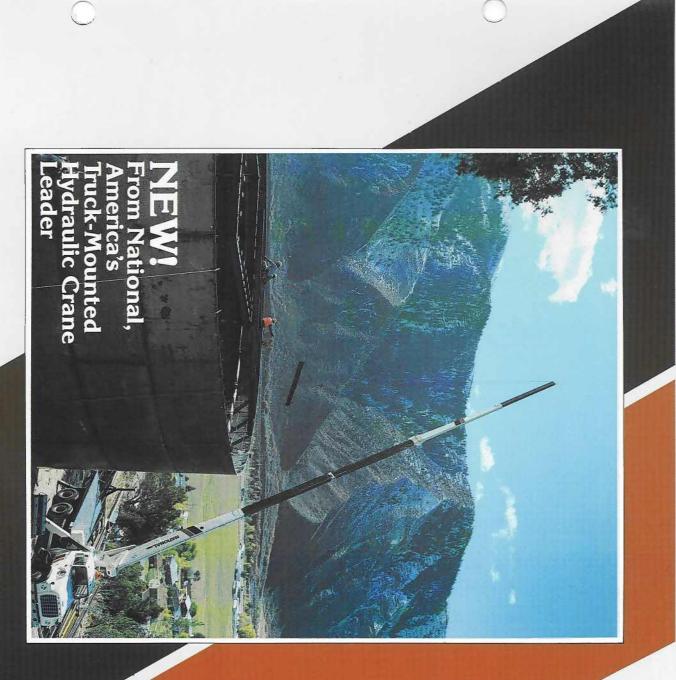
National Series 800B Proposal

						Your National Dealer	without notice.	National reserves the right to change designs, prices, and			Signed:	(Phone)	(-,7)	(7in)	(City & State)	(Address)		(Firm Name)		Submitted by:			200	Date:	
(Firm Name)	Accepted by:(Name)	This quotation will remain firm for days	21 Freight	20. Rear Bumper Underride Protection Ordered No Ordered	19. Chassis	18. Mount Stabilizers	17 1,100-lb. front bumper (if required)	16. Boom rest: ☐ Parallel ☐ Low ☐ Other	15. Weight in bedlbs. (if required)	14. Platform Bodytt. ☐ Wood ☐ Steel	13. Frame Reinforcement: Weld Bolt-Extra	☐ HO Outriggers	☐ Reverse Frame Conversion Kit	☐ High-Tensile Torsion Box	☐ Rear Mounting Hydraulic Group	11. Installation: Behind Cab ☐ Std. ☐ Special 12. Installation: Rear Mounting (add to installation charge above) ☐ Air Throttle	No.	SO C	000	6. Line Block	5. Front Stabilizers Std. Tilt Single Front	4. Rear Stabilizers ☐ ASH ☐ HO	3. Jib	2. Boom	Description 1 Series
(Date)	TOTAL PRICE																								Price

SERVINS 800E

Truck-mounted Telescoping Cranes and Accessories

Maximum Vertical Reach: 140 Feet (42.7 Meters)
Maximum Capacity: 35,000 Pounds (15.9 Metric Tons)



NATIONAL CRANE General Offices: 11200 North 148th Street/Waverly, NE 68462/402/786-2240
Subsidiary of Kidde, Inc.
Telex: 438061
Service Center: 701 N.W. 27th Street/Lincoln, NE 68528/402/474-2666

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NATIONAL SERIES 800B

operation designed for ease of dependable. And they are provide cranes for a wide and articulating cranes. We truck-mounted telescoping manufacturer of commercial tough, durable, and range of jobs. Nationals are National is America's leading

provide years of service. provide our customers with quality is our pledge to we put quality first. Our tested machine designed for your applications. At National, well-manufactured, and fullyassured of a well-engineered, commitment to product reliable products designed to With a National, you are

Series 800B features: mounted unit. Consider these in a heavy-duty truckeverthing you want and need telescoping crane gives you Our all-new Series 800B

- 35,000-pound capacity
- National's field-proven The longest vertical reach in its class—up to 140 feet
- Higher capacities in normal operating areas

mood

hydraulic four-section

- acclaimed box-section National's industryboom construction
- Large bolt-in wear pads in boom that last longer and are easier to replace
- Standard high-performance Dual controls in SAE inch diameter rotation planetary winch with 9/16resistant wire cable
- Control rods supported by smooth operation and each with foot throttle nylon bearings, promoting recommended orientation;
- Planetary rotation gear box serviceability feature that helps protect the rotation system against with a hydraulic release damage from accidental brake and a slip-through

- Standard anti two block or extending the boom winch cable without paying out the damage when winching up feature to prevent cable
- Wide 18-foot outrigger span for stability
- Mounts on most standard, trucks with the versatility of configurations four mounting heavy-duty commercial
- Simple mounting; subbase available to eliminate truck Boom pivot and hoist reinforcing and in some cylinder bearings provide cases counterweight
- control station Tall back rest at operator maintenance longer life and lower
- system isolates winch from Standard tandem pump operation capability provide independent other crane functions to
- Horn and stop switches at
- Complete accessory line control stations
- adds to versatility

 Boom access holes allow cylinder holding valve and easy access to telescoping
- plumbing for serviceability Precision machine level at both operating stations
- 60-gallon oil tank with sight magnetic plug strainer, clean-out, and gauge, breather, suction

system. anti two block protection this brochure taken prior June 1, 1986). Photos in National cranes (as of system is standard on all National's anti two block to that date may not

show the crane equipped with the current standard

telescoping crane from National A NEW, high capacity, hydraulic



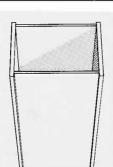
Series 800B **National**

Strong Four-Plate Booms

extra strong seams. Corner in National booms. It is welded with automatic, low-hydrogen techniques for corners. This box-section strength steel members weight from the Series 800B design, National has removed strong, low alloy steel is used our telescoping boom seams are ultrasonically increased capacity through thinner side plates means construction lets us use welded with perpendicular sections from four highboom sections. We fabricate Through computer aided ower boom weight. Only or extra strength. The use of hicker top and bottom plates

tested for proper penetration. Series 875B booms are

is unexcelled by competitive used in the Series 800B pads providing a smooth, long-life operation. The wear impregnated with lubricants large nylon wear pads equipped on all sides with esistance of the material



Valves **Direct Mounted Holding**

when the winch cable and

attachments contact the

sheave case, whether by

winch cable. When this

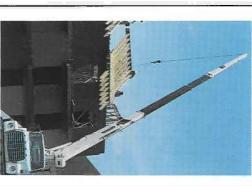
standard anti two block

Anti Two Block

added safety in the event of directly to the cylinders for holding valves are mounted hose failure. On the Series 800B all

sections interlock for National introduced Sequential Extension patented locks are

performance for you attention to quality pays off in excessive noise or wasted provide reliability with no These field-proven locks greater strength. National's sections extend first for larger stronger boom sequential extension. The to the industry. Our boom sequential, full-load extension mechanical, not hydraulic nydraulic power They are now National know-how and ust one more example of



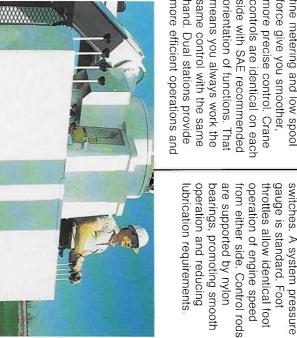
Caution

of live power lines. any accessories, or capacities at any booms, jib extensions, Do not operate crane Do not exceed jib loads within 10 feet (3m) reduced boom lengths.

system. Two blocking occurs winching up or extending the boom without paying out the underside of the boom or jib The 800B is equipped with a that can cause two blocking to the sheave case and shutting down the functions end attachments with respect cable damage by sensing the position of the winch cable over-tensioning. The anti-two damaged by crimping or block attachment prevents happens, the cable can be



means you always work the orientation of functions. That side with SAE recommended controls are identical on each the Series 800B. The extra **Dual Controls** same control with the same more precise control. Crane fine metering and low spool Dual controls are standard on nand. Dual stations provide orce give you smoother,



Planetary Winch High Performance

up to 60% over normal. circuitry increases line speed cable is standard. The "Burst-of-Speed" winch and pick-up of unloaded faster more efficient pay-out planetary gear drive winch. A with a high performance Every 800B comes standard 'Burst-of-Speed" feature for

of the loadline. See the winch turther information. data chart on page nine tor prevent spinning and twisting resistant wire cable to help provided with 9/16" rotation standard. The winch is counter-balance valve are control, both brake and fast, standard speed. For fine features high line pull and This high capacity winch

Outrigger Movement

Out-and-Do

wn" Stable Outriggers

CRANE

National's

Arch Outward and Down



Outriggers equally spaced
 Consistent outrigger span.

Extended

Extended

Fully

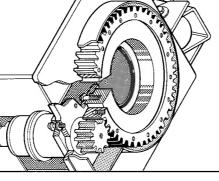
 Crane will be equally stable on both sides No skidding the foot into position

Rotation Positive Planetary Turret

greater load visibility Each station is equipped with kill

and audible warning

structure and gearbox. The turret drive is designed with bearing race. Rotation is smoothly on a low inertia ball loads. The entire turret glides smooth rotation and low consistent tooth alignment for welding. This ensures precision machined after mounting surfaces are and rotation bearing the drive pinion. The gearbox extra heavy bearings below upper and lower crane reducing shock loads on the load is applied to the boom, whenever excessive side gearbox to backdrive release brake allows the wear, even under maximum gearbox with a hydraulic The planetary rotation



SERIES 800B

"A" Frame Stabilizers

greater stability and lower with a wide, ten-foot span counterweight requirements



Wide Stance

then in. Their efficient design under load, first moving up, smoothly, without binding set-up procedure. leveling the unit during the indicator aids the operator A precision-mounted level payloads more economically. weight, you can carry larger stability. With less truck (5.49m)—gives you solid and wide span—18-foot The outriggers retract leveling on uneven ground outriggers for a consistent National out-and-down We've given our Series wide stance and better he industry-acclaimed 800B ∃.

375° noncontinuous.



The Series 800B is equippe with "A" frame rear stabilize ਨ੍ਹ ers ed

- easy maintenance of
- for easy access and
- service 37° flare fittings used
- throughout to reduce the possibility of fluid leakage. Extra-capacity (60 gallons) magnetic plug for easy suction strainer and maintenance, long life standard clean-out oil reservoir to reduce heat buildup. Complete with



Downtime Easy Service, Low

these features: We designed the Series 800B minimum downtime. Compare for easy service and

a one-piece, ten-inch deep

Our unitized mount includes Unitized Mounting

- Boom access ports for Console cover for easy access to control valve
- photo below)
 Rotation drive and brake cylinders and locks (note
- located outside of frame
- Lower Truck

solid integrated unit. bolt together to form one mount ship separately, then steel. The crane and unitized of 100,000 PSI minimum yield inch³ section modulus frames stability. Reinforcing is not required on trucks with 15.9 increases stiffness and counterweighting and crane and bed. It reduces the trame and supports the subbase that extends along

Requirements
We have engineered the standards with ease. It all with lower axle ratings and still meet DOT and stability 800B can mount on trucks rear stabilizers and unitized outrigger span, "A" frame truck requirements. Our wide Series 800B to lower your and longer truck life for you. maintenance, lower costs adds up to lower truck. That means that the mount take the stress, not the



