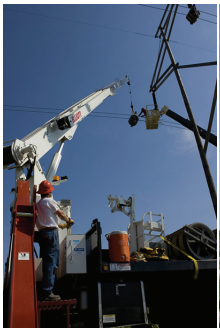
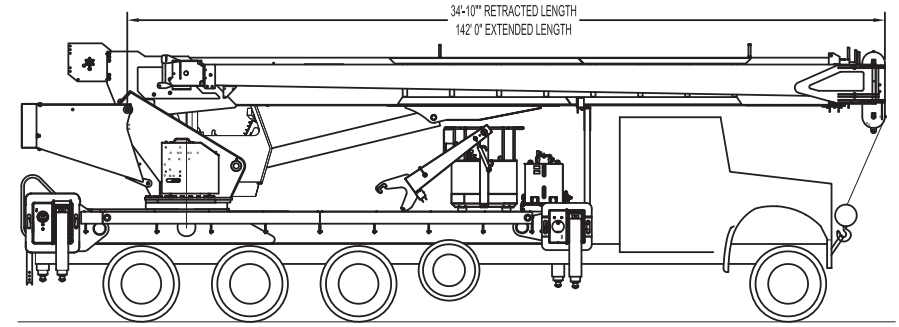
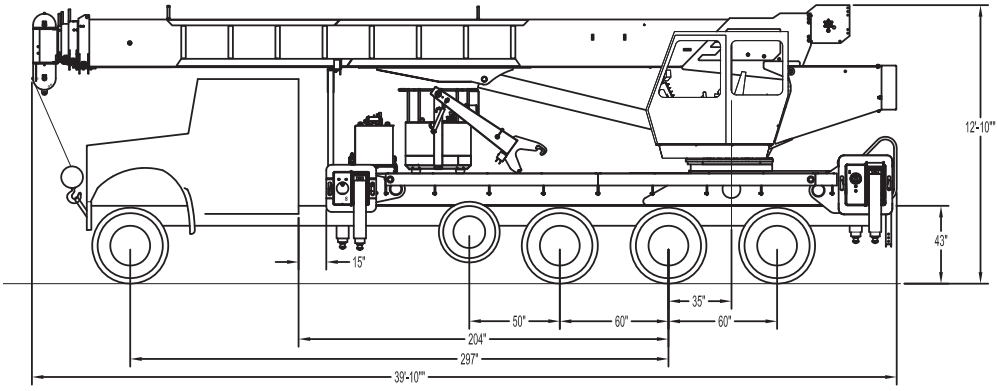
BoomTruck™ 45142 TECHNICAL SPECIFICATIONS





45142 SIDE VIEW DIAGRAM





- **Maximum Vertical Reach** 207'/63,1 m
- **Working Area** 360 Degrees
- **Lifting Capacity** 90,000 lbs/40 823 kg
- **Boom Length** 142'/43,3 m
- **Crane Weight (Standard)** 43,800 lbs/19 867 kg
- **Jib Lengths** 26', 31'-55' / 7,9 m, 9,7-16,7 m
- **Winch Bare Drum Pull** 15,000 lbs/6804 kg
- **Powered Boom Sections** 5
- **Overall Height** 12'10"/3,9 m
- **Operator Controls** Rotating Cab with Control Seat
- **Outrigger Type Front** Out-Down
- **Outrigger Spread Front** 21'2"/6,4 m
- **Outrigger Type Rear** Out-Down
- **Outrigger Spread Rear** 26'2"/8 m

ELLIOTT EQUIPMENT COMPANY

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3514 South 25th Street
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www.elliottequip.com

TECHNICAL SPECIFICATIONS

Crane Capacity: 90,000 lbs at 7' radius.

Maximum Tip Height: 152' tip height (207' with 31'-55' jib).

Control Console: Rotating seated controls with tilting cab (20 deg) and deluxe heated operator seat. Pilot operated control levers in seat, outrigger controls, start/stop switch, master switch, hi/lo range switch, variable speed foot throttle, LMI console display, chassis interface screen, capacity chart, range diagram chart, boom angle indicator, tinted glass windows, front and top window wipers, sliding side window, AM/FM stereo, air conditioning, and diesel heater. Includes glide swing with manual foot brake.

Boom: Five-section fully proportional, high strength steel plated rectangular tube sections. 34'10" retracted to 142' extended boom. A maximum tip height of 152' 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 430' of 5/8" diameter rotation resistant wire rope with a single line pull of 11,300 lbs. or 12,500 lbs depending on rope type, 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. Front outriggers have a 21'2" span, rear outriggers have a 26'2" span. Outriggers are configured for full span or mid span operation. Outriggers equipped with 22" diameter 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 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 360 degree continuous rotation. Glide-swing drive system has manual foot applied 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. Hydraulic oil cooler. The control valve distributes all flow to hoist system, swing circuit, and other crane functions. System is closed center type.

Oil Tank Capacity: 119 gallons mounted to top of frame.

Cab Equipment: Air shift 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 43,800 lbs. less truck.

Truck Chassis Required: Approx. 204" C.T., RBM 3,300,000 in-lb. per rail, 20,000 lb. front axle, 66,000 lb. tridem rear axles, and 8,000 lb pusher axle recommended. 94,000 lb. GVWR. Additional configurations available for bridge legal cranes and export. Contact factory when additional equipment is to be added.

Options:

31'-55' 2-Stage Telescopic Jib.

50-State Federal Bridge Legal Mounting.

Gravity Leveled Work Platform.

Wireless Radio Remote Controls.

Winch Drum Rotation Indicator.

Auxiliary Winch Package.

Work Area Definition (WADS).

Winch and Rear View Cameras.

Much More...

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LOAD AND RANGE CHART - FULL SPAN OUTRIGGERS

ELLIOTT EQUIPMENT COMPANY

MODEL 4500 142-FT BOOM

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

LMI MODE: NONE

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS FULLY EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	34-ft	LOADED BOOM ANGLE	A 47-ft	LOADED BOOM ANGLE	B 61-ft	LOADED BOOM ANGLE	C 74-ft	LOADED BOOM ANGLE	D 88-ft	LOADED BOOM ANGLE	E 101-ft	LOADED BOOM ANGLE	F 115-ft	LOADED BOOM ANGLE	G 128-ft	LOADED BOOM ANGLE	H 142-ft
7	75.4	90,000																
8	73.2	80,000																
10	71.0	66,500	76.7	43,000														
12	67.3	56,100	74.3	43,000	79.1	43,000												
15	61.7	49,000	70.5	43,000	76.3	42,400	79.5	36,600										
20	50.9	38,000	63.6	34,000	71.4	34,000	75.7	31,700	78.7	24,900								
25	38.1	27,600	56.0	27,900	66.3	28,200	71.5	26,400	75.2	21,000	77.8	17,500						
30	19.3	20,450	47.8	20,950	60.6	21,200	67.2	21,450	71.7	18,400	75.0	16,000	77.5	13,400	79.3	11,500		
35			38.0	16,250	54.5	16,500	62.8	16,750	68.1	16,000	72.0	14,400	75.0	11,800	77.0	10,100	79.1	6,600
40			25.2	12,900	48.0	13,250	58.0	13,450	64.4	13,450	68.8	12,600	72.2	10,700	74.9	8,900	77.0	6,600
45					40.7	10,850	52.9	11,050	60.6	11,150	65.6	11,250	69.8	9,400	72.6	8,100	74.8	6,600
50					31.9	8,900	47.3	9,100	56.5	9,200	62.3	9,300	67.0	8,400	70.1	7,400	72.7	5,900
55					19.8	7,500	41.2	7,600	52.3	7,700	59.1	7,800	64.2	7,500	67.6	6,500	70.5	5,300
60							34.9	6,300	48.0	6,400	55.5	6,500	61.2	6,700	65.0	5,900	68.3	4,800
65							26.4	5,200	43.0	5,300	51.8	5,500	58.1	5,500	62.4	5,300	65.9	4,300
70							12.9	4,250	37.3	4,400	47.6	4,550	55.0	4,550	59.7	4,550	63.6	3,900
75									30.8	3,600	43.1	3,700	54.6	3,700	56.9	3,800	61.2	3,500
80									22.5	2,850	38.2	2,950	47.8	3,050	54.0	3,050	58.7	3,100
85											32.7	2,350	43.8	2,450	50.8	2,600	56.2	2,600
90											26.1	1,800	39.6	1,950	47.4	2,050	53.5	2,050
95											17.1	1,350	34.9	1,550	43.8	1,650	50.7	1,650
100													29.6	1,100	40.0	1,200	47.6	1,250
105													23.1	450	35.8	950	44.3	950
110															31.6	450	41.0	450
	0	17,000	0	10,600	0	6,600	0	4,050	0	2,500	0	1,300						
DEDUCTIONS FOR STOWED EXT. JIB		950		700		550		450		400		350		300		250		200

NOTES:

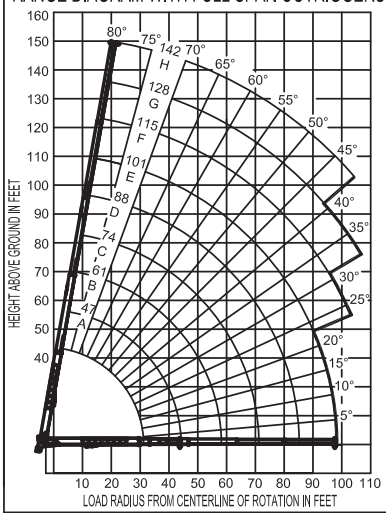
1. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only. Increase boom angle if necessary to maintain load radius. Do not exceed maximum load radius.
2. Boom deflection is not illustrated.
3. Personnel handling and jib use are allowed only with full span outriggers.
4. Capacities do not exceed 85% stability. Do not exceed capacities recommended by ASME/ANSI B30.5.
5. Load ratings above the bold line are structurally limited.
6. Refer to manual for wind ratings.
7. Deductions must be made from rated loads for any loadline equipment or boom attachments such as hooks, load blocks, and stowed jibs. Weights of load handling devices such as slings and shackles shall be considered part of the load.

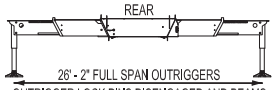
ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS:

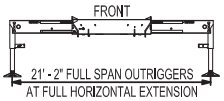
OVERHAUL BALL.....210 LBS
ONE SHEAVE BLOCK.....470 LBS
TWO SHEAVE BLOCK.....592 LBS
THREE SHEAVE BLOCK.....639 LBS
FOUR SHEAVE BLOCK.....762 LBS
AUXILIARY SHEAVE.....100 LBS

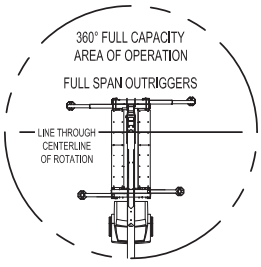
NOTE:
SEE PAGE 2 FOR A TABLE OF ROPE LIMITS AND A REEVING DIAGRAM FOR MULTIPLE PARTS OF LINE.

RANGE DIAGRAM WITH FULL SPAN OUTRIGGERS









LMI OPERATING MODES

LMI MODE	CRANE CONFIGURATION	PAGE
NONE	LOADLINE LIFTING (FULL SPAN OUTRIGGERS)	1
NONE	LOADLINE LIFTING (MID SPAN OUTRIGGERS)	2
PLTF600MB	PLATFORM ON MAIN BOOM (600 LB LOAD)	3
PLTF1200MB	PLATFORM ON MAIN BOOM (1200 LB LOAD)	3
31' JIB RET	LOADLINE LIFTING WITH RETRACTED JIB	4
55' JIB EXT	LOADLINE LIFTING WITH EXTENDED JIB	4
PLTF600_31	PLATFORM ON RETRACTED JIB (600 LB LOAD)	5
PLTF600_55	PLATFORM ON EXTENDED JIB (600 LB LOAD)	5
PLTF1200_31	PLATFORM ON RETRACTED JIB (1200 LB LOAD)	6
PLTF1200_55	PLATFORM ON EXTENDED JIB (1200 LB LOAD)	6

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

1206250 040115

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LOAD AND RANGE CHART - MID SPAN OUTRIGGERS

ELLIOTT EQUIPMENT COMPANY

MODEL 4500 142-FT BOOM

MAIN BOOM LOAD RATINGS WITH MID-SPAN OUTRIGGERS

LMI MODE: NONE

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	34-ft	LOADED BOOM ANGLE	A 47-ft	LOADED BOOM ANGLE	B 61-ft	LOADED BOOM ANGLE	C 74-ft	LOADED BOOM ANGLE	D 88-ft	LOADED BOOM ANGLE	E 101-ft	LOADED BOOM ANGLE	F 115-ft	LOADED BOOM ANGLE	G 128-ft	LOADED BOOM ANGLE	H 142-ft
7	75.4	90,000																
8	73.2	80,000																
10	71.0	66,500	76.7	43,000														
12	67.3	56,100	74.3	43,000	79.1	43,000												
15	61.7	49,000	70.5	43,000	76.3	42,400	79.5	36,600										
20	50.9	38,000	63.6	34,000	71.4	34,000	75.7	31,700	78.7	24,900								
25	38.1	23,500	56.0	24,000	66.3	25,000	71.5	25,000	75.2	21,000	77.8	17,500						
30	19.3	16,000	47.8	16,000	60.6	16,000	67.2	16,000	71.7	18,400	75.0	16,000	77.5	13,400	79.3	11,500		
35			38.0	12,000	54.5	12,000	62.8	13,300	68.1	14,000	72.0	14,400	75.0	11,800	77.0	10,100	79.1	6,600
40			25.2	9,700	48.0	10,000	58.0	10,500	64.4	11,000	68.8	11,000	72.2	10,700	74.9	8,900	77.0	6,600
45					40.7	8,000	52.9	8,400	60.6	8,400	65.6	8,500	69.8	8,500	72.6	8,000	74.8	6,600
50					31.9	6,500	47.3	6,800	56.5	6,900	62.3	6,900	67.0	7,000	70.1	7,000	72.7	5,900
55					19.8	5,100	41.2	5,300	52.3	5,400	59.1	5,500	64.2	5,600	67.6	5,700	70.5	5,000
60							34.9	4,200	48.0	4,300	55.5	4,400	61.2	4,400	65.0	4,500	68.3	4,500
65							26.4	3,300	43.0	3,400	51.8	3,500	58.1	3,500	62.4	3,600	65.9	3,600
70							12.9	2,500	37.3	2,600	47.6	2,700	55.0	2,800	59.7	2,900	63.6	2,900
75									30.8	1,900	43.1	2,000	54.6	2,100	56.9	2,200	61.2	2,200
80									22.5	1,300	38.2	1,300	47.8	1,400	54.0	1,400	58.7	1,500
85											32.7	1,000	43.8	1,000	50.8	1,000	56.2	1,000
90																		
	0	15,000	0	8,000	0	4,000	0	1,000										
DEDUCTIONS FOR STOWED EXT. JIB		950		700		550		450		400		350		300		250		200

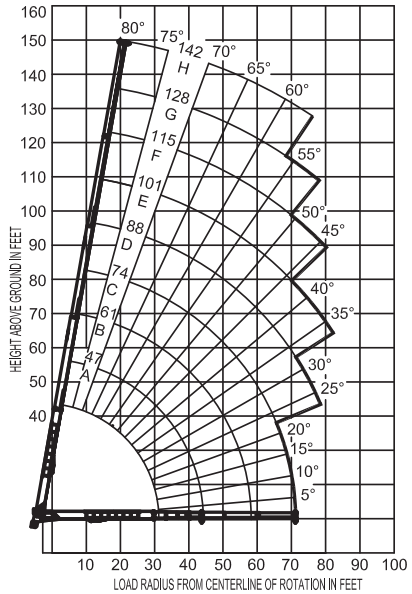
NOTES:

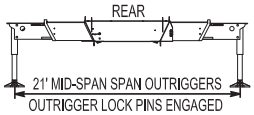
1. Boom load ratings are based on loaded boom radius. Loaded boom angles are given as reference only. Increase boom angle if necessary to maintain load radius. Do not exceed maximum load radius.
2. Boom deflection is not illustrated.
3. Personnel handling and jib use are allowed only with full span outriggers.
4. Capacities do not exceed 85% stability. Do not exceed capacities recommended by ASME/ANSI B30.5.
5. Load ratings above the bold line are structurally limited.
6. Refer to manual for wind ratings.
7. Deductions must be made from rated loads for any loadline equipment or boom attachments such as hooks, load blocks, and stowed jibs. Weights of load handling devices such as slings and shackles shall be considered part of the load.

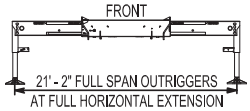
ELLIOTT EQUIPMENT CO. SUPPLIED LOADLINE EQUIPMENT DEDUCTIONS:

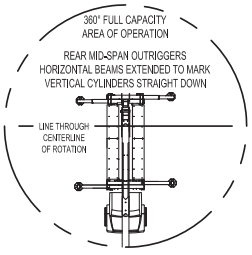
OVERHAUL BALL.....210 LBS
ONE SHEAVE BLOCK.....470 LBS
TWO SHEAVE BLOCK.....592 LBS
THREE SHEAVE BLOCK.....639 LBS
FOUR SHEAVE BLOCK.....762 LBS
AUXILIARY SHEAVE.....100 LBS

RANGE DIAGRAM WITH MID-SPAN OUTRIGGERS

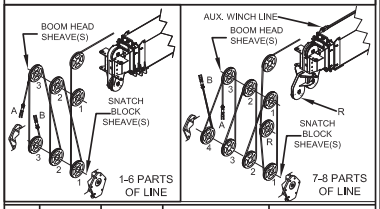








PARTS OF LINE



PARTS OF LINE	SHEAVES ON BOOM HEAD	SHEAVES ON SNATCH BLOCK	5/8" - SPIN RESISTANT 56,500-lbs. BREAKING STRENGTH (5:1 S.F.)	5/8" - 6X36 IWRC 45,400-lbs. BREAKING STRENGTH (3.5:1 S.F.)
1	1	A	11,300 lbs	12,500 lbs
2	1 B	1	22,600 lbs	25,000 lbs
3	1 2	1 A	33,900 lbs	37,500 lbs
4	1 2 B	1 2	45,200 lbs	50,000 lbs
5	1 2 3	1 2 A	56,500 lbs	62,500 lbs
6	1 2 3 B	1 2 3	67,800 lbs	75,000 lbs
7	R 1 2 3	1 2 3 A	79,100 lbs	80,000 lbs
8	R 1 2 3 B	1 2 3 4	90,000 lbs	90,000 lbs

A - DEAD END FOR ODD PARTS OF LINE B - DEAD END FOR EVEN PARTS OF LINE
R - ROOSTER SHEAVE REQUIRED WHEN USING 7-8 PARTS OF 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 5/8" DIAMETER ROPE, AS SPECIFIED, WITH THE PROPER BREAKING STRENGTH LISTED.
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE

1206250 040115

LOAD AND RANGE CHART - TWO SECTION JIB

ELLIOTT EQUIPMENT COMPANY

MODEL 4500 142-FT BOOM

JIB RANGE DIAGRAM WITH FULLY EXTENDED OUTRIGGERS — LMI MODES: 31' JIBRET & 55' JIBEXT

31' - 55' TWO SECTION JIB

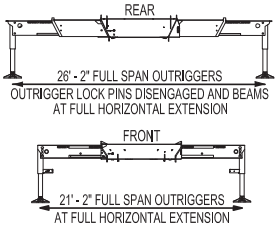
31' RETRACTED JIB - LMI MODE: 31' JIBRET

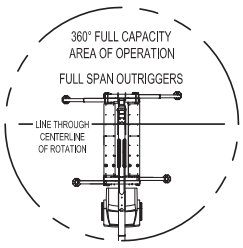
55' EXTENDED JIB - LMI MODE: 55' JIBEXT

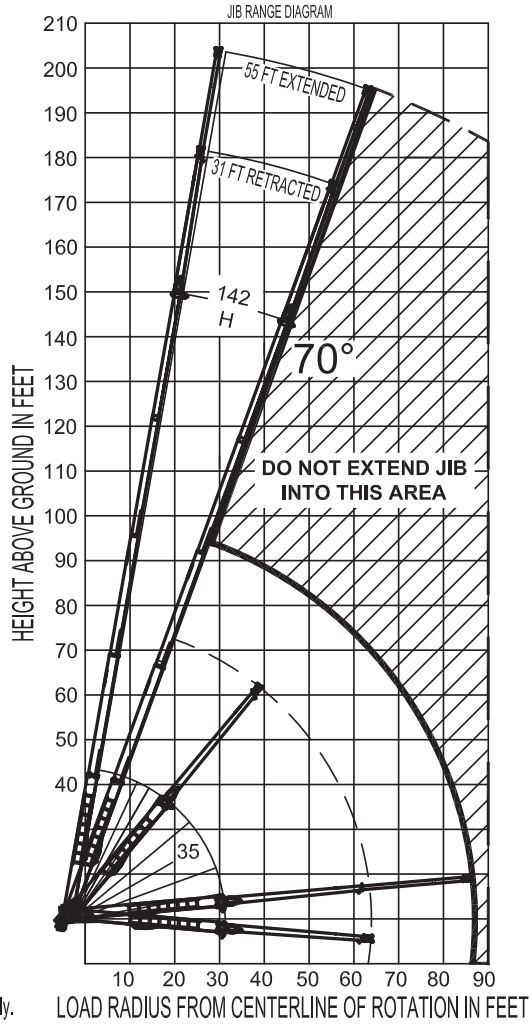
LMI MODE: 31' JIBRET		
LOAD RADIUS (FT)	LOADED BOOM ANGLE	LOAD RATING (LBS)
33	80	3,600
50	75	3,600
65	70	1,200

LMI MODE: 55' JIBEXT		
LOAD RADIUS (FT)	LOADED BOOM ANGLE	LOAD RATING (LBS)
40	80	2,400
56	75	2,400
76	70	800

USE OUTRIGGERS AT ALL TIMES







NOTES:

1. Operate jib by radius when main boom is extended. Increase boom angle if necessary to maintain load radius. Do not exceed the maximum load radius.
2. When the main boom is retracted, operate jib by boom angles. Do not exceed any rated jib capacities at reduced boom lengths.
3. Material handling with the jib is allowed only with full span outriggers.
4. Material handling with the jib is allowed only at boom angles above 70°.
5. Boom deflection is not illustrated. Loaded boom angles are shown for reference only.
6. Refer to manual for wind ratings.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE 1206250 040115

Elliott Equipment Company
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RANGE CHART - MAIN BOOM WORK PLATFORM

ELLIOTT EQUIPMENT COMPANY

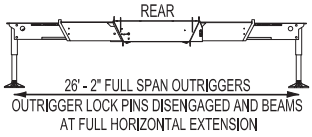
MODEL 4500 142-FT BOOM

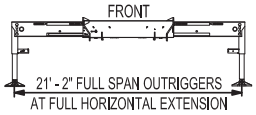
MAIN BOOM LOAD RATINGS WITH PLATFORM ATTACHED — LMI MODES: PLTF600MB & PLTF1200MB

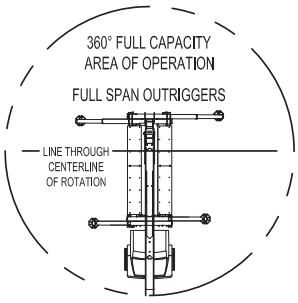
PLATFORM LOAD	MAXIMUM RADIUS
1200 LBS	75 FT
600 LBS	85 FT

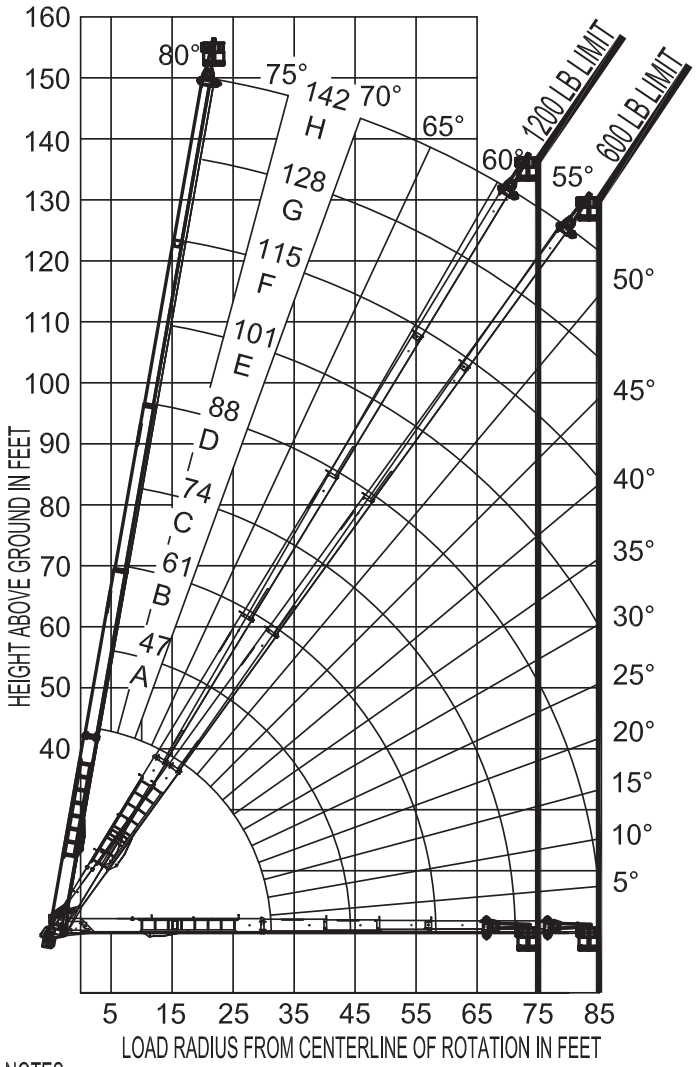
MAXIMUM PLATFORM CAPACITY RATINGS:
1200 LBS
2 PERSONS

USE OUTRIGGERS AT ALL TIMES









NOTES:

1. Personnel handling is allowed only with full span outriggers.
2. Loaded boom angles are given as reference only.
3. Boom deflection is not illustrated. Increase boom angle if necessary to maintain load radius. Do not exceed the maximum load radius.
4. Refer to manual for wind ratings.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE 1206250 040115

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

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

RANGE CHART - TWO SECTION JIB / WORK PLATFORM 600 LB / 272 KG CAPACITY

ELLIOTT EQUIPMENT COMPANY

MODEL 4500 142-FT BOOM

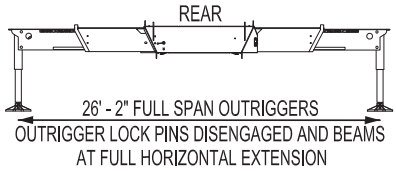
2 PIECE JIB RANGE DIAGRAM WITH PLATFORM ATTACHED - 600 LB LMI MODES: PLTF600_31 & PLTF600_55

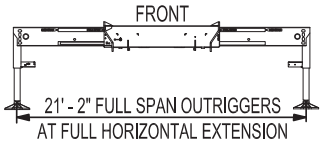
600 LBS MAX PLATFORM LOAD

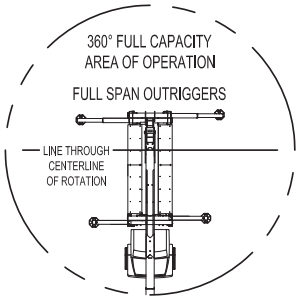
65° MIN ELEVATED BOOM ANGLE

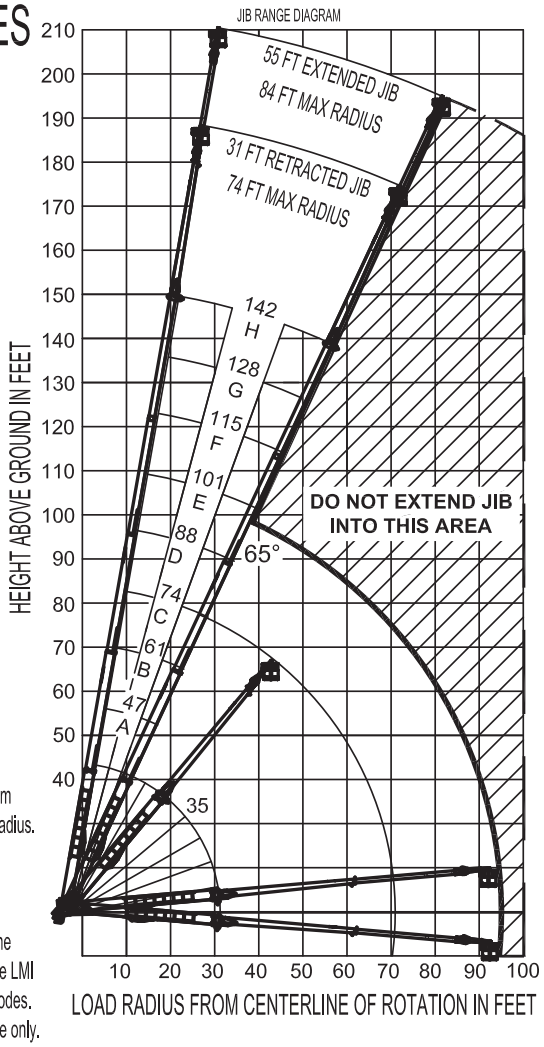
USE OUTRIGGERS AT ALL TIMES

LMI MODE	MAX ELEVATED RADIUS
PLTF600_31	74 FEET
PLTF600_55	84 FEET









NOTES:

1. Operate jib and platform by radius when main boom is extended. Increase boom angle if necessary to maintain load radius. Do not exceed the maximum load radius.
2. When the main boom is retracted, operate jib and platform by boom angles. Do not exceed any rated jib and platform capacities at reduced boom lengths.
3. Personnel handling is allowed only with full span outriggers.
4. When handling personnel, actual load radius is measured to the far railing of the platform. Actual load radius can be up to 4 ft beyond the radius indicated by the LMI due to the platform offset. The LMI indicates radius to the load line for all jib modes.
5. Boom deflection is not illustrated. Loaded boom angles are shown for reference only.
6. Refer to manual for wind ratings.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE 1206250 040115

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Omaha, NE 68105
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RANGE CHART - TWO SECTION JIB / WORK PLATFORM 1,200 LB / 544 KG CAPACITY

ELLIOTT EQUIPMENT COMPANY

MODEL 4500 142-FT BOOM

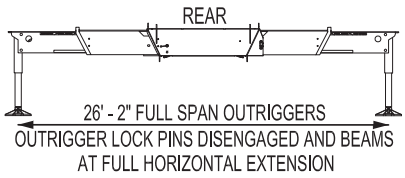
2 PIECE JIB RANGE DIAGRAM WITH PLATFORM ATTACHED - 1200 LB LMI MODES: PLTF1200_31 & PLTF1200_55

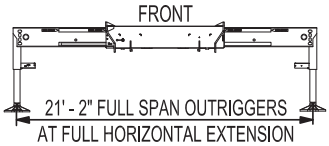
1200 LBS MAX PLATFORM LOAD

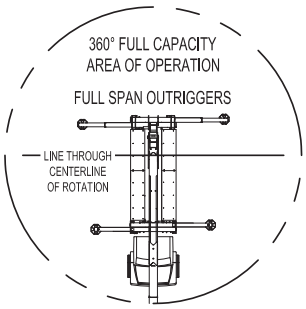
65° MIN ELEVATED BOOM ANGLE

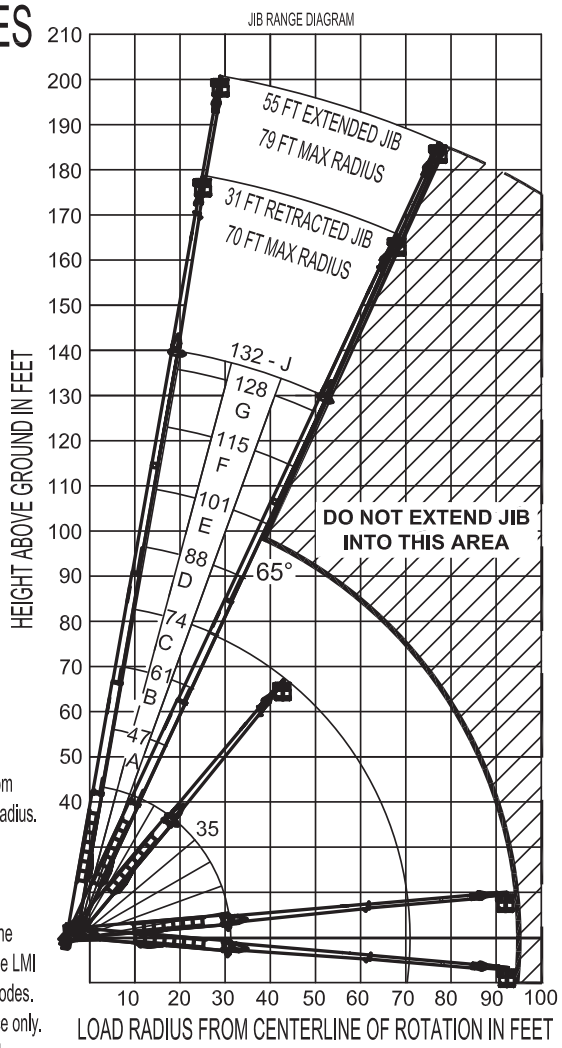
USE OUTRIGGERS AT ALL TIMES

LMI MODE	MAX ELEVATED RADIUS
PLTF1200_31	70 FEET
PLTF1200_55	79 FEET









NOTES:

1. Operate jib and platform by radius when main boom is extended. Increase boom angle if necessary to maintain load radius. Do not exceed the maximum load radius.
2. When the main boom is retracted, operate jib and platform by boom angles. Do not exceed any rated jib and platform capacities at reduced boom lengths.
3. Personnel handling is allowed only with full span outriggers.
4. When handling personnel, actual load radius is measured to the far railing of the platform. Actual load radius can be up to 4 ft beyond the radius indicated by the LMI due to the platform offset. The LMI indicates radius to the load line for all jib modes.
5. Boom deflection is not illustrated. Loaded boom angles are shown for reference only.
6. Main boom extension is limited to 132 ft when the platform load exceeds 600 lbs.
7. Refer to manual for wind ratings.

CRANE MEETS ASME B30.5 REQUIREMENTS AT TIME OF MANUFACTURE 1206250 040115

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TRUCK CHASSIS SPECIFICATIONS

	45142 BoomTruck
Wheelbase (WB)	297" / 754 cm
Cab to Trunnion (CT)	204" / 518 cm
Frame Section Modulus	30.0 in^3 - 110,000 psi / 758 428 kPa
Front Axle Gross Weight Rating	20,000 lb / 9072 kg
Rear Axle Gross Weight Rating	66,000 lb / 31 298 kg
Pusher Axle Rating	8,000 lb / 3629 kg
Permit-Free Truck Configurations	Contact Factory for More Information

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. Optional LMI display is available.

Bridge-Legal in All 50 States
In partnership with chassis manufacturers, Elliott Equipment is proud to offer a federal bridge-legal version of the 45142 in all 50 US states. Contact us to learn more.

Winch and Rear View Cameras
Advanced camera technology provide the operator with clear views of the winch and vehicle surroundings from within the cab.

Dual Winch System & Drum Indicators
Take advantage of Elliott's auxiliary dual 11,300 lb single line pull winch package with optional winch drum rotation indicators.

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 include a hook block for up to 8 parts of line to improve lifting capabilities and allow you to maximize your use of the crane.

2-Man Yoke Work Platform
Elliott's 600 or 1,200 lb capacity 2-man platform features a hydraulic yoke lifting system for easy attachment to the boom tip. Fully OSHA compliant and heavy duty.

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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