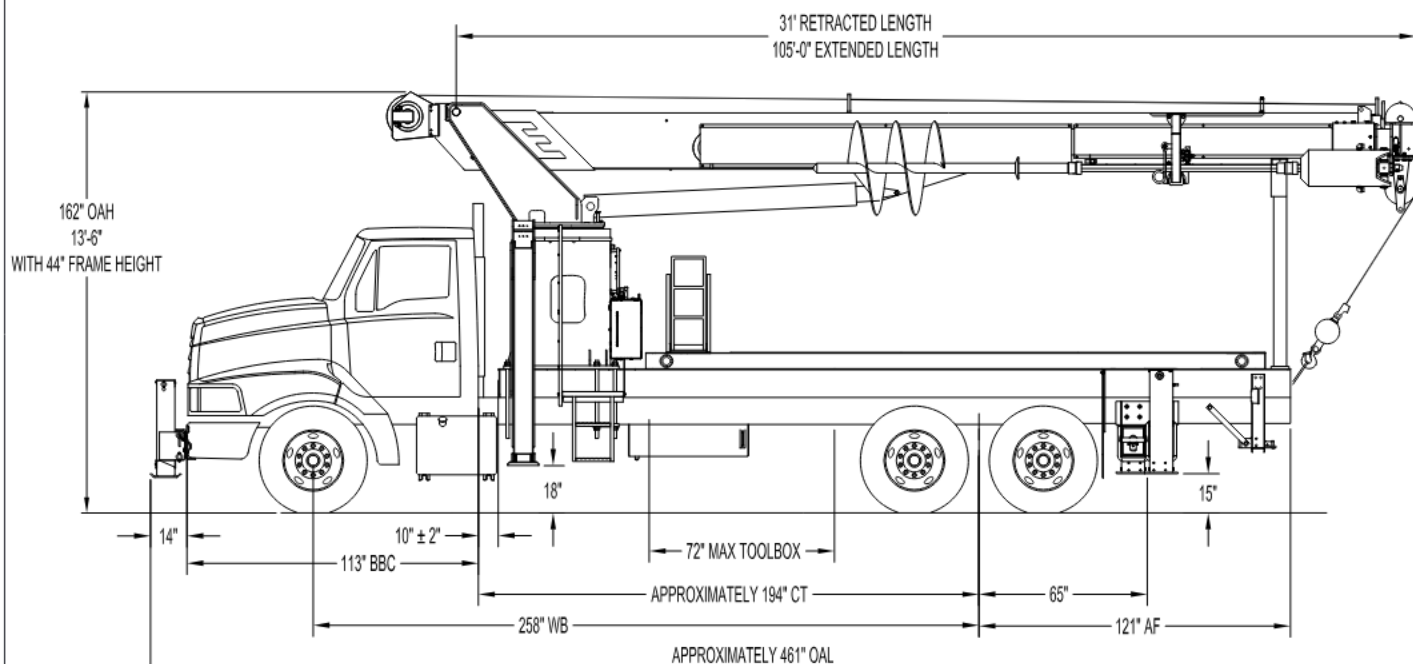




## 26105F-D SIDE VIEW DIAGRAM



- **Maximum Vertical Reach** 162'/49,3 m
- **Working Area** 180 Degrees Standard (360 Optional)
- **Lifting Capacity** 52,000 lbs/23 587 kg
- **Boom Length** 105'/32 m
- **Crane Weight (Standard)** 29,785 lbs/13 510 kg
- **Jib Lengths** 26', 26-45'/ 8-13,7 m
- **Winch Bare Drum Pull** 12,800 lbs/5806 kg
- **Hydraulic Digger Radius** 44'/13,4 m

- **Powered Boom Sections** 4
- **Overall Height** 13'6"/4,1 m
- **Operator Controls** Dual Operator Standup
- **Outrigger Type Front** A-Frame
- **Outrigger Spread Front** 20'10"/6,3 m
- **Outrigger Type Rear** Out-Down
- **Outrigger Spread Rear** 18'2"/5,5 m

## TECHNICAL SPECIFICATIONS

**Crane Capacity:** 52,000 lbs at 5' load radius.

**Maximum Tip Height:** 117' height (162' with optional 45' 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 throttle switch, 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:** Four-section fully proportional, high strength steel plated rectangular tube sections. A maximum boom tip height of 117' 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.

**Auger System:** 20,000 lb. automatic two-speed auger with 2 5/8" hex drive mounted at end of boom. Auger equipped with a 2 5/8" Kelly bar (auger extension bar) able to accept 24", 36", or 48" flightings. Auger and flighting to be stowed on side of boom from controls operated at main control station. Up to a 36" flighting to be stowed during transport. The auger provides a 44' digging radius. Auger will be provided with radio remote control system with

integral LMI display in radio transmitter.

**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 out and down underslung auxiliary outriggers with 18'2" 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 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

cable-shift 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:** 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 bed and boxes black.

**Bumper:** Bureau of Motor Carrier Safety rear bumper.

**Weight:** Approximately 29,785 lbs. with 20' steel-floor bed less truck.

**Truck Chassis Required:** Approx. 192" C.T., RBM 1,749,000 in-lb. per rail, 20,000 lb. front axle and 40,000 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:**

26'-45' Telescopic Pin-on Jib.

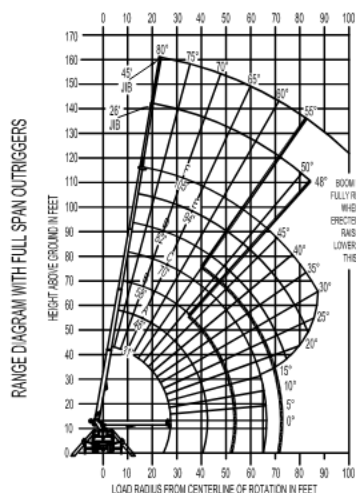
Superlink Shortjack Outriggers.

Gravity Leveled Steel Work Platform.

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](http://www.elliottequip.com)

## LOAD & RANGE CHART - MAIN BOOM + JIB, FULL-SPAN OUTRIGGERS



**ELLIOTT**  
EQUIPMENT COMPANY

MODEL 2600 105-FT. BOOM

### ALLOWABLE LINE PULL

| 1-PART LINE            | 2-PART LINE | 3-PART LINE | 4-PART LINE | 5-PART LINE | 6-PART LINE | NOTICE                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |             |             |             |             |             | DO NOT DEADEND LINE BLOCK AGAINST BOOM TOP WHEN EXTENDING BOOM.<br>- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES.<br>- USE ONLY 5/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED.<br>- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATING & SAFETY MANUAL.<br>- MAXIMUM CAPACITY WITH "BURST OF SPEED" IS 500 LBS. |
| MAX PULL:<br>9,600 lbs | 19,200 lbs  | 28,800 lbs  | 38,400 lbs  | 48,000 lbs  | 52,000 lbs  | 5/16" - 6 x 37 WPC<br>(3.5:1 S.F.) 33,000-lbs.<br>BREAKING STRENGTH                                                                                                                                                                                                                                                                                                                                                         |
| MAX PULL:<br>9,000 lbs | 18,120 lbs  | 27,180 lbs  | 36,240 lbs  | 45,300 lbs  | 52,000 lbs  | 5/16" - SPIN RESISTANT<br>(5:1 S.F.) 45,300-lbs.<br>BREAKING STRENGTH                                                                                                                                                                                                                                                                                                                                                       |

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

### BOOM LOAD RATINGS

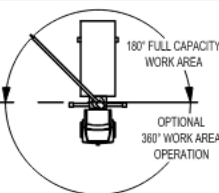
| LOAD RATINGS IN LBS. WITH OUTRIGGERS FULLY EXTENDED HORIZONTALLY AND VERTICALLY |                   |        |        |        |        |        |        |         |       |
|---------------------------------------------------------------------------------|-------------------|--------|--------|--------|--------|--------|--------|---------|-------|
| LOAD RADIUS IN FEET                                                             | LOADED BOOM ANGLE | 31-FT. | 46-FT. | 58-FT. | 70-FT. | 82-FT. | 94-FT. | 105-FT. |       |
| 5                                                                               | 80                | 52,000 |        |        |        |        |        |         |       |
| 6                                                                               | 78                | 44,000 |        |        |        |        |        |         |       |
| 8                                                                               | 74                | 36,600 | 79.5   | 30,000 |        |        |        |         |       |
| 10                                                                              | 70                | 31,000 | 77     | 27,000 | 80     | 20,000 |        |         |       |
| 12                                                                              | 66                | 26,500 | 74.5   | 24,900 | 78     | 19,800 |        |         |       |
| 14                                                                              | 61.5              | 20,500 | 72     | 21,800 | 76     | 17,700 | 79.5   | 18,500  |       |
| 16                                                                              | 57                | 18,500 | 69     | 19,500 | 74     | 16,000 | 77.5   | 16,000  |       |
| 18                                                                              | 52                | 15,900 | 66     | 15,800 | 72     | 14,400 | 76     | 14,800  | 78.5  |
| 20                                                                              | 47                | 14,300 | 63     | 12,800 | 69.5   | 11,500 | 74     | 13,400  | 77    |
| 25                                                                              | 30.5              | 10,300 | 55.5   | 11,000 | 64.5   | 9,500  | 69.5   | 10,900  | 73.5  |
| 30                                                                              |                   |        | 47.5   | 9,300  | 58.5   | 7,950  | 65.5   | 9,000   | 70    |
| 35                                                                              |                   |        | 37.5   | 8,500  | 52.5   | 6,700  | 60.5   | 7,500   | 66    |
| 40                                                                              |                   |        | 23     | 6,300  | 45.5   | 5,600  | 55.5   | 6,300   | 62    |
| 45                                                                              |                   |        |        |        | 37     | 4,000  | 50     | 5,300   | 57.5  |
| 50                                                                              |                   |        |        |        | 26.5   | 3,850  | 44     | 4,600   | 53    |
| 55                                                                              |                   |        |        |        |        |        | 37     | 3,800   | 48.5  |
| 60                                                                              |                   |        |        |        |        | 28.5   | 2,700  | 43      | 3,250 |
| 65                                                                              |                   |        |        |        |        | 15.5   | 2,150  | 37      | 2,700 |
| 70                                                                              |                   |        |        |        |        |        |        | 30      | 2,150 |
| 75                                                                              |                   |        |        |        |        |        |        | 20.5    | 1,800 |
| 80                                                                              |                   |        |        |        |        |        |        |         |       |
| 85                                                                              |                   |        |        |        |        |        |        |         |       |
| 90                                                                              |                   |        |        |        |        |        |        |         |       |
| 0                                                                               |                   | 5,500  | 0      | 2,900  | 0      | 1,100  | 0      | 500     |       |
| DEDUCTIONS FOR STOWED JIB (lbs)                                                 |                   | 850    | 600    | 450    | 400    | 350    | 300    | 250     |       |
|                                                                                 |                   | 550    | 350    | 300    | 250    | 200    | 150    | 150     |       |

### JIB LOAD RATINGS

| LOAD RATINGS IN LBS. WITH OUTRIGGERS AND STABILIZERS EXTENDED |                   |           |  |                         |                   |                  |           |
|---------------------------------------------------------------|-------------------|-----------|--|-------------------------|-------------------|------------------|-----------|
| 26-ft FIXED LENGTH JIB                                        |                   |           |  | 26'-45' TWO SECTION JIB |                   |                  |           |
|                                                               |                   |           |  | RETRACTED 26' JIB       |                   | EXTENDED 45' JIB |           |
| LOAD RADIUS IN FEET                                           | LOADED BOOM ANGLE | 26-ft JIB |  | LOAD RADIUS IN FEET     | LOADED BOOM ANGLE | 26-ft JIB        | 45-ft JIB |
| 30                                                            | 78.5              | 4,400     |  | 30                      | 78.5              | 4,150            |           |
| 35                                                            | 76.5              | 4,000     |  | 35                      | 76                | 3,750            | 77        |
| 40                                                            | 74                | 3,600     |  | 40                      | 74                | 3,350            | 75.5      |
| 45                                                            | 72                | 3,100     |  | 45                      | 71.5              | 2,850            | 74        |
| 50                                                            | 69.5              | 2,700     |  | 50                      | 69                | 2,450            | 72        |
| 55                                                            | 67                | 2,300     |  | 55                      | 66.5              | 2,050            | 70        |
| 60                                                            | 64.5              | 2,000     |  | 60                      | 64                | 1,750            | 68        |
| 65                                                            | 62                | 1,700     |  | 65                      | 61.5              | 1,450            | 66        |
| 70                                                            | 59                | 1,500     |  | 70                      | 59                | 1,250            | 64        |
| 75                                                            | 56.5              | 1,300     |  | 75                      | 56                | 1,050            | 61.5      |
| 80                                                            | 53.5              | 1,100     |  | 80                      | 53.5              | 850              | 59.5      |
| 85                                                            | 50.5              | 900       |  | 85                      | 50.5              | 650              | 57        |
| 90                                                            | 47.5              | 700       |  | 90                      |                   |                  | 55        |
|                                                               |                   |           |  | 95                      |                   |                  | 52        |

### AREA OF OPERATION

LINE THROUGH CENTERLINE OF ROTATION  
A FRONT CENTER STABILIZER IS REQUIRED FOR 360° AREA OF OPERATION.



DEDUCTIONS FOR STOWED EXTENDABLE JIB (lbs)

DEDUCTIONS FOR STOWED FIXED LENGTH JIB (lbs)

NOTE: 1. CAPACITIES DO NOT EXCEED 118% STABILITY.  
2. PERSONNEL HANDLING IS ALLOWED ONLY WITH FULL SPAN OUTRIGGERS.

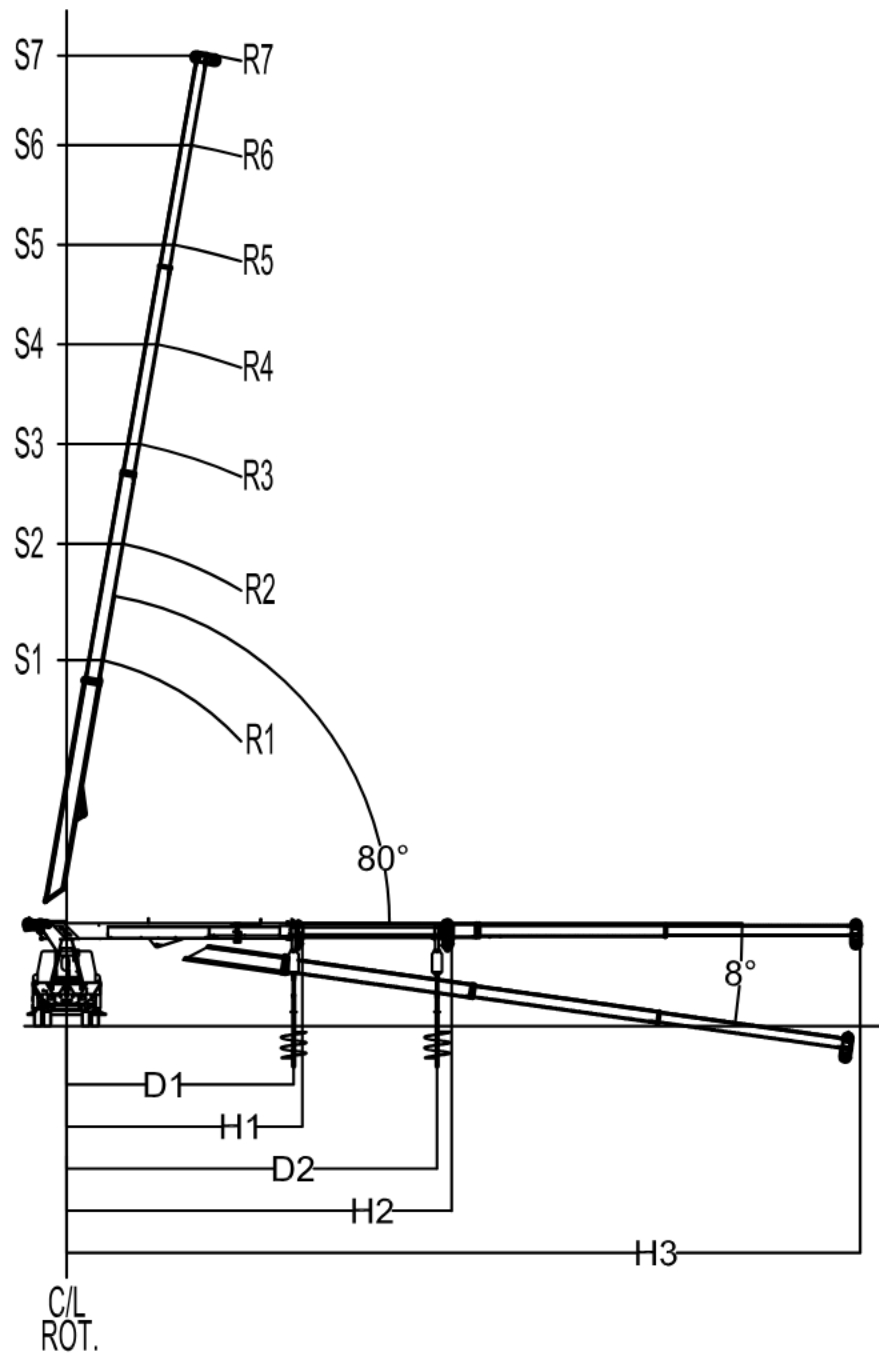
3. LOAD RATINGS ABOVE BOLD LINE ARE STRUCTURALLY LIMITED.  
4. BOOM LOAD RATINGS ARE BASED ON LOADED BOOM RADIUS.

5. LOADED BOOM ANGLES ARE GIVEN AS A REFERENCE ONLY.

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

DO NOT PAINT OVER ANY LABELS 1113570 111308

## DIGGER RANGE CHART - FULL-SPAN OUTRIGGERS



## DIGGING RANGE DATA (REFERENCE PREVIOUS PAGE)

## CAPACITIES &amp; DIMENSIONAL DATA

| MODEL                   | 30105F-D  | 3095F-D   | 26105F-D  | 2695F-D   |
|-------------------------|-----------|-----------|-----------|-----------|
| MAX CAPACITY            | 60,000 LB | 60,000 LB | 52,000 LB | 52,000 LB |
| CAPACITY @ 10 FT RADIUS | 30,650 LB | 35,600 LB | 29,650 LB | 33,700 LB |
| SHEAVE HEIGHT           |           |           |           |           |
| S1                      | 43 FT     | 40 FT     | 44 FT     | 41 FT     |
| S2                      | 58 FT     | 56 FT     | 59 FT     | 55 FT     |
| S3                      | 70 FT     | 67 FT     | 71 FT     | 68 FT     |
| S4                      | 82 FT     | 80 FT     | 83 FT     | 81 FT     |
| S5                      | 93 FT     | 93 FT     | 94 FT     | 94 FT     |
| S6                      | 105 FT    | 105 FT    | 106 FT    | 106 FT    |
| S7                      | 115 FT    |           | 116 FT    |           |
| LOAD RADIUS             |           |           |           |           |
| R1                      | 31 FT     | 28 FT     | 31 FT     | 28 FT     |
| R2                      | 46 FT     | 43 FT     | 46 FT     | 43 FT     |
| R3                      | 58 FT     | 56 FT     | 58 FT     | 56 FT     |
| R4                      | 70 FT     | 69 FT     | 70 FT     | 69 FT     |
| R5                      | 82 FT     | 82 FT     | 82 FT     | 82 FT     |
| R6                      | 94 FT     | 95 FT     | 94 FT     | 95 FT     |
| R7                      | 105 FT    |           | 105 FT    |           |
| HORIZONTAL REACH        |           |           |           |           |
| H1                      | 31 FT     | 28.5 FT   | 31 FT     | 28.5 FT   |
| H2                      | 48.5 FT   | 46 FT     | 48.5 FT   | 46 FT     |
| H3                      | 105 FT    | 95 FT     | 105 FT    | 95 FT     |
| DIGGING RADIUS          |           |           |           |           |
| D1                      | 27 FT     | 24.5 FT   | 27 FT     | 24.5 FT   |
| D2                      | 44 FT     | 41 FT     | 44 FT     | 41 FT     |

## TRUCK CHASSIS SPECIFICATIONS

|                                | 26105F-D BoomTruck            |
|--------------------------------|-------------------------------|
| Wheelbase (WB)                 | 268" / 681 cm                 |
| Cab to Tandem (CT)             | 192" / 487 cm                 |
| Cab to End of Frame (EOF)      | 312" / 792 cm                 |
| Frame Section Modulus          | 30.0 in3-110,000 psi          |
| Front Axle Gross Weight Rating | 20,000 lb / 9071 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



### Hydraulic Pole Claw

Combine Elliott's digger system with a hydraulic pole claw to dig holes and place poles with a single 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 continuous rotation by adding a special boom rotation system for swinging without stops.



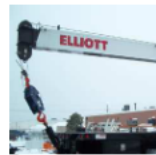
### Digger / Auger Flightings

Dig faster and deeper with Elliott's selection of auger flightings up to 48" in diameter that provide an industry-leading 44' digging radius and more power out of the hole.



### 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 Levelled 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.