Series 1400A product guide

NATIONAL CRANE

features

- 127' (38.72 m) Five-Section Boom
- 33 Ton (29.9 mt) Rating
- Self-lubricating "Easy Glide"
 Wear Pads
- Internal Anti-two-block
- NEW VISION CAB™

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Crane Group

*Product may be shown with optional equipment. Above product shown with optional triaxle.

Why Buy a National Series 1400A?



*Product may be shown with optional equipment.

- 33-ton (29.9-mt) maximum capacity
- 171-ft (52.12-m) maximum vertical reach*
- 135-ft (41.15-m) maximum vertical hydraulic reach*
- Load Moment Indicator system (LMI) with WADS (CANBUS system)
- Proportional boom extension
- High performance planetary winch
- 99-gallon (375L) hydraulic reservoir with 10 micron return filter.
- * Maximum vertical reach is ground-level to boom tip height at maximum extension and angle with outriggers/stabilizers fully extended.
 - 14004



- **33 Ton (29.9 mt) Rating** The new 1400A is a 33-ton machine, a 10% increase in capacity over the Series 1300.
- 127-foot (38.72 m) Five-Section Boom The longest in its size range. The longer boom allows the operator to perform more lifts without the use of a jib, reducing setup time and improving efficiency. A 100-foot (30.5 m) four-section boom or a 110-foot (33.5 m) four-section boom is also available.
- **Overload Protection** All National cranes are equipped with overload protection:
- Load Moment Indicator (LMI) standard on all series 1400A machines.
- LMI display console with WADS (Working Area Definition System) is weatherproof.
- LCD display is visible in full or low light.
- All crane load lifting values are displayed simultaneously.
- **Self-lubricating "Easy Glide" Boom Wear Pads** The self-lubricating boom pads, standard on the 1400A, reduce the conditions that cause boom chatter and vibration. The net result is smoother crane operation.
- **Internal Anti-two-block Wire** This exclusive design, standard on the Series 1400A, routes the wiring through the inside of the boom. No more snagging the wire on obstructions.
- "H"-style Outriggers Two sets of "H"-style outriggers with 24' 6" (7.47 m) span, with removable ball and socket aluminum foot pads. Independent controls located on each side of the crane - can be positioned at mid-span setting of 17' (5.18 m). Single-front stabilizer (SFO) with first-up feature.
- Continuous Rotation/Glide Swing The series 1400A is supplied with continuous rotation standard, along with the "glide swing" feature - allowing free swing during rotation - and a manually applied foot brake.
- Adjustable Swing Speed Standard on the 1400A. A control knob located on the swing motor brake release valve can be easily adjusted to the crane operator's swing speed preference.
- Oil Cooler Radiator mounted at boom rest with electric fan is standard.
- **Heavier-duty Torsion Box** The stronger standard torsion box improves rigidity, reduces truck frame flex and reduces the need for counterweight.
- Electronic versions of manuals available through Manitowoc Crane CARE.
- **Speedy-reeve Boom Tip and Sheave Blocks** These standard features simplify rigging changes by decreasing the time needed to change line reeving.
- **Pre-painted Components** Painting crane components before assembly reduces the possibility of rust, improves serviceability and enhances the appearance of the machine.
- Deluxe Operator's Cab NEW VISION CAB[™] has a rigid powder coated steel structure, is well insulated, with ample safety glass for operator visibility and comfort. Multi-position seat with arm rest single axis joystick controls, ventilation fans, diesel heater, wipers. Optional air-conditioning is available. Optional open-seat control station in lieu of enclosed cab is available.
- · Improved Serviceability -
 - Bearings on the boom extend and retract cables can be greased through access holes in the boom side plates.
 - Number of internal boom parts has been reduced, decreasing service time when rebuilding the machine.
- Hydraulic System Pressure-compensated control valves with load-sensing variable displacement piston pump.
- National Crane Is the Market Leader National is number one in the production of commercial truck-mounted boom trucks, with more than 35,000 units sold. National has many programs and people directly and indirectly involved to provide our customers with reliable products.
 - National has the boom truck industry's leading test program. Every structural part of the crane is cycle tested up to 60,000 cycles at full capacity. In addition to cycle testing, each model is subjected to state-of-the-art strain gauge testing that measures metal deformation as small as one one-millionth of an inch. The net result is that any weak areas are caught in test, not on job sites where costly downtime occurs.
 - Parts are available for all National Crane machines, for the life of the crane.
 - National has a formalized quality program and is ISO 9001 approved.
- You Expect National Crane to be a Quality Product That Will Provide Years of Service, and So Do We.
- National Crane's Quality Management System is ISO 9001:2000 Approved.

mounting configuration

The mounting configuration shown is based on the Series 1400A with an 85% stability factor. The complete unit must be installed in accordance with factory requirements and a test performed to determine actual stability and counterweight requirements since individual truck chassis vary. If bare truck weights are not met, counterweight will be required. The front bumper stabilizer (SFO) is required for all installations. Chassis must be equipped with a front frame extension suitable for SFO addition. Contact factory for complete chassis specifications.

| Working area | 360° |
|---|---|
| Gross Axle Weight Rating Front | |
| Gross Axle Weight Rating Rear | 34,000 lb (15 422 kg)* |
| Gross Vehicle Weight Rating | 54,000 lb (24 494 kg)* |
| Wheelbase | Minimum 258 in (655 cm) |
| Cab to Axle/trunnion (CA/CT) | Minimum 180 in (457 cm) |
| After Frame (AF) | 92 in (234 cm) minimum |
| Frame Section Modulus (SM), front axle to end of afterframe, w/110,000 PS | SI (758 MPa)30 in ³ (492 cm ³) |
| Stability Weight, Front | 9,000 lb (4082 kg) minimum** |
| Stability Weight, Rear | 8,000 lb (3629 kg) minimum** |
| Estimated Average Final Weight | 51,880 lb (23 585 kg)*** |

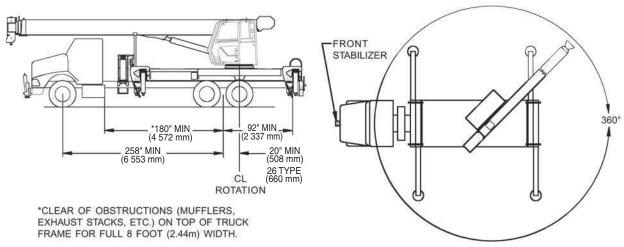
The diagram shows the 360° working area that can be achieved with the front stabilizer (standard on the Series 1400A). The front stabilizer is required when extending the boom and lifting loads forward of the outriggers. A minimum of 10-in³ (164 cm³) section modulus at 110,000 psi (759 MPa) is required from the rear of the front spring hanger forward to the front stabilizer. Integral front frame extension required.

* Required to mount basic crane with 30-ft (9.15-m) jib option. Additional options or heavier bare chassis weights will require additional axles or a GVWR in excess of 54,000 lb (24 494 kg); in some states, special permits for overload are required.

** Estimated axle scale weights prior to installation of crane, stabilizers and subbase for 85% stability.

*** Includes basic crane without jib, 100-gal (379-L) fuel tank and two workers (300 lb, 136kg) in cab.

Note: Chassis will require integral extended front frame rails for SFO addition.



details.

360° FULL CAPACITY WORKING AREA

Notes:

- Gross Vehicle Weight Rating (GVWR) is dependent on all components of the vehicle (axles, tires, springs, frame, etc.) meeting manufacturers' recommendations; always specify GVWR when purchasing trucks.
- Diesel engines require a variable speed governor and energize-to-run fuel solenoid for smooth crane operation. Electronic fuel-injected engines are required.
- All mounting data is based on a National Series 1400A with the standard subbase and an 85 percent stability factor.
 The complete unit must be installed in accordance with factory requirements, and a test performed to determine actual stability and counterweight requirements per SAE J765; contact the factory for
- Transmission neutral safety interlock switch is required.



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TRUCK REQUIREMENTS

specifications

Boom and Jib Combinations Data

Available in three basic models.

Model 14100A — Equipped with a 30 ft 10 in to 100 ft (9.40-30.49 m) four-section boom. This model can be equipped with a 30 ft (9.15 m) single-section jib or a 30-54 ft (9.15-16.46 m) two-section jib. Maximum tip height w/30ft (9.15 m) jib is 137 ft (41.77 m), while maximum tip height w/30-54 ft (9.15-16.46 m) jib is 161 ft (49.08 m).

| 30'10" - 100' (9.40-30.49 m) four-section boom | 14FJ30M 30 ft (9.15 m) single-section jib |
|--|--|
| 30'10" - 100' (9.40-30.49 m) four-section boom | 14FJ54M 30-54 ft (9.15-16.46 m) two-section jib |

Model 14110A — Equipped with a 33 ft 4 in to 110 ft (10.16-33.53 m) four-section boom. This model can be equipped with a 30 ft (9.15 m) single section jib or a 30-54 ft (9.15-16.46 m) two-section jib. Maximum tip height w/30ft (9.15 m) jib is 147 ft (44.82 m), while maximum tip height w/54 ft (16.46 m) jib is 171 ft (52.13 m).

| 33'4" - 110' (10.16-33.53 m) four-section boom | 14FJ30M 30 ft (9.15 m) single-section jib |
|--|---|
| | |
| 33'4" - 110' (10.16-33.53 m) four-section boom | 14FJ54M 30-54 ft (9.15-16.46 m) two-section jib |
| | |

Model 14127A — Equipped with a 31 ft 7 in to 127 ft (9.63-38.72 m) five-section boom. This model can be equipped with a 30 ft (9.15 m) single-section jib. Maximum tip height w/ 30 ft (9.15 m) jib is 164 ft (50.00 m).

31'7" - 127' (9.63-38.72 m) five-section boom 14FJ30M 30 ft (9.15 m) single-section jib

Note: maximum tip height is measured with outriggers/stabilizers fully extended.

1400A Winch Data

| Do not deadhead line block against boom tip when extending boom. | | No. 10 | Z T dit Line | 5 T alt Line | - I dit Line | | e 6 Part Line | 7 Tall Line | | |
|--|--|---------------------------------|--|--|--|--|---|--|---|---|
| Keep at least 3 wraps of loadline on drum at all times. Use only 5/8" diameter rotation- resistant cable with 45.400 pounds | | | | | M | | | | | |
| breaking s | strength on thi | is machine. | A | 1 | 9 | 3 | 3 | | 1 | |
| MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN WITH LOAD BLOCK AT GROUND LEVEL | | OWN | 110' boom w/ 54' jib | 110' | 83' | 64' | 52' 43' | | 43' 36' | |
| Winch | Cable Supplied | Average Breaking Strength | Lift and Speed | Lift and Speed | Lift and Speed | Lift and Speed | Lift and Speed | Lift and Speed | Lift and Speed | Lift and Speed |
| Standard Planetary Winch Low Speed | 5/8" Diameter Rotation Resistant | 45,400 lb (20 593 kg) | 9,000 lb (4082 kg) 170 fpm (52 m/min) | 18,000 lb (8165 kg) 85 fpm (26 m/min) | 27,000 lb (12 247 kg) 57 fpm (17 m/min) | 36,000 lb (16 329 kg) 43 fpm (13 m/min) | 45,000 lb (20 412 k 34 fpm (10 m/min | | 63,000 lb (28 576 kg) 24 fpm (7 m/min) | 66,000 lb (29 937 kg 21 fpm (6 m/min) |
| Standard Planetary Winch High Speed | 5/8" Diameter Rotation Resistant | 45,400 lb (20 593 kg) | 4,400 lb (1996 kg) 340 fpm (104 m/min) | 8,800 lb (3992 kg) 170 fpm (52 m/min) | 13,200 lb (5987 kg) 113 fpm (34 m/min) | 17,600 lb (7983 kg) 85 fpm (26 m/min) | 22,000 lb (9979 kg 68 fpm (21 m/min | | 30,800 lb (13 971 kg) 49 fpm (15 m/min) | 35,200 lb (15 967 kg 43 fpm (13 m/min) |
| and third laye | ers. Winch line sp | peed would deci | nown on the fourth layer. rease on the first, second e safety factor. These an | and third layers. Winch | | | 1 | Block Type ux. Boom Head Iownhaul Weight | Rating 5 Ton (4.53t) | Weight 100 lb (45 kg) 180 lb (82 kg) |
| Winch Standard p | lanetary | 4,400 lb. | Full Drum Pull (1996 kg) (high spee | ed) 9,08 | able Cable Pull 0 lb. (4119 kg) | | | 1 Sheave Block 2 Sheave Block 3 Sheave Block | 15 Ton (13.60t) 25 Ton (22.67t) 35 Ton (31.74t) | 375 lb (170 kg) 640 lb (290 kg) 870 lb (395 kg) |



NATIONAL

CRANE

4,400 lb. (1996 kg) (high speed) 9,000 lb. (4082 kg) (low speed)

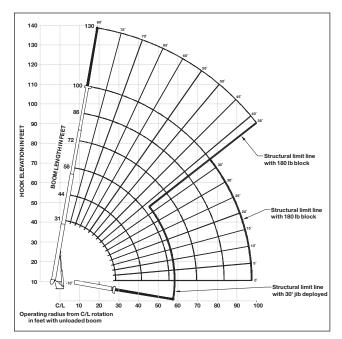
970 lb (440 ka)

36 Ton (32.65)

4 Sheave Block

Load Rating Chart: Series 14100A (30.5 m) Boom with 30' (9.1 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request – or you may secure needed load rating information through your nearest National dealer.



CAUTION:

 Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.

capacities

- Jib and boom capacities shown are maximum for each section.
- · Do not exceed capacities at reduced radii.
- Load ratings shown on the appropriate charts are maximum allowable loads with the crane mounted on a factory-approved truck and all outriggers at either full span or at mid span range and set on a firm level surface so that the crane is level and all tires are suspended.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- · Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

| SERIES 14100A |
|-----------------|
| WITH |
| 30' JIB / |
| FULL-SPAN |
| OUTRIGGER 24'6" |
| |

NOTE:

- Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

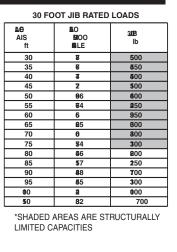
LOADLINE EQUIPMENT DEDUCT

| Downhaul weight | 180 lb (81.6 kg) |
|--------------------|------------------|
| One sheave block | 375 lb (170 kg) |
| Two sheave block | 640 lb (290 kg) |
| Three sheave block | 870 lb (395 kg) |
| Four sheave block | 970 lb (440 kg) |

Load Rating Chart: Series 14100A (30.5 m) Boom with 30' (9.1 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

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| 31 TO 100 FOOT BOOM RATED LOADS WITHOUT JIB | | | | | | | | | | | | |
|---|-------------------------|-----------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|------------------------|
| LOADED RADIUS (ft) | LOADED BOOM ANGLE | 31 ft BOOM (Ib) | LOADED BOOM ANGLE | A 44 ft BOOM (Ib) | LOADED BOOM ANGLE | B 58 ft BOOM (Ib) | LOADED BOOM ANGLE | C 72 ft BOOM (Ib) | LOADED BOOM ANGLE | D 86 ft BOOM (Ib) | LOADED BOOM ANGLE | 100 ft BOOM (lb) |
| 6 | 75.5 | 66.000 | | () | | () | | | | | | () |
| 8 | 71.2 | 52.500 | | | | | | | | | | |
| 10 | 66.9 | 43,000 | 75 | 38,500 | | | | | | | | |
| 12 | 62.5 | 39,400 | 72.3 | 34,000 | 77.5 | 28,000 | | | | | | |
| 15 | 55.4 | 33,000 | 68 | 28,600 | 74.4 | 25,600 | 78 | 23,000 | | | | |
| 20 | 42 | 24,350 | 60.3 | 22,000 | 69 | 19,700 | 73.8 | 18,400 | 77 | 17,100 | 78.9 | 11,800 |
| 25 | 23.3 | 17,500 | 52.5 | 18,000 | 63.4 | 16,500 | 69.7 | 15,000 | 73.4 | 14,000 | 76.1 | 11,200 |
| 30 | | | 43.5 | 15,300 | 57.6 | 14,000 | 65.1 | 12,700 | 69.7 | 11,750 | 73.3 | 10,800 |
| 35 | | | 32.6 | 12,800 | 51 | 12,500 | 60.3 | 10,900 | 66.2 | 10,200 | 70.2 | 9,400 |
| 40 | | | 15 | 10,000 | 44.3 | 10,750 | 55.5 | 9,650 | 62.8 | 9,200 | 67.2 | 8,300 |
| 45 | | | | | 37 | 8,800 | 50.8 | 8,100 | 58.8 | 7,600 | 64.2 | 7,300 |
| 50 | | | | | 27.1 | 7,000 | 45.2 | 7,200 | 50.3 | 6,500 | 60.8 | 6,300 |
| 55 | | | | | 10.1 | 5,600 | 39 | 6,000 | 54.4 | 5,900 | 57.3 | 5,200 |
| 60 | | | | | | | 31.4 | 4,800 | 45.5 | 5,000 | 53.6 | 4,500 |
| 65 | | | | | | | 22.2 | 4,000 | 40.2 | 4,000 | 49.9 | 4,000 |
| 70 | | | | | | | | | 34.3 | 3,400 | 45.9 | 3,300 |
| 75 | | | | | | | | | 27.6 | 2,700 | 41.5 | 2,800 |
| 80 | | | | | | | | | 18.1 | 2,200 | 36.7 | 2,300 |
| 85 | | | | | | | | | | | 31.1 | 1,700 |
| 90 | | | | | | | | | | | 24.4 | 1,300 |
| 95 | | | | | | | | | | | 15 | 1,000 |
| | 0 | 12,200 | 0 | 8,000 | 0 | 4,800 | 0 | 2,200 | 0 | 1,200 | 0 | 500 |



400

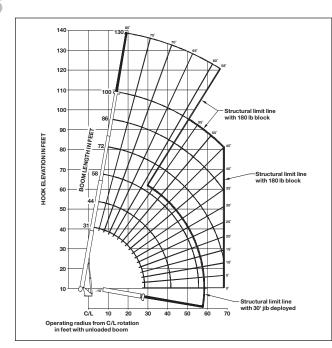
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



capacities

Load Rating Chart: Series 14100A (30.5 m) Boom with 30' (9.1 m) Jib / Mid-Span Outrigger 17' (5.2 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request – or you may secure needed load rating information through your nearest National dealer.



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section. Do not exceed capacities at reduced radii.
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended and the outrigger lock pins engaged on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- · Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- · Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

| SERIES 14100A |
|---------------|
| WITH |
| 30' JIB / |
| MID-SPAN |
| OUTRIGGER 17' |

NOTE:

- Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

Load Rating Chart: Series 14100A (30.5 m) Boom with 30' (9.1 m) Jib / Mid-Span Outrigger 17' (5.2 m)

31 TO 100 FOOT BOOM RATED LOADS WITHOUT JIB

| - | | | | | | | | | | | | | | | | |
|----------------|----------------|---------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|----------------|----------------|------------------------|-----------|--|
| LOAD RADIUS | LOADED BOOM | 31 ft BOOM | LOADED BOOM | A 44 ft | LOADED BOOM | B 58 ft | LOADED BOOM | C 72 ft | LOADED BOOM | D 86 ft | LOADED BOOM | 100 ft BOOM | 30 F0 | 0 FOOT JIB RATED LOADS | | |
| (ft) | ANGLE | (lb) | ANGLE | BOOM (lb) | ANGLE | BOOM (Ib) | ANGLE | BOOM (Ib) | ANGLE | BOOM (lb) | ANGLE | (lb) | LOAD RADIUS | LOADED BOOM | 30 ft JIB | |
| 6 | 75.5 | 66,000 | | | | | | | | | | | (ft) | ANGLE | (lb) | |
| 8 | 71.2 | 52,500 | | | | | | | | | | | 30 | 78 | 5.500 | |
| 10 | 66.9 | 43,000 | 75 | 38,500 | | | | | | | | | 35 | 76 | 5,450 | |
| 12 | 62.5 | 39,400 | 72.3 | 34,000 | 77.5 | 28,000 | | | | | | | 40 | 76 | | |
| 15 | 55.4 | 33,000 | 68 | 28,600 | 74.4 | 25,600 | 78 | 23,000 | | | | | | | 5,400 | |
| 20 | 41.9 | 18,700 | 60.3 | 22,000 | 69 | 19,700 | 73.8 | 18,400 | 77 | 17,100 | 78.9 | 11,850 | 45 | 71.4 | 4,300 | |
| 25 | 23.3 | 11,500 | 52.4 | 14.200 | 63.2 | 12.800 | 69.4 | 13,200 | 73.7 | 13.300 | 76.1 | 11.200 | 50 | 68.7 | 3,250 | |
| 30 | | | 43.2 | 9.800 | 57.7 | 8.800 | 65.2 | 9.100 | 69.8 | 9.250 | 73.3 | 9.500 | 55 | 66.1 | 2,500 | |
| 35 | | | 33.1 | 7.100 | 51.4 | 6.350 | 60.4 | 6.400 | 66.2 | 6.800 | 70.2 | 6.950 | 60 | 63.4 | 1,800 | |
| 40 | | | 16.6 | 5.100 | 44.4 | 4.700 | 55.5 | 4.850 | 62.3 | 5.100 | 66.9 | 5.200 | 65 | 60.6 | 1,250 | |
| 45 | | | 10.0 | 0,100 | 36.5 | 3.500 | 50.3 | 3.650 | 58.3 | 3.850 | 63.5 | 3.950 | 70 | 57.9 | 800 | |
| 50 | | | | | 26.5 | 2.500 | 44.7 | 2.700 | 54 | 2.850 | 60.1 | 3,000 | | | | |
| | | | | | | | | , | | 1 | | | | | | |
| 55 | | | | | 9.3 | 1,700 | 38.4 | 1,900 | 49.6 | 2,100 | 56.5 | 2,200 | | | | |
| 60 | | | | | | | 31.1 | 1,250 | 44.9 | 1,500 | 52.8 | 1,600 | | | | |
| 65 | | | | | | | 21.6 | 750 | 39.7 | 950 | 48.9 | 1,050 | | | | |
| 70 | | | | | | | | | 33.9 | 500 | 44.9 | 650 | | | | |
| 95 | | | | | | | | | | | | | | | | |
| | 0 | 7,500 | 0 | 4,000 | 0 | 700 | | | | | | | | | | |

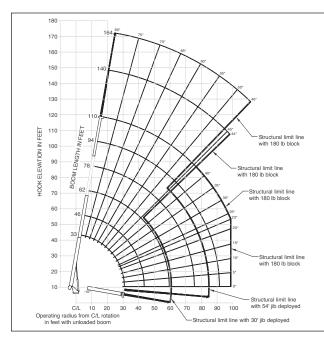
*SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



Load Rating Chart: Series 14110A (33.5 m) Boom with 30'-54' (9.1-16.45 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request - or you may secure needed load rating information through your nearest National dealer.



NOTE:

- 1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- 2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

CAUTION:

· Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.

capacities

- Jib and boom capacities shown are maximum for each section.
- · Do not exceed capacities at reduced radii.
- Load ratings shown on the appropriate charts are maximum allowable loads with the crane mounted on a factory-approved truck and all outriggers at either full span or at mid span range and set on a firm level surface so that the crane is level and all tires are suspended.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

SERIES 14110A WITH 30'-54' JIB / **FULL-SPAN OUTRIGGER 24'6"**

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LOADLINE EQUIPMENT DEDUCT

| Downhaul weight | 180 lb (81.6 kg) |
|--------------------|------------------|
| One sheave block | 375 lb (170 kg) |
| Two sheave block | 640 lb (290 kg) |
| Three sheave block | 870 lb (395 kg) |
| Four sheave block | 970 lb (440 kg) |

Load Rating Chart: Series 14110A (33.5 m) Boom with 30'-54' (9.1-16.45 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

33 TO 110 FOOT BOOM RATED LOADS WITHOUT JIB

| LOAD RADIUS (ft) | LOADED BOOM ANGLE | 33 ft BOOM (Ib) | LOADED BOOM ANGLE | A 46 ft BOOM (Ib) | LOADED BOOM ANGLE | B 62 ft BOOM (Ib) | LOADED BOOM ANGLE | C 78 ft BOOM (Ib) | LOADED BOOM ANGLE | D 94 ft BOOM (Ib) | LOADED BOOM ANGLE | 110 ft BOOM (lb) |
|------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| 6 | 76.7 | 66,000 | | | | | | | | | | |
| 8 | 72.8 | 51,700 | | | | | | | | | | |
| 10 | 68.9 | 42,200 | 76 | 37,000 | | | | | | | | |
| 12 | 64.9 | 38,400 | 73.4 | 33,400 | 78.2 | 26,900 | | | | | | |
| 15 | 58.6 | 32,200 | 69.3 | 28,000 | 75.6 | 24,900 | 79.4 | 22,800 | | | | |
| 20 | 48.5 | 23,900 | 62.2 | 21,650 | 70.2 | 19,300 | 74.8 | 17,900 | 78.2 | 14,100 | | |
| 25 | 33.3 | 17,600 | 54.4 | 17,800 | 64.9 | 16,050 | 71 | 14,550 | 75.1 | 12,400 | 77.4 | 9,200 |
| 30 | | | 46.2 | 15,100 | 59.8 | 13,600 | 67 | 12,300 | 71.9 | 11,200 | 75.1 | 8,700 |
| 35 | | | 36.3 | 12,750 | 54 | 12,050 | 63 | 10,600 | 68.5 | 9,750 | 72.5 | 8,000 |
| 40 | | | 22.9 | 10,100 | 47.8 | 10,450 | 58.7 | 9,300 | 65.5 | 8,550 | 69.6 | 7,200 |
| 45 | | | | | 41.6 | 8,750 | 54.5 | 7,800 | 61.9 | 7,350 | 67 | 6,400 |
| 50 | | | | | 33.9 | 7,200 | 49.7 | 6,900 | 58.2 | 6,250 | 63.9 | 5,700 |
| 55 | | | | | 23.6 | 5,600 | 44.5 | 6,000 | 54.4 | 5,500 | 60.8 | 4,700 |
| 60 | | | | | | | 38.6 | 4,900 | 50.5 | 4,800 | 57.6 | 4,000 |
| 65 | | | | | | | 31.9 | 4,000 | 46.3 | 4,200 | 54.4 | 3,400 |
| 70 | | | | | | | 23.3 | 3,250 | 41.7 | 3,450 | 51 | 2,700 |
| 75 | | | | | | | 8.7 | 2,500 | 36.6 | 2,750 | 47.4 | 2,300 |
| 80 | | | | | | | | | 30.7 | 2,250 | 43.6 | 1,800 |
| 85 | | | | | | | | | 23.5 | 1,750 | 39.3 | 1,200 |
| 90 | | | | | | | | | 12.5 | 1,250 | 34.7 | 1,000 |
| 95 | | | | | | | | | | | 29.6 | 800 |
| 100 | | | | | | | | | | | 23.3 | 600 |
| | | | | | | | | | | | | |
| | 0 | 12,000 | 0 | 7,500 | 0 | 4,500 | 0 | 2,100 | 0 | 1,000 | | |

| LOAD RADIUS (ft) | LOADED BOOM ANGLE | 30 ft JIB (Ib) | LOADED BOOM ANGLE | 54 ft JIB (lb) |
|------------------------|-------------------------|-------------------|-------------------------|-------------------|
| 30 | 79.1 | 5,050 | | |
| 35 | 77.4 | 5,000 | 79.5 | 2,650 |
| 40 | 75.6 | 4,950 | 78.1 | 2,600 |
| 45 | 74.7 | 4,700 | 77.6 | 2,500 |
| 50 | 71.6 | 4,300 | 75 | 2,400 |
| 55 | 69.5 | 4,000 | 73.2 | 2,300 |
| 60 | 67.3 | 3,700 | 71.4 | 2,200 |
| 65 | 65.1 | 3,400 | 69.6 | 2,100 |
| 70 | 62.9 | 3,150 | 67.8 | 2,000 |
| 75 | 60.5 | 2,850 | 66 | 1,850 |
| 80 | 58 | 2,500 | 64.1 | 1,750 |
| 85 | 55.5 | 2,000 | 62.2 | 1,600 |
| 90 | 52.8 | 1,600 | 60.2 | 1,500 |
| 95 | 50 | 1,200 | 58 | 1,400 |
| 100 | 47.1 | 850 | 55.8 | 1,300 |
| 105 | 43.9 | 500 | 53.6 | 1,200 |
| 110 | | | 51.2 | 1,000 |
| 115 | | | 48.7 | 750 |
| 120 | | | 46.1 | 500 |

LIMITED CAPACITIES

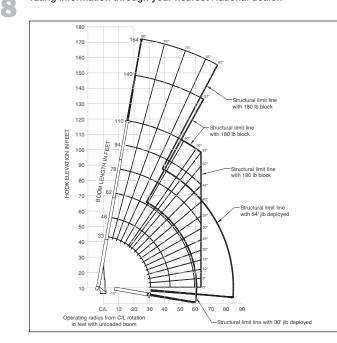
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



capacities

Load Rating Chart: Series 14110A (33.5 m) Boom with 30'-54' (9.1-16.45 m) Jib / Mid-Span Outrigger 17' (5.2 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request – or you may secure needed load rating information through your nearest National dealer.



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section. Do not exceed capacities at reduced radii.
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended and the outrigger lock pins engaged on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- · Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- · Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

| SERIES 14110A |
|----------------------|
| WITH |
| 30'-54' JIB |
| MID-SPAN |
| OUTRIGGER 17' |
| |

| LOADLINE EQUIPMENT DEDUCT | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|
| Downhaul weight180 lb (81.6 kg) One sheave block | | | | | | | | | | |

33 TO 110 FOOT BOOM RATED LOADS WITHOUT JIB

NOTE:

- Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- 2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

Load Rating Chart: Series 14110A (33.5 m) Boom with 30'-54' (9.1-16.45 m) Jib / Mid-Span Outrigger 17' (5.2 m)

| | | | 55 | IO HOF | 01.00 | | LOAD | , | 1 010 | | | | | | | | | |
|----------------|----------------|---------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|----------------|----------------|-------------------------------|-----------|--------|-----------|--|
| LOAD RADIUS | LOADED BOOM | 33 ft BOOM | LOADED BOOM | A 46 ft | LOADED BOOM | B 62 ft | LOADED BOOM | C 78 ft | LOADED BOOM | D 94 ft | LOADED BOOM | 110 ft BOOM | 30 | 30 TO 54 FOOT JIB RATED LOADS | | | | |
| (ft) | ANGLE | (lb) | ANGLE | BOOM (Ib) | ANGLE | BOOM (lb) | ANGLE | BOOM (Ib) | ANGLE | BOOM (Ib) | ANGLE | (Ib) | LOAD | LOADED | 30 ft JIB | LOADED | 54 ft JIB | |
| 6 | 76.7 | 66,000 | | | | | | | | | | | RADIUS (ft) | ANGLE | (lb) | ANGLE | (lb) | |
| 8 | 72.8 | 51,700 | | | | | | | | | | | 30 | 79.1 | 5.050 | | | |
| 10 | 68.9 | 42,200 | 76 | 37,000 | | | | | | | | | | | | 70.5 | 0.050 | |
| 12 | 64.9 | 38,400 | 73.4 | 33,400 | 78.2 | 26,900 | | | | | | | 35 | 77.4 | 5,000 | 79.5 | 2,650 | |
| 15 | 58.6 | 32,200 | 69.3 | 28,000 | 75.6 | 24,900 | 79.4 | 22,800 | | | | | 40 | 75.6 | 4,950 | 78.1 | 2,600 | |
| 20 | 46.9 | 18,500 | 62.2 | 21,650 | 70.2 | 19,300 | 74.8 | 17,900 | 78.2 | 14,100 | | | 45 | 73.4 | 4,300 | 77.6 | 2,500 | |
| 25 | 32.3 | 11,000 | 54.4 | 14,000 | 64.7 | 12,800 | 70.8 | 13,200 | 75.1 | 12,400 | 77.4 | 9,200 | 50 | 70.9 | 3,250 | 75 | 2,400 | |
| 30 | | | 45.9 | 9,500 | 59.8 | 8,600 | 67 | 9,100 | 71.7 | 9.200 | 75.1 | 8,700 | 55 | 68.4 | 2,400 | 73.2 | 2,300 | |
| 35 | | | 36.9 | 7,000 | 54 | 6,200 | 62.8 | 6,400 | 68.2 | 6.800 | 72.2 | 7.000 | 60 | 65.9 | 1,750 | 71.4 | 2,200 | |
| 40 | | | 23.9 | 4,800 | 47.8 | 4,500 | 58.2 | 4,600 | 64.7 | 5.000 | 69 | 5,200 | 65 | 63.4 | 1,150 | 69 | 1,900 | |
| 45 | | | | , | 40.9 | 3,200 | 54 | 3,400 | 61 | 3,600 | 65.9 | 3,900 | 70 | 60.8 | 700 | 66.7 | 1,450 | |
| 50 | | | | | 33.1 | 2,100 | 48.8 | 2,500 | 57.4 | 2.600 | 62.9 | 2,800 | 75 | | | 64.5 | 1,050 | |
| 55 | | | | | 22.8 | 1.300 | 43.5 | 1,700 | 53.4 | 1.900 | 59.9 | 2,000 | 80 | | | 62.1 | 650 | |
| 60 | | | | | 22.0 | 1,000 | 37.7 | 1,100 | 49.4 | 1,300 | 56.6 | 1.400 | | | | | | |
| 65 | | | | | | | 31 | 600 | 45.1 | 750 | 53.3 | 900 | | | | | | |
| | | | | | | | | | .5.1 | 100 | 00.0 | 500 | | | | | | |
| | 0 | 7,000 | 0 | 3,600 | 0 | 500 | | | | | | | | | | | | |

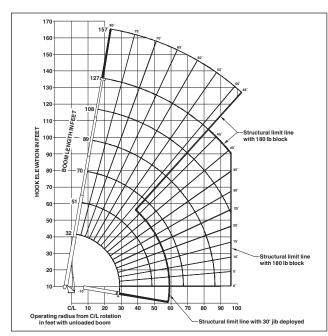
*SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



Load Rating Chart: Series 14127A (38.7 m) Boom with 30' (9.1 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request - or you may secure needed load rating information through your nearest National dealer.



CAUTION:

· Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.

capacities

q

- Jib and boom capacities shown are maximum for each section.
- · Do not exceed capacities at reduced radii.
- Load ratings shown on the appropriate charts are maximum allowable loads with the crane mounted on a factory-approved truck and all outriggers at either full span or at mid span range and set on a firm level surface so that the crane is level and all tires are suspended.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

| SERIES 14127A |
|-----------------|
| WITH |
| 30' JIB / |
| FULL-SPAN |
| OUTRIGGER 24'6" |
| |

NOTE:

- 1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- 2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

LOADLINE EQUIPMENT DEDUCT

| Downhaul weight | 180 lb (81.6 kg) |
|--------------------|------------------|
| One sheave block | 375 lb (170 kg) |
| Two sheave block | 640 lb (290 kg) |
| Three sheave block | 870 lb (395 kg) |
| Four sheave block | 970 lb (440 kg) |

Load Rating Chart: Series 14127A (38.7 m) Boom with 30' (9.1 m) Jib / Full-Span Outrigger 24'6" (7.5 m)

•

| | | | 32 T | O 127 FO | от воо | M RATED | LOADS | WITHOUT | JIB | | | | | | | |
|----------------|----------------|------------------|----------------|------------|----------------|------------|----------------|------------|----------------|-------------|----------------|----------------|----------------|----------------|-------------|--|
| LOAD RADIUS | LOADED BOOM | 32 ft BOOM | LOADED BOOM | A 51 ft | LOADED BOOM | B 70 ft | LOADED BOOM | C 89 ft | LOADED BOOM | D 108 ft | LOADED BOOM | 127 ft BOOM | 30 F | OOT JIB RATED | RATED LOADS | |
| (ft) | ANGLE | (lb) | ANGLE | BOOM (lb) | ANGLE | BOOM (Ib) | ANGLE | BOOM (Ib) | ANGLE | BOOM (lb) | ANGLE | (lb) | LOAD RADIUS | LOADED BOOM | 30 ft J | |
| 6 | 76.5 | 66,000 | | | | | | | | | | | (ft) | ANGLE | (lb) | |
| 8 | 72.3 | 48,050 41,250 | 77.6 | 33.000 | | | | | | | | | 35 | 78.6 | 3,85 | |
| 10 | 64 | 36.300 | 75.6 | 30.050 | | | | | | | | | 40 | 77.1 | 3,70 | |
| 12 | 57.4 | 30,300 | 75.0 | 26.200 | 77.5 | 22.800 | | | | | | | 45 | 75.4 | 3,55 | |
| 20 | 45.2 | 24.550 | 65.5 | 20,200 | 73.3 | 19.200 | 77.7 | 16.800 | | | | | 50 | 73.8 | 3,40 | |
| 20 | 45.2 29.2 | 19.900 | 59 | 17.050 | 68.9 | 15.600 | 74.5 | 14.400 | 78 | 12.400 | | | 55 | 72.1 | 3,25 | |
| 30 | 29.2 | 19,900 | 59 | 14.600 | 64.3 | 13,000 | 74.5 | 12.050 | 75.3 | 12,400 | 77.9 | 8.000 | 60 | 70.3 | 3,10 | |
| 35 | | | 44 | 12.550 | 59.5 | 10.900 | 67.4 | 9.900 | 73.3 | 9.200 | 75.9 | 7,700 | 65 | 68.5 | 2,95 | |
| 40 | | | 34.6 | 10.100 | 54.5 | 9.400 | 64.1 | 8.500 | 69.9 | 8.000 | 73.7 | 7,300 | 70 | 66.5 | 2,70 | |
| 45 | | | 23.4 | 8.050 | 49.6 | 8.250 | 60.4 | 7.400 | 66.9 | 6.900 | 71.4 | 6.500 | 75 | 64.5 | 2,55 | |
| 50 | | | 20.4 | 0,000 | 43.7 | 7.050 | 56.4 | 6.350 | 63.8 | 5.650 | 68.8 | 5.650 | 80 | 62.4 | 2,30 | |
| 55 | | | | | 36.9 | 5.900 | 52.3 | 5.700 | 60.7 | 4.950 | 66.2 | 4.700 | 85 | 60.2 | 2,10 | |
| 60 | | | | | 28.9 | 4.800 | 48 | 5.100 | 57.4 | 4,350 | 63.3 | 3.600 | 90 | 58 | 1,85 | |
| 65 | | | | | 17.5 | 3.850 | 43.1 | 4.200 | 54.1 | 3.900 | 60.7 | 3.200 | 95 | 55.6 | 1,65 | |
| 70 | | | | | | 0,000 | 37.8 | 3.400 | 50.6 | 3,450 | 58 | 2.800 | 100 | 53.2 | 1,30 | |
| 75 | | | | | | | 31.7 | 2.700 | 46.8 | 2.850 | 55.2 | 2,500 | 105 | 50.6 | 95 | |
| 80 | | | | | | | 24.2 | 2.150 | 42.8 | 2.300 | 52.3 | 2.200 | 110 | 47.8 | 65 | |
| 85 | | | | | | | 12.8 | 1.600 | 38.4 | 1.800 | 49.3 | 1.950 | | | | |
| 90 | | | | | | | | , | 33.4 | 1.350 | 46 | 1.500 | | | | |
| 95 | | | | | | | | | 27.7 | 950 | 42.4 | 1,100 | | | | |
| 100 | | | | | | | | | 20.6 | 600 | 38.7 | 750 | | REAS ARE STR | | |
| | | | | | | | | | | | | | LIMITED CA | | | |
| | 0 | 12,800 | 0 | 5,400 | 0 | 2,600 | 0 | 1,100 | | | | | LIVITED CA | FAUITES | | |

STRUCTURALLY

30 ft JIB (lb) 3,850 3 700 3,550 3,400 3,250 3,100 2.700 2,550 2 300 2.100 1,850 1,650 1,300 950

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



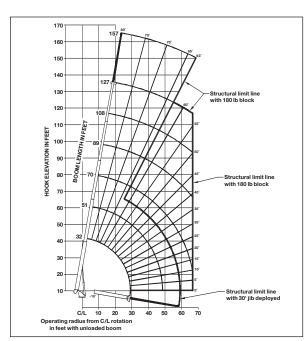


capacities

Load Rating Chart: Series 14127A (38.7 m) Boom with 30' (9.1 m) Jib / Mid-Span Outrigger 17' (5.2 m)

Other Series 1400A Load Rating Charts are available. National will send you a chart on request - or you may secure needed load rating information through your nearest National dealer.





CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section. Do not exceed capacities at reduced radii.
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended and the outrigger lock pins engaged on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

| SERIES 14127A |
|----------------------|
| WITH |
| 30' JIB / |
| MID-SPAN |
| OUTRIGGER 17' |
| |

| LOADLINE EQUIPMENT DEDUCT | | | | | | | | | | | |
|------------------------------|------------|--|--|--|--|--|--|--|--|--|--|
| Downhaul weight | (g) (g) | | | | | | | | | | |

NOTE:

- 1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
- 2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

Load Rating Chart: Series 14127A (38.7 m) Boom with 30' (9.1 m) Jib / Mid-Span Outrigger 17' (5.2 m)

| | | | 32 | TO 127 F | DOT BO | OM RATE | D LOAD | S WITHOU | JT JIB | | | | | | |
|----------------|----------------|--------|-------|-----------|----------------|----------------|-------------------------|-----------|--------|-----------|-------|-------|----------------|--------|-----------|
| LOAD RADIUS | LOADED BOOM | | | | LOADED BOOM | 127 ft BOOM | 30 FOOT JIB RATED LOADS | | | | | | | | |
| (ft) | ANGLE | (lb) | ANGLE | BOOM (lb) | ANGLE | BOOM (lb) | ANGLE | BOOM (lb) | ANGLE | BOOM (lb) | ANGLE | (lb) | LOAD RADIUS | LOADED | 30 ft JIB |
| 6 | 76.5 | 66,000 | | | | | | | | | | | (ft) | BOOM | (lb) |
| 8 | 72.3 68.2 | 48,050 | 77.6 | 33.000 | | | | | | | | | 35 | 78.6 | 3,850 |
| 12 | 64 | 36.300 | 75.6 | 30,050 | | | | | | | | | 40 | 77.1 | 3,700 |
| 15 | 57.4 | 30,700 | 71.7 | 26.200 | 77.5 | 22.800 | | | | | | | 45 | 75.4 | 3,550 |
| 20 | 45 | 18.700 | 65.5 | 20.750 | 73.3 | 19.200 | 77.7 | 16.800 | | | | | 50 | 73.8 | 3,400 |
| 25 | 29 | 11,200 | 58.7 | 12,900 | 68.7 | 13,500 | 74.4 | 14,100 | 78 | 12,400 | | | 55 | 72.1 | 2,800 |
| 30 | | | 52.1 | 8,700 | 63.9 | 9,250 | 70.6 | 9,700 | 75.1 | 10,050 | 77.9 | 8,000 | 60 | 70 | 2,100 |
| 35 | | | 44.2 | 6,000 | 59.4 | 6,500 | 67.2 | 6,950 | 72.2 | 7,300 | 75.9 | 7,500 | 65 | 67.8 | 1,500 |
| 40 | | | 35 | 4,200 | 54.2 | 4,700 | 63.4 | 5,150 | 69.1 | 5,350 | 73.5 | 5,600 | 70 | 65.5 | 1,000 |
| 45 | | | 22.8 | 2,800 | 48.8 | 3,400 | 59.5 | 3,750 | 66 | 3,950 | 70.7 | 4,200 | 75 | 63.2 | 550 |
| 50 | | | | | 42.8 | 2,350 | 55.5 | 2,700 | 62.8 | 2,850 | 68 | 3,100 | | | |
| 55 | | | | | 36.1 | 1,550 | 51.3 | 1,850 | 59.6 | 2,000 | 65.3 | 2,200 | | | |
| 60 | | | | | 28 | 850 | 46.8 | 1,200 | 56.3 | 1,350 | 62.6 | 1,450 | | | |
| 65 | | | | | | | 42 | 650 | 52.9 | 750 | 59.8 | 900 | | | |
| 70 | | | | | | | | | | | 57 | 500 | | | |
| | 0 | 7,800 | 0 | 2,000 | | | | | | | | | | | |



*SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

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accessories

· SOM

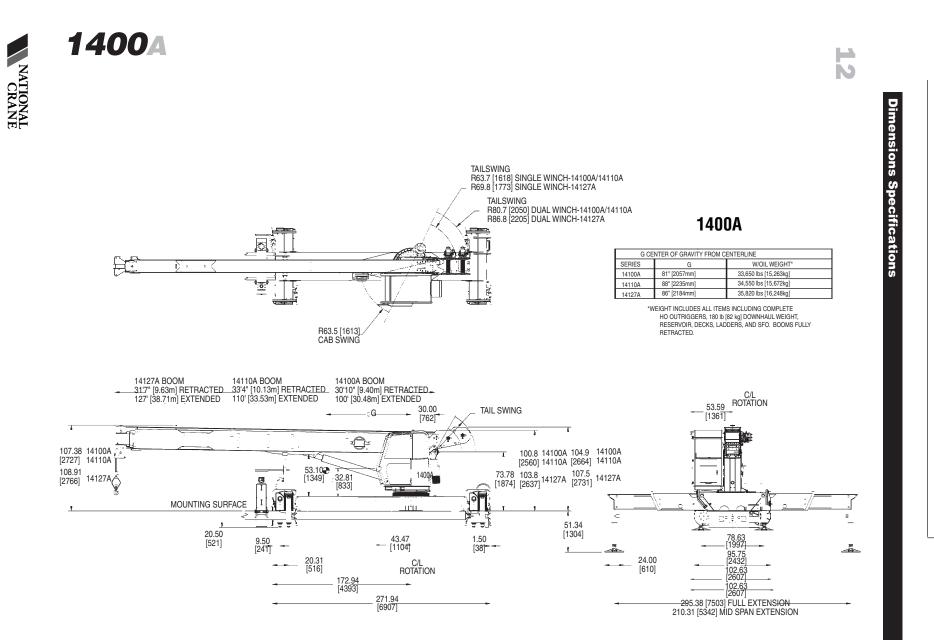
| Radio Remote Controls – Eliminate the handling and maintenance concerns that accompany cabled remotes. Operate to a range of about 250 feet (76 m), varying with conditions. | · NB4R |
|---|--|
| One-Person Basket – Strong but lightweight steel basket with 300-lb. (139-kg) capacity, gravity hung with swing lock and full body harness. | • B1-S • 2B1-S (for dual locking baskets) |
| Heavy-duty Personnel Basket – 1,200-Ib. (544-kg) capacity steel basket with safety loops for four passengers. Gravity leveling 72- x 42-inch (183- x 107-cm) platform. Fast attachment and secure locking systems. Load chart must show 2,300 lb. (1043 kg) minimum to operate this accessory. | • BSA-1 • BSA-R1 (provides rotation) |
| Air Conditioning – Back of cab mounted – self contained modular unit with in-cab cool air outlets. Requires 130+ amp. chassis alternator. | ·AC |
| Last Layer Indicator Option on winch with indicator in cab. | · LLI |
| Winchdown Rotation Indicator – Has "thumper" in the cab winch lever to indicate to the operator that the winch is in motion. | ·WDRI |
| Outrigger Controls at operator's seat in addition to ground controls. | ·ICORC |
| Outrigger Motion Alarms – Available for "A" frame O/R and ASH stabilizers. | · OMA-1 |
| Hour Meter – Hour meter in truck cab to record crane operation hours. | ·HRM |
| Open Seat Controls | · SSC |
| Auxiliary Winch – 9,000 lbs. line pull with 375' of 5/8" diameter rotation-resistant wire rope. | |
| Steel Tool Box | |
| Spanish-Language Danger Decals, Control Knobs, | ·SDD |

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14004



Spanish-Language Danger Decals, Control Knobs, and Operators' Manuals



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notes









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1400A





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Germany Wilhelmshaven

Portugal Fânzeres

China Zhangjiagang



Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.

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