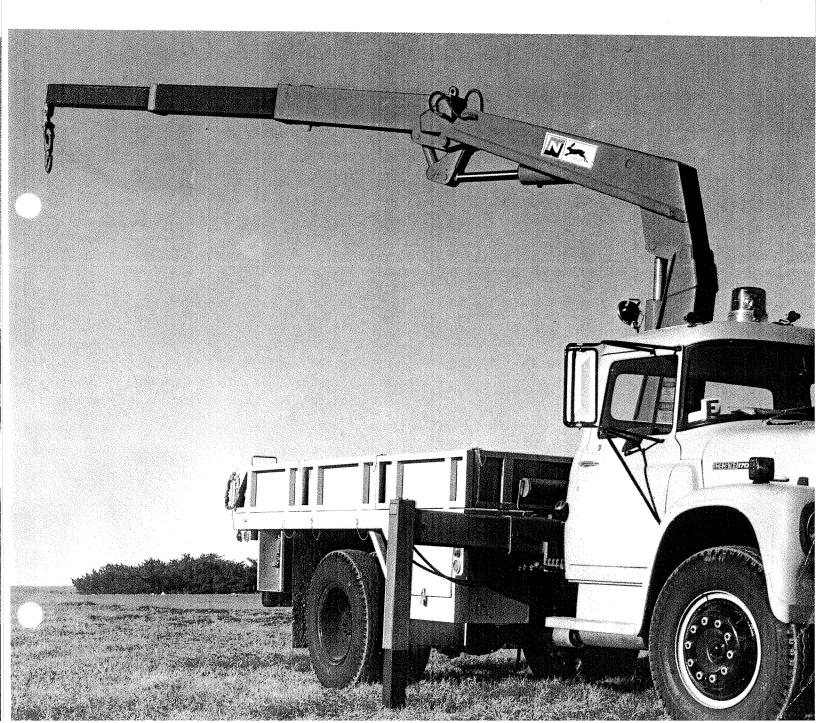
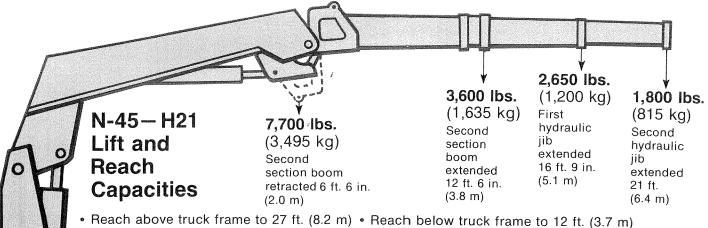


NATIONAL CRANE N-45-H21 The articular

The articulating boom crane with two hydraulic telescoping jibs that reach out to 21 feet.





line failure.

Safety Features

THE BASIC UNIT

- Hydraulic reservoir
- Two hydraulic outriggers with manual extensions to 12 ft. (3.7 m)
- 390° rotation
- Five spool control valves
- Safety relief valve on rotation, inner and outer boom, plus lock-out valves on outriggers.
- Dual controls
- Crane hook
- Hydraulic pump and mounting group

Working Attachments and **Optional Accessories**

- Winch
- Remote control
- Auger
- Personnel basket
- Grapples
- Clam bucket
- Pallet fork

WARRANTY

The N-45 Rapid Rascal is built to the rigid, quality standards of National Crane, and is warranted for six months as to parts and workmanship. Complete warranty details are available upon request.

The manufacturer reserves the right to alter or amend without notice any of the specifications. dimensions, and particulars contained in this publication.

Technical Data

Special relief valves help prevent overload.

All hydraulic cylinders are double-acting.

Dual hydraulic controls allow operation from either side of truck.

assisting in preventing shock loading or unexpected load drop.

Flow restrictors prevent load from being lowered too fast,

Velocity fuses prevent uncontrolled drop due to

Capacities	American Standard	Metric System
	6' 6"7,700 lbs.	2.0 m3,495 kg
	12' 6"3,600 lbs.	3.8 m 1,635 kg
	16′ 9″2,650 lbs.	5.1 m1,200 kg
	21'1,800 lbs.	6.4 m 815 kg
Working Pressure	2,500 PSI	170 bar
Pump Capacity (gear-type pump	9 gallons/min.)	34 liters/min.
Oil Capacity	17 gallons	64 liters
Outrigger Span	12 feet	3.7 m
Stowed Height (above truck frar	79 inches ne)	2.0 m
Mounting Space (behind cab)	22 inches	55.9 cm
Weight	3,080 lbs.	1,400 kg
Rotation	390 degrees	390 degrees
Filter 10 micron re	placeable (spin-on type)	filter
MINIMUM TRUCK	RECOMMENDATIONS	
GVWR*	21,500 lbs.	9,750 kg
Dimensions		
CA Cab-to-Axle	84''	214 cm
CA Cab-to-Axle WB Wheel Base	84′′ 148′′	214 cm 376 cm
WB Wheel Base		
WB Wheel Base Chassis Weight (including bed) Main Frame Chan	148" 6,500 lbs.	376 cm
WB Wheel Base Chassis Weight (including bed) Main Frame Chan RBM**	148" 6,500 lbs. nel 680,000 inlbs.	376 cm 2,950 kg 76,825 joules
WB Wheel Base Chassis Weight (including bed) Main Frame Chann RBM** Section Modulus	148" 6,500 lbs.	376 cm 2,950 kg
WB Wheel Base Chassis Weight (including bed) Main Frame Chann RBM** Section Modulus Axle Rating	6,500 lbs. 148" 6,500 lbs. 18 680,000 inlbs. 12 in.3	376 cm 2,950 kg 76,825 joules 196 cm ³
WB Wheel Base Chassis Weight (including bed) Main Frame Chant RBM** Section Modulus Axle Rating Front GAWR†	6,500 lbs. 6,500 lbs. 680,000 inlbs. 12 in.3 7,000 lbs.	376 cm 2,950 kg 76,825 joules 196 cm ³ 3,175 kg
WB Wheel Base Chassis Weight (including bed) Main Frame Chann RBM** Section Modulus Axle Rating Front GAWR† Rear GAWR†	6,500 lbs. 6,500 lbs. 680,000 inlbs. 12 in.3 7,000 lbs. 15,000 lbs.	376 cm 2,950 kg 76,825 joules 196 cm ³
WB Wheel Base Chassis Weight (including bed) Main Frame Chann RBM** Section Modulus Axle Rating Front GAWR† Rear GAWR† Heavy-Duty Spring	6,500 lbs. 6,500 lbs. 680,000 inlbs. 12 in.3 7,000 lbs. 15,000 lbs.	376 cm 2,950 kg 76,825 joules 196 cm ³ 3,175 kg 6,805 kg

WARNING: If misused or operated beyond capacities, resulting accidents with this machine can cause death or injury to operator and property.

SOLD BY:



National Crane Corporation

National Industrial Park Waverly, Nebraska 68462 402-786-2240

an subsidiary

National Crane's The hydraulic articulating boom crane that makes loading, hauling and unloading a quick, easy, one-man job.

NATIONAL'S

THE BASIC UNIT

- Hydraulic reservoir
- Two hydraulic outriggers with manual extensions to 12 ft. (3.6 m)
- Hydraulic jib, maximum length 16 ft. 6 in. (5.0 m)
- 390° rotation
- Five spool control valves
- Safety relief valve on rotation, inner and outer boom, plus lock-out valves on outriggers.
- Dual controls
- Crane hook
- Hydraulic pump and mounting group

Working Attachments and **Optional Accessories**

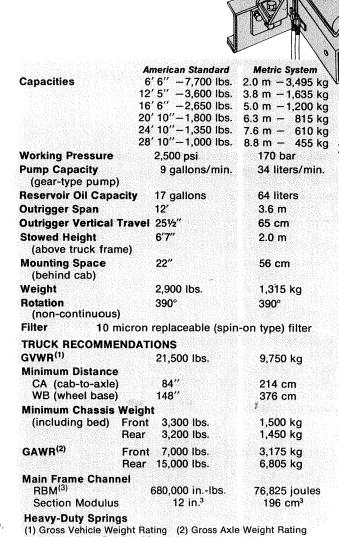
- Winch
- Pallet Forks
- Auger
- Remote Controls
- Grapples
- Seated Controls
- Clam Bucket
- Personnel Basket

WARRANTY

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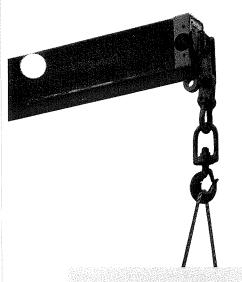
National Crane Corporation

Waverly, Nebraska 68462 402-786-2240

an COACHE Subsidiary

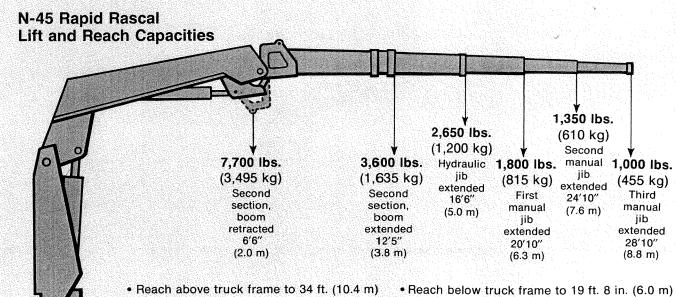
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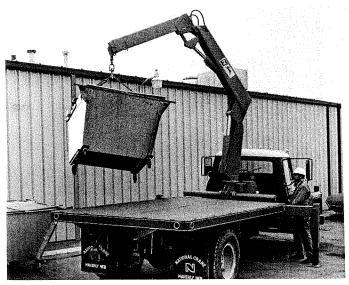
(3) Resistance to Bending Moment



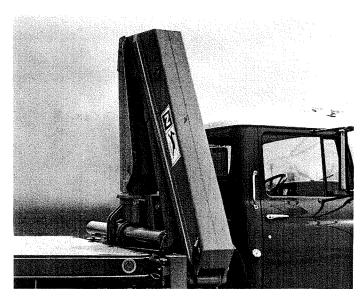
Safety Features

- / # Special relief valves help prevent overload.
 - Dual hydraulic controls allow operation from either side of truck.
 - All hydraulic cylinders are double-acting.
 - Flow restrictors prevent load from being lowered too fast, assisting in preventing shock loading or unexpected load drop.
 - Velocity fuses prevent uncontrolled drop due to line failure. Pilot operated holding valves are optional.

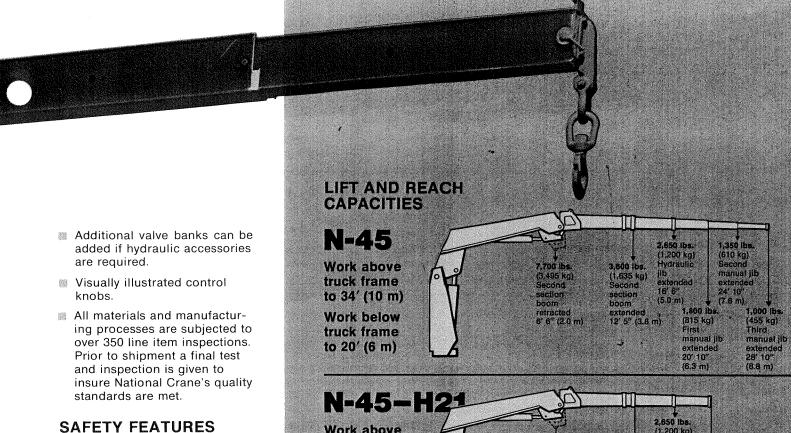




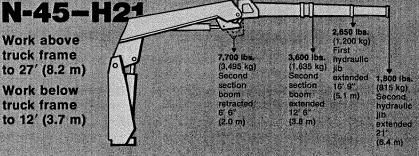
The Rapid Rascal has 390° rotation. It works loads on all sides of truck...front, rear, left and right. Heavy-duty, hydraulically-operated rack and pinion provides positive, no-drift boom rotation.

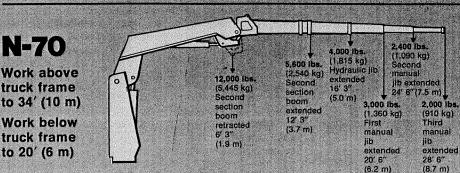


The N-45 tucks away between cab and bed in only 22 in. (56 cm), maximizing load hauling.



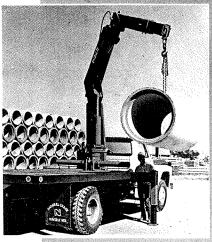
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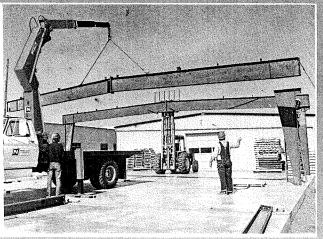




390° non-continuous rotation. Heavyduty hydraulically-operated rack and pinion provides no drift boom rotation.



Operator can pinpoint load placement with finemetering type controls.



(8.7 m)

Does big jobs, or small, and moves at highway speeds from job site to job site.

