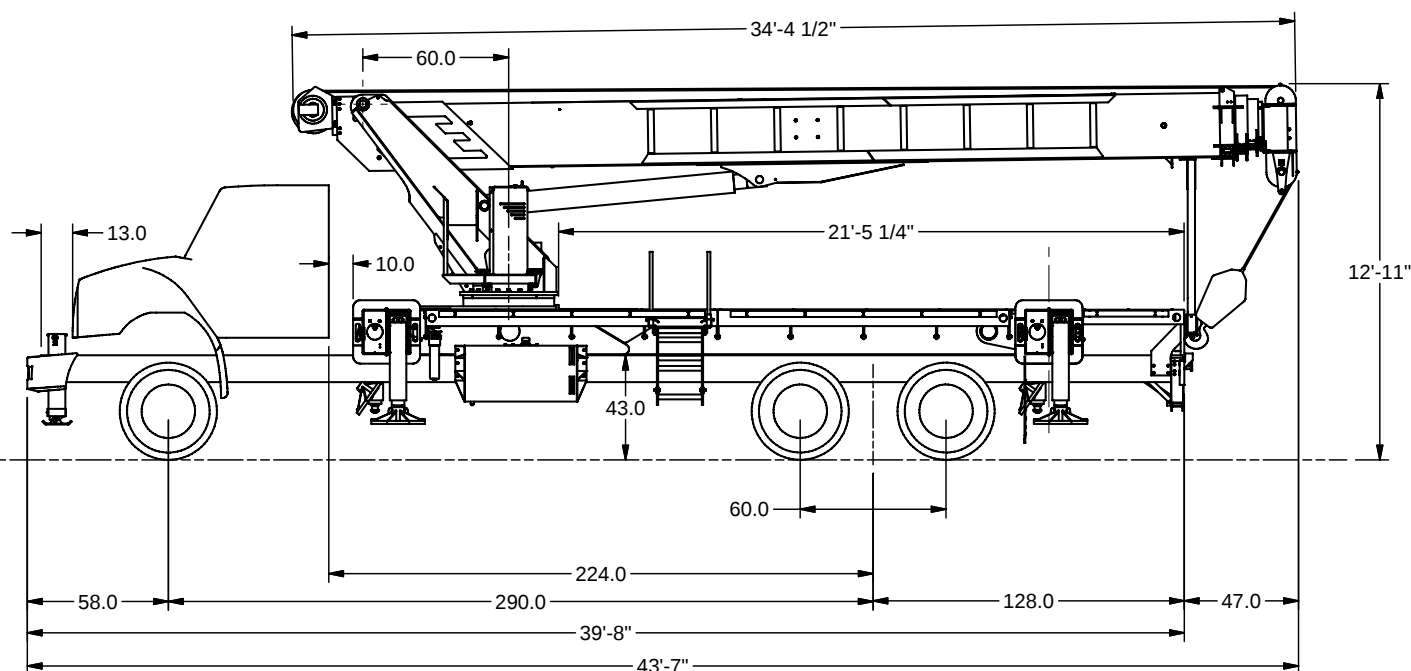
BoomTruck™

36127F

TECHNICAL SPECIFICATIONS



36127F SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 186'57 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 72,000 lbs/32,659 kg
- **Boom Length** 127'/39m
- **Crane Weight (Standard)** 33,585 lbs/15,234 kg
- **Jib Lengths** 32-49' / 10-15 m
- **Winch Bare Drum Pull** 12,800 lbs/5,806 kg

- **Powered Boom Sections** 5
- **Overall Height** 12'11"/3.9 m
- **Operator Controls** Rotating Standup
- **Outrigger Type Front** Out-Down
- **Outrigger Spread Front** 21'2"/6.4 m
- **Outrigger Type Rear** Out-Down
- **Outrigger Spread Rear** 21'2"/6.4 m

ELLIOTT
EQUIPMENT COMPANY

Elliott Equipment Company
4427 South 76th Circle
Omaha, NE 68127

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**BOOMTRUCK - 36127F****TECHNICAL SPECIFICATIONS****TECHNICAL SPECIFICATIONS**

Crane Capacity: 72,000 lbs at 5' load radius.

Maximum Tip Height: 137' height (186' with optional 49' jib)

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 three 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 425' of 9/16" diameter rotation resistant 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 overframe outriggers with 21'2" span. Outriggers are configured for full span or mid span operation. Outriggers equipped with ball socket aluminum removable pads that stow on vertical outrigger legs.

Frame: Full length, all welded rigid 4-plate design sub-frame. Sub-frame allows for bolt-on addition of 21'5" aluminum bed wings, with top plate of subbase serving as a portion of the bed deck, to form a three-piece 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 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 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: 120 gallon mounted to truck frame on roadside.

Cab Equipment: PTO 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 boxes black.

Bumper: Bureau of Motor Carrier Safety rear bumper.

Weight: Approximately 33,585 lbs. with 21'5" bed wings less truck.

Truck Chassis Required: Approx. 224" C.T. RBM 3,300,000 in-lb. per rail, 20,000 lb. front axle and 73,000 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:

32' to 49' 2 Piece Telescopic Jib

Radio Remote Controls

Gravity-Leveled Steel Basket

Tool Box Configurations

Front Jack for 360 Degree Crane Operation

Line Blocks for Multi-Part Line

Hydraulic Oil Cooler

Much more....

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

**BOOMTRUCK - 36127F****TECHNICAL SPECIFICATIONS****MAXIMUM LIFTING CAPABILITIES - FULL SPAN OUTRIGGERS**
ELLIOTT
EQUIPMENT COMPANY

MODEL 3600 127-ft BOOM

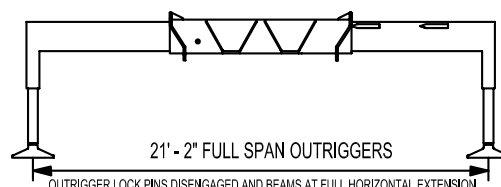
LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

MAIN BOOM LOAD RATINGS (lbs)

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	32-ft	LOADED BOOM ANGLE	A 52-ft	LOADED BOOM ANGLE	B 70-ft	LOADED BOOM ANGLE	C 90-ft	LOADED BOOM ANGLE	D 110-ft	LOADED BOOM ANGLE	E 127-ft
5	73.0	72,000										
8	67.0	54,000										
10	63.0	48,000	73.2	36,000								
12	60.0	43,000	70.9	36,000								
15	53.0	33,500	67.4	31,000	74.7	28,000						
20	40.0	23,550	61.3	24,300	69.5	23,000	76.0	18,000				
25	23.0	17,400	54.8	18,200	66.0	18,000	72.5	17,500	77.0	14,200	80.0	8,800
30			47.7	14,000	62.0	14,300	69.0	14,500	74.2	12,900	77.5	8,400
35			39.7	11,150	56.5	11,400	65.0	11,500	71.0	11,400	75.0	8,000
40			30.1	8,950	51.9	9,000	61.0	9,400	68.0	9,500	72.5	7,500
45			15.9	7,250	45.5	7,500	57.0	7,700	65.0	7,800	70.0	7,000
50					40.0	6,100	53.5	6,300	61.5	6,400	67.0	6,450
55					33.0	5,000	49.5	5,200	58.5	5,300	64.5	5,350
60					24.0	4,000	45.2	4,200	55.0	4,300	62.0	4,400
65							40.5	3,300	51.3	3,500	59.5	3,550
70							34.0	2,600	48.0	2,700	56.0	2,800
75							28.0	2,050	44.4	2,150	53.5	2,200
80							20.0	1,500	40.6	1,600	50.0	1,700
85									36.5	1,150	44.0	1,200
90									31.5	800	44.3	850
95											40.0	500
0		15,550	0	6,900	0	3,200	0	1,100				
		1,000		650		450		400		300		250
									30.0		40.0	
									90'			

JIB LOAD RATINGS (lbs)

32-49 ft. EXTENDABLE JIB					
LOAD RADIUS (FT)	LOADED BOOM ANGLE	32ft JIB RETRACTED	LOAD RADIUS (FT)	LOADED BOOM ANGLE	49-ft JIB EXTENDED
30	80.0	3,400			
46	75.0	3,200	33	80.0	2,200
60	70.0	2,700	50	75.0	2,200
73	65.0	2,100	65	70.0	1,600
85	60.0	1,700	80	65.0	1,000
95	55.0	1,200			


 ELLIOTT EQUIPMENT CO. SUPPLIED
LOADLINE EQUIPMENT DEDUCTIONS:

 DOWNHAUL WEIGHT 180 lbs
 ONE SHEAVE BLOCK 236 lbs
 TWO SHEAVE BLOCK 291 lbs
 THREE SHEAVE BLOCK 639 lbs
 FOUR SHEAVE BLOCK 762 lbs
 AUXILIARY SHEAVE 100 lbs
DEDUCTIONS FOR STOWED EXTENDABLE JIB (lbs)

MINIMUM BOOM ANGLE (°) FOR INDICATED LENGTH (NO LOAD)

MAXIMUM BOOM LENGTH (FT) AT 0° BOOM ANGLE (NO LOAD)

1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	5-PART LINE	6-PART LINE	7-PART LINE	8-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.
MAX PULL: 9,600 lbs	19,200 lbs	28,800 lbs	38,400 lbs	48,000 lbs	57,600 lbs	67,200 lbs	72,000 lbs	9/16" - 6 x 37 (WRC 3,511 S.F.) 33,600-lbs. BREAKING STRENGTH
MAX PULL: 9,060 lbs	18,120 lbs	27,180 lbs	36,240 lbs	45,300 lbs	54,360 lbs	63,420 lbs	72,000 lbs	9/16" - SPIN RESISTANT (S1 S.F.) 45,300-lbs. BREAKING STRENGTH

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PAINT OVER ANY LABELS

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BOOMTRUCK - 36127F

TECHNICAL SPECIFICATIONS

MAXIMUM LIFTING CAPABILITIES - MID SPAN OUTRIGGERS

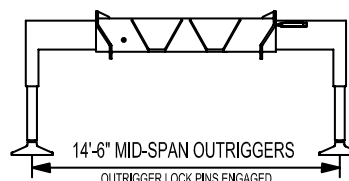
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MODEL 3600 127-ft BOOM
LOAD RATINGS WITH OUTRIGGERS AT MID-SPAN POSITION

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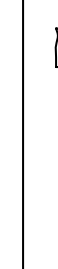
JIB LOAD RATINGS (lbs)			
32-49 ft EXTENDABLE JIB			
LOAD RADIUS (FT)	LOADED BOOM ANGLE	32ft JIB RETRACTED	
30	80.0	3,400	
46	75.0	3,200	
60	70.0	1,500	

LOAD RADIUS (FT)	LOADED BOOM ANGLE	49-ft JIB EXTENDED
33	80.0	2,200
50	75.0	2,200
65	70.0	900



ELLIOTT EQUIPMENT CO. SUPPLIED
LOADLINE EQUIPMENT DEDUCTIONS:

DOWNHAUL WEIGHT	180 lbs
ONE SHEAVE BLOCK.....	236 lbs
TWO SHEAVE BLOCK.....	291 lbs
THREE SHEAVE BLOCK.....	639 lbs
FOUR SHEAVE BLOCK.....	762 lbs
AUXILIARY SHEAVE.....	100 lbs

	1,000	650	450	400	300	250	DEDUCTIONS FOR STOWED EXTENDABLE JIB (lbs)	
		30.0	45.0	55.0	60.0	MINIMUM BOOM ANGLE (°) FOR INDICATED LENGTH (NO LOAD)		
		70'	MAXIMUM BOOM LENGTH (FT) AT 0° BOOM ANGLE (NO LOAD)					
1-PART LINE	2-PART LINE	3-PART LINE	4-PART LINE	5-PART LINE	6-PART LINE	7-PART LINE	8-PART LINE	NOTICE
								- DO NOT DEADEND 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.
MAX PULL: 9,600 lbs	19,200 lbs	28,800 lbs	38,400 lbs	48,000 lbs	57,600 lbs	67,200 lbs	72,000 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	36,240 lbs	45,300 lbs	54,360 lbs	63,420 lbs	72,000 lbs	9/16" - SPIN RESISTANT (5:1 S.F.) 45,300-lbs. BREAKING STRENGTH

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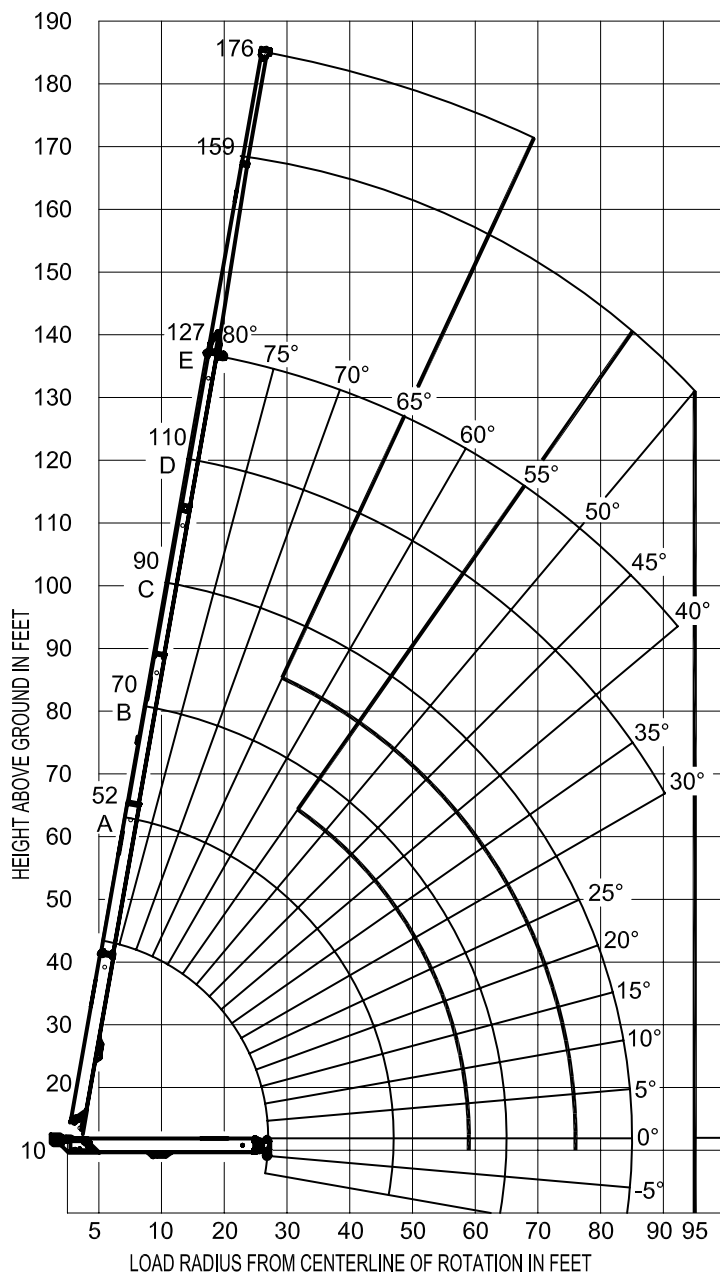
MAXIMUM RANGE CAPABILITIES - FULL SPAN OUTRIGGERS

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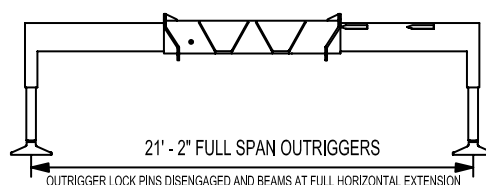
MODEL 3600

127-ft BOOM

RANGE DIAGRAM WITH FULL SPAN OUTRIGGERS



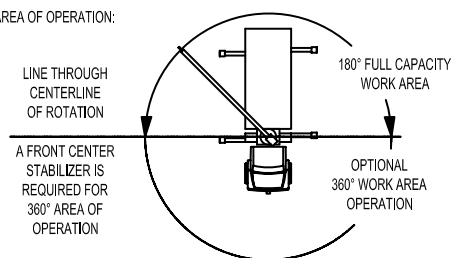
BOOM DEFLECTION NOT SHOWN



NOTE:

1. Operate jib by radius when main boom is fully 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:

STABILITY LIMIT LINE
(NO LOAD)

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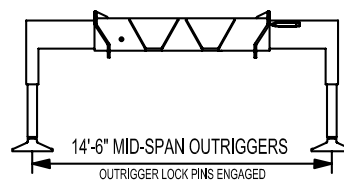
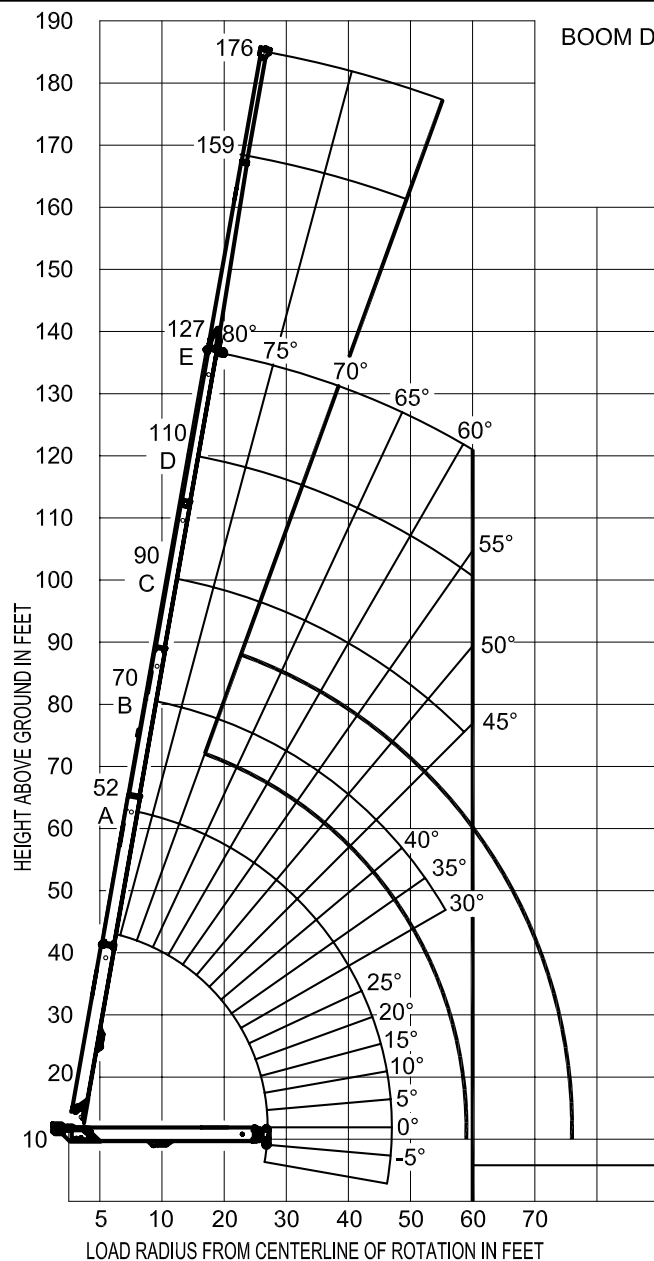


BOOMTRUCK - 36127F

TECHNICAL SPECIFICATIONS

MAXIMUM RANGE CAPABILITIES - MID SPAN OUTRIGGERS

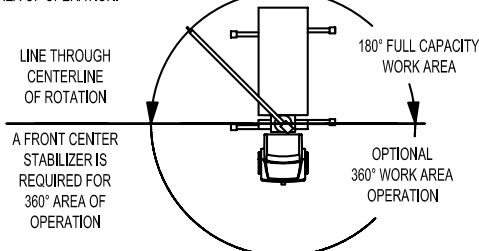
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EQUIPMENT COMPANY

MODEL 3600 127-ft BOOM
RANGE DIAGRAM WITH OUTRIGGERS IN MID-SPAN POSITION


NOTE:

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AREA OF OPERATION:


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(NO LOAD)**

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**BOOMTRUCK - 36127F****TECHNICAL SPECIFICATIONS****TRUCK CHASSIS SPECIFICATIONS**

	36127F BoomTruck
Wheelbase (WB)	290" / 736 cm
Cab to Tandem (CT)	224" / 569 cm
Cab to End of Frame (EOF)	352" / 894 cm
Frame Section Modulus	30.0 in3-110,000 psi / 492 cm3-758,428 kPa
Front Axle Gross Weight Rating	20,000 lb / 9,071 kg
Rear Axle Gross Weight Rating	40,000 lb / 18,143 kg
Integral Front Frame Rails	Required for Front Stabilizer

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

OPTIONS**Radio Remote Control**

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

**Pin-On Jib Attachments**

Two piece telescoping jib with material handling and basket attachment capabilities. Stows on the side of the boom for easy placement while on the worksite.

**Hydraulic Oil Cooler**

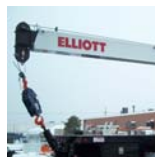
Add a bed-mounted hydraulic oil cooler to assist with high duty cycle job applications.

**Automatic Safety Rotation Lockout**

"Short-jack" your BoomTruck by adding an automatic safety lockout to prevent boom movement over the side where outriggers are not fully extended.

**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 store right on the rear of the bed.

**Gravity Leveled Basket**

Elliott's 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.