

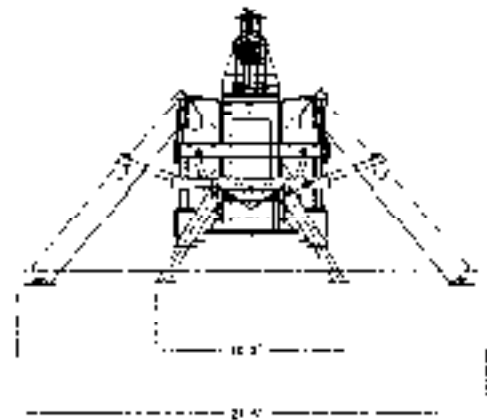
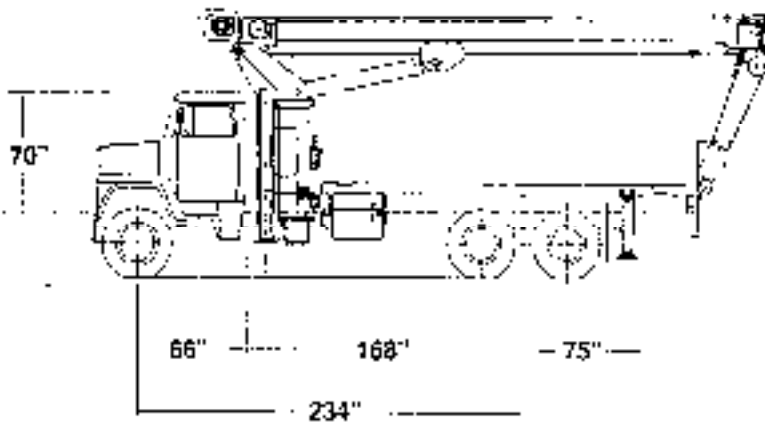


# 2250JBT

## TELESCOPIC CRANE SPECIFICATIONS



### GENERAL SPECIFICATIONS



RECOMMENDED CHASSIS SPECIFICATIONS (180° Area Of Operation)	
DESCRIPTION	REC. DIM.
WHEEL BASE	234"
CAB to AXLE	188"
BACK of CAB to FRONT AXLE	66"
CAB HEIGHT ABOVE FRAME (Max.)	70"
AFTER FRAME REQUIRED	75"
FRONT AXLE WEIGHT RATING (Min.)	16,000 lbs.
REAR AXLE WEIGHT RATING (Min.)	34,000 lbs.
FRONT AXLE CURB WEIGHT (Min.)	7,600 lbs.
REAR AXLE CURB WEIGHT (Min.)	7,500 lbs.
PAYLOAD WATER LEVEL LOADING (Approx.)	11,000 lbs.
FRAME 21 S.M.(Min.) ON 110,000 P.S.I. STEEL	
TOTAL CRANE WEIGHT w/10' WOOD DECK & STAB S., LESS TRUCK CHASSIS - 20,250 LBS.	

TRUCK CHASSIS NOTES	
1.	Weights do not include options.
2.	Distributor must submit a "Chassis Information Sheet" before receiving a quotation or JLG accepting a firm purchase order.
3.	Trucks require an electric engine start or a model for the correct gap switch to be furnished.
4.	Diesel engine with a mechanical governor also must have a variable speed governor.
5.	Horizontal exhaust with vertical muffler will require extensive exhaust modifications. A "Chassis Information Sheet" must be submitted before additional changes can be added. Exhaust modifications do not include parts. Refer to "Standard Retention Changes".
6.	Automatic Transmissions must have a round lock-up. (Chassis manufacturer supplies)
7.	All chassis must meet minimum truck specifications for wheel and beam length. Refer to "Individual Truck Specifications Sheets".
8.	Some chassis equipped with Allison automatic and 6A diesel engines require a remote mounted pump with a cross shaft and pressure relief pump. Consult factory for field kit on charges.
9.	Trucks with longer wheel bases than those specified on the "Truck Specification Sheet" will require a higher FAWR (Front Axle Weight Rating) than stated on the specification sheet. Consult factory for proper rating.
10.	Light height as measured from the top of the truck frame to the top of the cab may not exceed 68.5 inches. Consult factory for additional charges.
11.	Truck frames with heights greater than 40.4 inches will increase overall height of the mounted crane and will decrease outrigger and stabilizer ground penetration.
12.	Truck frames with heights less than 54 inches in width will require special brackets and shims. Consult factory for additional installation charges.
13.	Trucks with air horns require an electrical horn. Consult factory for installation charge.
14.	Cranes utilizing the air throttle option will require a chassis air compressor.
15.	Special or heavy duty loads will increase weight on the rear axle, while reducing water level availability. "Chassis Information Sheets" must be submitted and approved before installation.
16.	Chassis engines that do not have manual throttle linkage will require additional changes. Consult factory.

# JLG 2250JBT

## STANDARD CRANE SPECIFICATIONS

**RATING:** 45,000 lbs. at 5 ft. load radius, 28,000 lbs. at 10 ft. load radius. Maximum load radius = 80 ft. Maximum horizontal reach = 80 ft. Maximum tip height = 95 ft.

**ANTI-TWO BLOCK SYSTEM:** Basic P. A. T. anti-two block system with complete function lockout of hoist up, telescope out and boom down crane functions.

**MAIN BOOM:** 28 ft. - 85 ft., four section, inverted top hat cross section design for maximum strength to weight ratio. Boom extension is fully proportional and is accomplished by a 5 1/2" bore, double action telescope cylinder with integral holding valve which extends the inner-mid section. Outer-mid and fly are simultaneously mechanically extended by 9/16" diameter cables attached to the inner and outer mid-section, which ensures proportional extensions of all boom lengths. Extension cables are supported by one, four groove 10 in. tread diameter non-metallic sheave which is attached to the barrel end of the telescope cylinder.

**BOOM NOSE:** Three non-metallic sheaves, 10 in. tread diameter, mounted on bronze bushings. Idle sheave is a floating sheave wheel. The boom nose also contains integral yoke shaft for future bucket installation. Each sheave wheel contains external grease fittings for ease of maintenance.

**JIBS:** Optional 26 ft. fixed length side stow, 28 ft. - 46 ft., two section side stow and 21 ft. side stow that can be offset 0 degrees, 15 degrees, 30 degrees and 45 degrees. All jibs contain adjustable brackets for easy alignment during field installation.

**BOOM ELEVATION:** Single double acting 7 in. bore lift cylinder with integral holding valve provides elevation from -8 degrees to +80 degrees. Mechanical pendulum angle indicators are provided on both sides of boom.

**HOIST:** Layaway, planetary drive, power up and down two speed with automatic brake. Maximum single line speed 304 FPM. Maximum permissible line pull 7,500 lbs. Two speed is obtainable on the fly with no stopping of the hoist needed to engage two speed function.

**SWING:** Planetary drive, 375 degree non-continuous rotation. Equipped with spring applied, hydraulically released automatic multiple disc type brake. Swing bearing is bolted to the pedestal and turntable using 3/4 in. dia. grade 8 bolts which are lock tabbed in place after final torque. Maximum swing speed is 1.5 RPM.

**PEDESTAL:** All welded box type construction reinforced at critical points to ensure a rigid mount.

**OUTRIGGER:** A-frame type, 8 ft. retracted, 21 ft. 6 in. extended. Double acting hydraulic cylinders with integral holding valves on each extension cylinder. 11 in. by 17 in. pivoting steel pads that are flared on the leading and trailing edges. All attach pins are nickel plated and wear pads are nylon.

**STABILIZERS:** A-frame type, 8 ft. retracted, 10 ft. extended. Double acting hydraulic cylinders with integral holding valves on each extension cylinder. 10-3/4 in. by 11-1/2 in. fixed pads that are flared on the leading and trailing edges. Wear pads are nylon. Out and down stabilizers are optional.

**TORSION BOX (sub-frame):** Four plate with integral rib design, is torsionally resistant. Mounted under the crane pedestal it runs full length and is bolted directly to the truck frame. Bolts are in shear condition for maximum resistance to imposed external forces.

**CONTROL STATIONS:** Dual operator stations equipped with four single lever crane controls that are arranged to PCSA standards. Fully proportional control valves. Outrigger and stabilizer controls allow independent extension and retraction. Each station contains engine start/stop, mechanical foot throttles, warning horn and adjustable bubble levels. Load charts, range diagrams, PB charts and component deduction charts are mounted on pivoting plates directly in front of the operator.

**HYDRAULIC SYSTEM:** A three section gear pump is direct mounted to a power take-off on the truck transmission. Flow distribution is 39 GPM to the hoist function 24 GPM to the crane functions and 8 GPM to the swing function. A 60 gallon reservoir includes a 10 micron heavy duty filter in the return line. Sight and temperature gauge is integral on the hydraulic tank face plate. Gate valves are used for servicing the hydraulic pump and/or PTO without fluid removal.

**ELECTRICAL SYSTEM:** 12 volt direct. All terminal strips, relays and accessory circuits are enclosed in a NEMA 12, weather resistant box, mounted externally on the pedestal. All wiring is color coded and stamped providing easy troubleshooting.

**MOUNTING:** Pedestal and torsion subframe are bolted directly to the chassis by eight grade 8 bolts. Requires no welding.

**DESIGN/WELDING:** Design conforms to ANSI B30.5. All welding conforms to AWS D1.1.

**BOOM REST:** Heavy duty and removable.

# JLG 2250JBT

## RATED LIFTING CAPACITIES

### MODEL 2250JBT-RATED LIFTING CAPACITIES IN POUNDS

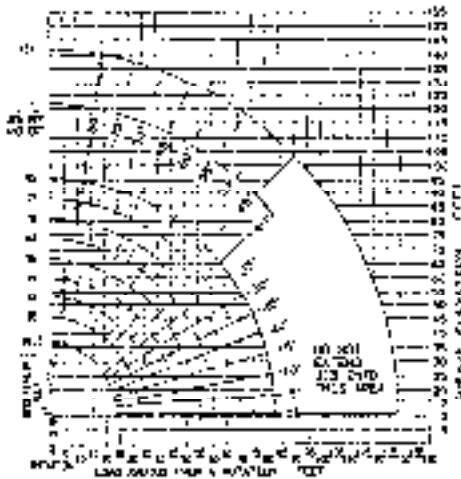
MAXIMUM BOOM LENGTH IN FEET	BOOM LENGTH IN FEET									
	26	31	42	44	56	63	70	77	85	
5	4500									
8	3200									
10	2800	2500	2020	2000						
12	2740	2000	1300	1200	850					
14	2000	1750	730	1500	800	1500	1400			
16	1700	1650	600	1500	500	1450	1350	1200		
20	1300	1270	250	1250	1200	1150	1050	1000	950	
25		1000	910	540	910	850	800	800	750	
30		800	780	760	740	700	700	680	650	
35			530	610	590	570	550	530	510	
40			310	200	490	450	470	450	430	
45				400	400	400	400	390	380	
50					310	320	320	320	300	
55						260	260	260	260	
60						210	210	210	210	
65							170	170	170	
70								130	130	
75									100	
80										75

### PERMISSIBLE ROPE PULL

NUMBER OF PARTS PER LINE	3/4" DIA. 250' OF NEW 6X31 100% 6750-6074		NUMBER OF PARTS PER LINE	5/8" DIA. 250' OF NEW 6X31 100% 6750-6074	
	3/4" DIA. 250' OF NEW 6X31 100% 6750-6074	5/8" DIA. 250' OF NEW 6X31 100% 6750-6074		5/8" DIA. 250' OF NEW 6X31 100% 6750-6074	5/8" DIA. 250' OF NEW 6X31 100% 6750-6074
2:1 RATIO	1500 LBS.	1500 LBS.	2:1 RATIO	2000 LBS.	2000 LBS.
3:1 RATIO	1000 LBS.	1000 LBS.	3:1 RATIO	1500 LBS.	1500 LBS.
4:1 RATIO	750 LBS.	750 LBS.	4:1 RATIO	1100 LBS.	1100 LBS.

DO NOT OPERATE THIS CRANE UNLESS YOU KNOW THE DIAMETER AND TYPE ROPE CURRENTLY INSTALLED ON THE CRANE DO NOT EXCEED PERMISSIBLE ROPE PULL OF ROPE INSTALLED ON THIS CRANE DO NOT USE 3 PART LINE WITH BOOM LENGTH OVER 70 FEET DO NOT USE A PART LINE WITH BOOM LENGTH OVER 55 FEET DO NOT USE 2 PART LINE WITH BOOM LENGTH OVER 42 FEET DO NOT USE A PART LINE WITH BOOM LENGTH OVER 35 FEET DO NOT OPERATE THIS CRANE UNTIL YOU HAVE READ AND UNDERSTOOD ALL RELEVANT NOTES IN BOOK ON REQUEST.

## JLG 2250JBT WITH 26 - 46 FOOT JIB



### RATED JIB LIFTING CAPACITIES IN POUNDS

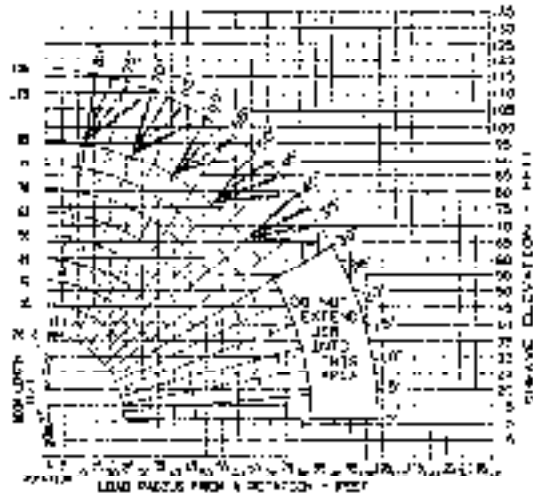
BOOM LENGTH (FEET)	26-46 FT. JIB		27-47 FT. JIB	
	26 FT. JIB	46 FT. JIB	27 FT. JIB	47 FT. JIB
26	4500	3200	4500	3200
30	4200	2800	4200	2800
35	3800	2400	3800	2400
40	3400	2000	3400	2000
45	3000	1600	3000	1600
50	2600	1200	2600	1200
55	2200	800	2200	800
60	1800	400	1800	400
65	1400	0	1400	0
70	1000	0	1000	0
75	600	0	600	0
80	200	0	200	0

CAPACITIES BASED ON WHOLE OF MAIN BOOM REGARDLESS OF BOOM LENGTH.  
 2. RATED LIFTING CAPACITY USING THE FULL LINE IS BASED ON STRUCTURAL STRENGTH AND NOT MACHINE STABILITY. OVERLOADING THE JIB MAY CAUSE STRUCTURAL DAMAGE OR WEAR.  
 3. DO NOT USE LBS FOR MULTIPLE LINE CAPACITIES.  
 4. IF ACTUAL BOOM ANGLE FALLS BETWEEN SHOWN VALUES LISTED, USE LIFTING CAPACITY FOR NEXT LOWER MINIMUM BOOM ANGLE.

### WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

1.5:1 RATIO	75 LBS.
2:1 RATIO	150 LBS.
3:1 RATIO	225 LBS.
4:1 RATIO	300 LBS.
5:1 RATIO	375 LBS.
6:1 RATIO	450 LBS.
7:1 RATIO	525 LBS.
8:1 RATIO	600 LBS.
9:1 RATIO	675 LBS.
10:1 RATIO	750 LBS.

## JLG 2250JBT WITH 21 FOOT OFFSET JIB



### RATED JIB LIFTING CAPACITIES IN POUNDS

BOOM LENGTH (FEET)	21' OFFSET JIB			
	21' OFFSET	31' OFFSET	41' OFFSET	51' OFFSET
21	4500	3500	3000	2500
25	4200	3200	2700	2200
30	3800	2800	2300	1800
35	3400	2400	1900	1400
40	3000	2000	1500	1000
45	2600	1600	1100	700
50	2200	1200	800	400
55	1800	800	500	100
60	1400	400	200	0
65	1000	0	0	0
70	600	0	0	0
75	200	0	0	0

CAPACITIES BASED ON WHOLE OF MAIN BOOM REGARDLESS OF BOOM LENGTH.  
 2. RATED LIFTING CAPACITY USING THE FULL LINE IS BASED ON STRUCTURAL STRENGTH AND NOT MACHINE STABILITY. OVERLOADING THE JIB MAY CAUSE STRUCTURAL DAMAGE OR WEAR.  
 3. DO NOT USE LBS FOR MULTIPLE LINE CAPACITIES.  
 4. IF ACTUAL BOOM ANGLE FALLS BETWEEN SHOWN VALUES LISTED, USE LIFTING CAPACITY FOR NEXT LOWER MINIMUM BOOM ANGLE.

### WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

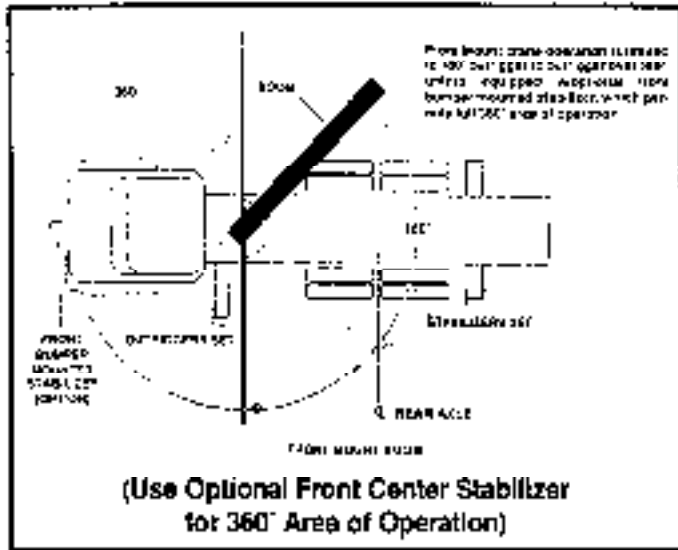
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3:1 RATIO	225 LBS.
4:1 RATIO	300 LBS.
5:1 RATIO	375 LBS.
6:1 RATIO	450 LBS.
7:1 RATIO	525 LBS.
8:1 RATIO	600 LBS.
9:1 RATIO	675 LBS.
10:1 RATIO	750 LBS.

Meets ANSI B30.5 / SAE J765

DO NOT OPERATE WITHIN 10' OF POWER LINES!!

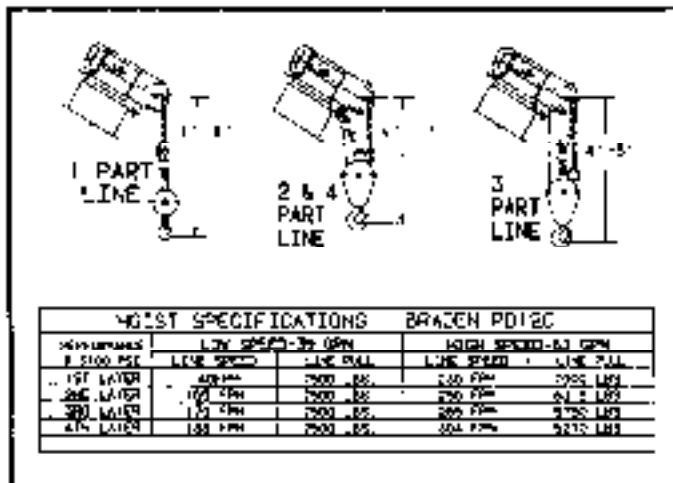
<https://cranemanuals.com>

# JLG 2250JBT



## Available Options:

- 26 ft. to 65 ft. 3-Section Telescoping Boom
- Load Moment Indicating System w/Shutdown (LMI)
- Two Man Self-Leveling Platform
- Two Man Gravity Leveling Platform
- One Man Fiberglass Basket
- Two, One-Man Fiberglass Baskets
- Radio Remote Control
- Hardwire Remote Control
- 360 Degree Continuous Rotation
- Front Center Stabilizer
- Hydraulic Clam Shell
- Hydraulic Oil Cooler
- Rear Mount
- Over Frame Outriggers and Stabilizers



## JLG INDUSTRIES, INC. MATERIAL HANDLING DIVISION

RD 6, Box 34-B  
York, Pa. 17404

TEL. - (717) 792-9731 FAX. - (717) 792-4938

**MATCHING TRADITIONAL JLG  
PERFORMANCE AND DURABILITY  
WITH THE NEEDS OF THE OPERATOR**

## WARRANTY

**A comprehensive warranty that  
exceeds industry standards.**

*See your JLG Dealer to find out about our full line  
of telescopic cranes and material handling products.*

DISTRIBUTED BY:

Due to continued improvements, we reserve the right to make specification and/or equipment changes without prior notification.

American Made. American Owned.

REV. 11-93

<https://cranemanuals.com>

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