

NTA

030SB/035SB



Truck shown with optional equipment

Very Narrow Aisle Trucks 3,000 - 3,500 lbs.



NTA-SB Series



As a leader in materials handling, Yale offers so much more than the most complete line of lift trucks. Yale has invested heavily in people, processes and capital equipment to encompass the cornerstones of quality and dependability... **Innovative Design, Comprehensive Testing, Highest Quality, Advanced Components and Superior Manufacturing.**

When it comes to Very Narrow Aisle trucks, you'll find Yale leads the way. Both the NTA-030SB and NTA-035SB offer advanced technology, superior ergonomic design and application flexibility. Ideal for pallet handling and case picking, the NTA series is the new standard in high density warehousing, offering top performance, reliability and economic value.

All trucks shown with optional equipment



**Yale NTA-030SB/NTA-035SB.
A true solution.**

NTA-SB Dependability

Yale NTA-030SB and NTA-035SB trucks are designed and manufactured to be among the most dependable trucks in the industry today.

Reliable electronics are a hallmark of all Yale trucks. The electrical system on NTA trucks features transistorized MOSFET controllers and AC motors for superior dependability. AC motor technology provides high starting torque, responsive directional changes and smooth, rapid acceleration. Employing digital technology, the **CANbus** controller enables the truck's systems to simultaneously communicate with each other from one central location, providing function-monitoring and diagnostic capabilities. In addition, the CANbus controller reduces wiring by 40% and electrical connections by 25%, resulting in improved reliability and improved visibility through the mast.

The innovative **thermal management system** continually monitors component temperature and adjusts truck performance. The system allows Yale NTA-030SB and NTA-035SB trucks to run significantly cooler and longer.

NTA trucks feature independent, dedicated AC traction and hoist control systems. **O-ring face seals are featured** on all high pressure hydraulic connections. A superior pressure side filtration system increases the life span of all hydraulic components.



Superior design



Rugged, dependable mast

The Yale NTA-030SB and NTA-035SB Series offers the most reliable parts program available in the industry. Yale dealers provide off-the-shelf availability of maintenance and repair parts routinely serviced in the first two years of truck operation.

Yale parts

Ultimate productivity



Available in 48 or 72 volts, **NTA-030SB** and **NTA-035SB** trucks are designed to meet and exceed your specific application requirements. **AC power** provides fast travel speeds, powerful acceleration and more responsive directional changes, increasing the number of loads moved per shift.

From the **AC hoist system with power lowering** to unrivaled **mast stability**, NTA-030SB and NTA-035SB trucks deliver state-of-the-art technology that adds up to reliable productivity.

What's more, NTA trucks are designed with **Smart-Glide™**, a continuous height sensing system that provides step-less speed control by optimizing the maximum travel speed at various fork heights. The resulting benefits are faster travel speeds, improved acceleration and increased productivity. Because every part is designed for strength, dependability and long wear, they're also on the job more—exactly where you want your trucks and operators to be.

All trucks shown with optional equipment



Seat-side joystick controls provide for simultaneous operation of truck functions. The operator can simultaneously control:

- Travel (forward/reverse)
- Cabin (lift/lower)
- Fork (lift/lower)
- Auxiliary functions

Additionally, a single push button improves productivity through synchronized fork control, including rotation, centering in the forward travel mode, and traversing. Productivity is further enhanced through Yale's standard multi-turn steering with spinner knob and the optional Smart Steer self-centering system.

AC technology provides enhanced performance throughout the usable battery discharge cycle. This increases productivity as compared to a conventional DC system, which experiences decreasing performance as the battery discharges.

In addition, AC motor technology, in combination with the heavy-duty drive unit, provides **fast travel speeds** (both with and without a load), fast lift/lower speeds and powerful acceleration.

From full pallet handling at any position to transporting and staging, Yale engineers designed NTA trucks to meet key performance requirements for warehousing applications. NTA trucks allow operators to pick at any height, including directly off the floor. The **turret head** rotates 180 degrees, helping to maximize storage density and allowing the operator to easily service both sides of the aisle. An **electronically programmable pantograph** offers variable stroke length, eliminating time-consuming "double-biting" at pick up and deposit stations.

Yale **tri and quad form masts** feature exceptional torsional rigidity. These stiff, heavy-duty masts minimize twisting and deflection, and provide **stability/operator comfort up to 55 feet**.

Five chassis lengths and **five battery compartments** match power to application demands. The battery compartment features drop-in battery rollers and a box welded support structure for increased rigidity.

Optional **rail guidance** and **wire guidance** are available to meet the needs of your operation. **Rail guidance** features proximity sensing that automatically turns off steering while the truck is in the aisle. Yale's **wire guidance** system can adapt to multiple frequencies and relies on a wire on the floor to automatically steer NTA trucks along a desired path.



Adjustable, seat-side controls



AC motor technology



Electronically programmable pantograph

ultimate
performance

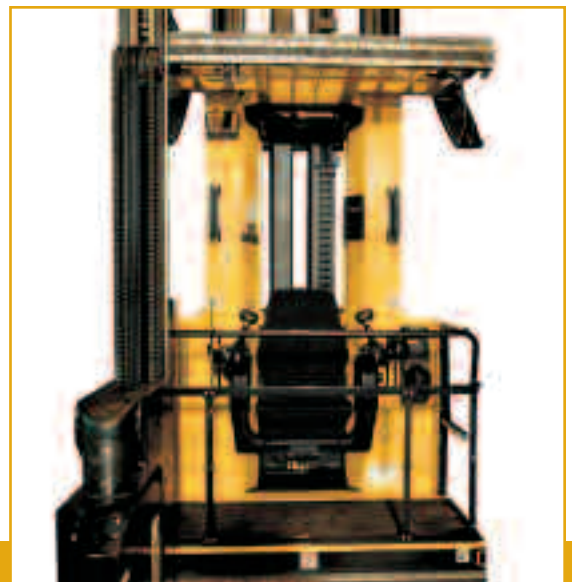
Intelligent ergonomics



All trucks shown with optional equipment

Operators prefer our trucks. Applying best-in-class ergonomics, the Yale NTA-030SB and NTA-035SB help you get the job done by reducing operator fatigue and improving productivity. Innovative designs like our "pedal-less" floor, overhead fine particle collector, easy entry and exit and ergonomically designed controls (standard seat-side, optional front console and front barrier) make this truck an operator favorite.

Whether seated, standing, order picking or full pallet handling, the NTA provides a secure, productive environment. Controls are positioned for low effort operation and the high backrest, recessed swivel seat "flips up" to allow stand up operation. A recessed area located on the seat backrest, provides comfort to operators wearing a body harness with D-ring, helping to minimize body contact with the D-ring.



The spacious operator's compartment features **adjustable controls** and **infinitely variable armrests**, independent of the seat position. Intuitive seat-side controls are positioned for low effort operation, whether the operator is sitting or standing.

The **high backrest, recessed swivel seat** flips up to allow stand up operation. Adjustable to three positions, the seat can be locked to prevent swivel.

The industry's first "**pedal-less floor**" eliminates trip points. The cushioned, non-slip mat is easily removed for cleaning.

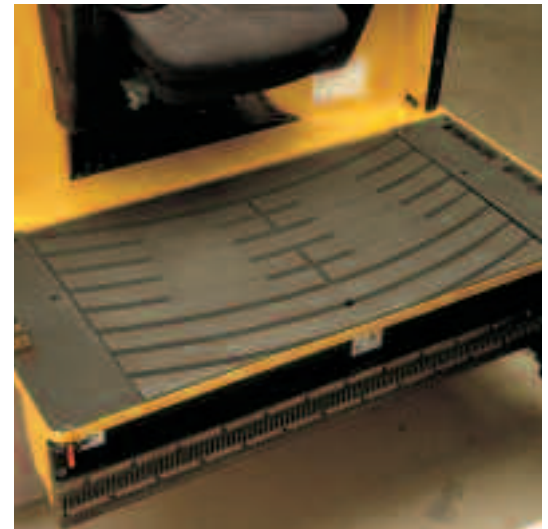
Easy entry and exit is ensured through **extended foot space** and **swing up side gates**.

The large, graphic **LCD dash display** provides continuous monitoring of battery status, hour meter, travel speed, mast height, fault codes and on-board diagnostics.

Standard lights, side work lights and fan combine with optional dual mirrors, drink holder and trash bin to provide for more comfortable operation, increased operator visibility and enhanced productivity.



Ergonomic hydraulic controls



Unobstructed floor



Easy to read display

Yale gold service



NTA-030SB and NTA-035SB trucks are the new standard in truck serviceability. Not only are these trucks designed to require less maintenance, they're also designed to be extremely easy to service.

From the rear-opening, one-piece reinforced hood with gas-assist lifting cylinders, to on-board diagnostics, to the reliable, most comprehensive parts availability in the industry, these trucks were designed with service in mind. Maximum access makes servicing fast, easy and convenient.



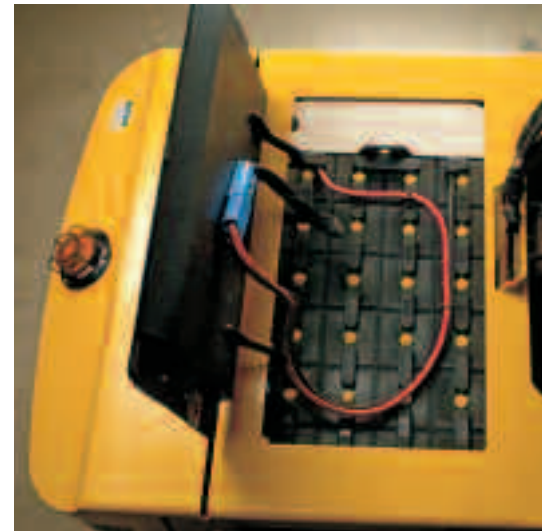
All trucks shown with optional equipment

Easy access to all motors and controllers is provided through a one-piece hood with gas-assist lifting cylinders, conveniently located in the rear of the truck. Constructed of reinforced steel, the hood can be opened while the truck is in the aisle. Top battery access lid provides fast in-truck battery maintenance.

AC motors and controllers offer reduced maintenance through the elimination of motor brushes and the commutator. More efficient than DC motors and controls, AC technology eliminates arching, sparking and brush dust.

Yale has **extended the regular service requirements** on NTA-030SB and NTA-035SB trucks to **1,000 hour basic maintenance intervals**. Pressure side filter indicators, electronic steering and reduced electrical connections and times less frequent than the competition.

The large, graphic **LCD dash display** provides continuous monitoring of battery status, hour meter, travel speed, mast height, optional weight sensing, optional shelf height select, fault codes and on-board diagnostics. Extensive on-board diagnostics on the advanced dash display communicates service codes, enabling quick and accurate repairs. In addition, the **Yale Electric Truck AC Control (ETACC)** PC-based diagnostics tool, enables Certified Yale service technicians fast and accurate troubleshooting, facilitating first-time fixes in both the control and operator's compartment.



Easy battery access



Uncluttered layout



On-board diagnostics

maximum
access

Low **cost of ownership**



All trucks shown with optional equipment

The purchase price of a truck is only a small part of its overall cost. A lift truck's cost of ownership is the largest portion of dollars spent and includes such elements as periodic maintenance, unscheduled repairs, uptime, load wheels and brakes costs. Yale engineers focused on cost savings with world-class serviceability and unparalleled dependability.

The superior design of the NTA-SB, quality of Yale's parts, the use of AC technology, CANbus system, and contact-less encoder translates to extended periodic maintenance intervals. With improved diagnostic tools on the NTA-SB, troubleshooting and repair time are now reduced.



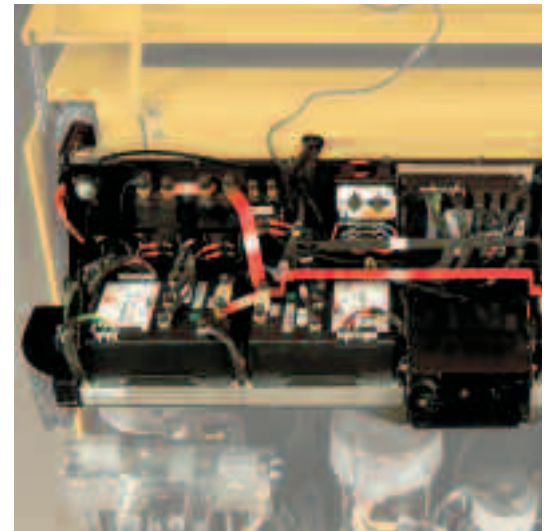
Superior battery retention

World-class dependability of the NTA-030SB and NTA-035SB series has decreased the **cost to operate** these trucks through superior steering, wiring and connections, electronic motors and sensors, periodic maintenance intervals, mast and load handler, and exceptional hydraulics.

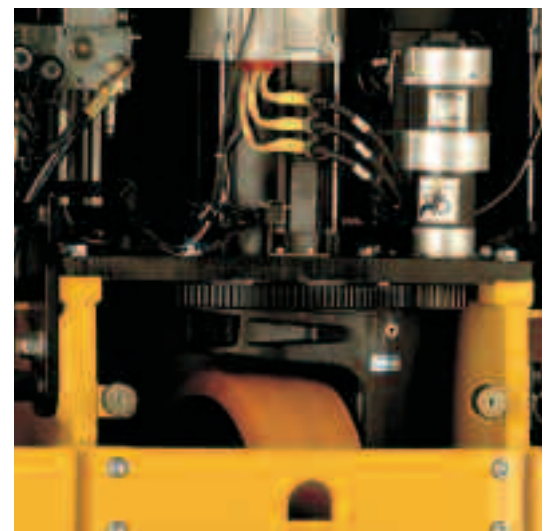
Fully electronic steering is designed to increase service life and reduce maintenance.

Brake life is significantly improved with the **Auto Deceleration System**. This system automatically slows/stops the truck at any height when the throttle pedal is released, minimizing brake usage requirements and reducing associated brake wear costs.

Yale has improved serviceability of the NTA series, reducing the labor cost involved with periodic maintenance and unscheduled repairs. **Service requirements** (1,000 hour basic maintenance intervals are 2 to 3 times less frequent than the competition), and **simplified daily checks** lead to lower maintenance costs.



Reliable electronics



Superior steering



Easy to service hydraulics

intelligent
investment

NTA-030SB/035SB **choices**

The NTA's compact design combines with high lift capacity and maximum storage density.



Model	NTA-030SB	NTA-035SB
Rated Capacity	3000 lb.	3500 lb.
Voltage	48	72
Maximum Fork Height	527"	668"
Minimum Clear Aisle (48" Long Load)	64"	64"

NTA-030SB and NTA-035SB **versatility**

The NTA-030SB and NTA-035SB Series is available in five chassis lengths and various configurations to meet and exceed your materials handling application requirements.

Operating Voltage	Masts	Operator Controls/Configurations	Wheel Bases
48 Volt	Tri-form, 2-stage	Seat Side Controls without Front Barrier	76"
			81"
72 Volt	Tri-form, 3-stage	Seat Side Controls with Front Barrier	86"
			94"
	Quad-form, 2-stage	Center Console Controls with Front Barrier	
			Quad-form, 3-stage

NTA-030SB/NTA-035SB highlights/options



Dependability highlights

	NTA-030SB	NTA-035SB
CANbus electrical system	Std	Std
Solid-state Hall Effect sensors no adjustments required	Std	Std
Sealed electrical connections	Std	Std
Precise wire harness routings	Std	Std
O-Ring face seal hydraulic connections	Std	Std
10-micron high performance in-tank hydraulic oil filter	Std	Std
Thermal Management System enhanced cooling	Std	Std
Heavy-duty drive unit	Std	Std
Pressure side hydraulic filtration	Std	Std
Clog filter indicators	Std	Std
Rigid cab design for load handler mount	Std	Std

Dependability options

	NTA-030SB	NTA-035SB
Spring applied braking system	Opt	Opt
Front load wheel protection	Opt	Opt

Productivity highlights

	NTA-030SB	NTA-035SB
Power lowering	Std	Std
Simultaneous operation of truck functions	Std	Std
Synchronized control of fork traverse, centering and rotation	Std	Std
AC motor and controllers	Std	Std
Smart-Glide™ continuous height sensing	Std	Std
Solid-state Hall Effect sensors	Std	Std
Tri-form and quad-form masts	Std	Std
Electrical steering	Std	Std
Speed to height to weight control	Std	Std
Programmable pantograph	Std	Std
Slack chain sensors	Std	Std
Rear strobe light and under the cab strobe light	Std	Std

Productivity options

	NTA-030SB	NTA-035SB
Rail guidance system	Opt	Opt
Wire guidance system	Opt	Opt
End of aisle slow down	Opt	Opt
End of aisle stop	Opt	Opt
End of aisle slow down and stop	Opt	Opt
Lift limit switch with override	Opt	Opt
Load weight sensing	Opt	Opt
Operator password entry	Opt	Opt
Shuttle table	Opt	Opt
Tilting forks	Opt	Opt
Auto shelf height select	Opt	Opt
Fork positioner	Opt	Opt

Note: Std = Standard, Opt = Optional, N/A = Not Available

NTA-030SB/NTA-035SB **highlights/options**



Ergonomic **highlights**

	NTA-030SB	NTA-035SB
Adjustable seat-side joystick controls, armrest and swivel seat	Std	Std
Soft touch electronic steering	Std	Std
Low step height 17.0 inches (406mm)	Std	Std
Extended foot space	Std	Std
Swing up side gates	Std	Std
Cushioned, non-slip rubber floor mat	Std	Std
Pedal-less floor	Std	Std
Excellent mast visibility	Std	Std
Excellent rearward visibility	Std	Std
Large graphic LCD dash display	Std	Std
Lateral grab handles	Std	Std
Multi-turn steering	Std	Std
Top/bottom mount load handler	Std	Std
Operator fan	Std	Std
2 working lights and operator's compartment light	Std	Std
Plexiglas overhead guard cover	Std	Std
Spring assist side gates with travel interlocks	Std	Std
2 tether hook points	Std	Std
Seatback with recess for safety belt D-ring	Std	Std

Ergonomic **options**

	NTA-030SB	NTA-035SB
Front barrier	Opt	Opt
Front console controls	Opt	Opt
Drink holder and trash bin	Opt	Opt
Dual mirrors	Opt	Opt
Clipboard bracket	Opt	Opt
Smart Steer self-centering system	Opt	Opt
Full body harness with retractable tether	Opt	Opt
Medium belt with retractable tether	Opt	Opt
Windscreen	Opt	Opt

Note: Std = Standard, Opt = Optional, N/A = Not Available

Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale Industrial Truck Dealer for further information. Specifications are subject to change without notice.

NTA-030SB/NTA-035SB **highlights/options**



Serviceability **highlights**

	NTA-030SB	NTA-035SB
Extended service intervals -1,000 hour basic maintenance	Std	Std
Service free AC motors	Std	Std
Electrical steering	Std	Std
Reduced electrical connections	Std	Std
Reduced wiring	Std	Std
One-piece steel motor compartment cover	Std	Std
Removable steer wheel access plate	Std	Std
Pull down hydraulic valve block	Std	Std
Access to electronics from inside cabin	Std	Std
On-board diagnostics with advanced dash display	Std	Std
Uncluttered layout with superb hydraulic and electrical routings	Std	Std
Superior pressure side filtration system with clog indicators	Std	Std
Sealed electrical connectors	Std	Std
O-Ring face seals on all high pressure hydraulic connections	Std	Std
Solid-state Hall Effect sensors	Std	Std
Battery roller	Std	Std
Bolt-on mast bearings	Std	Std
Access to all electronics via CANbus	Std	Std
Manual lowering valve in motor compartment	Std	Std
Electronic lower and traverse in motor compartment	Std	Std

Serviceability **options**

	NTA-030SB	NTA-035SB
Split roller in battery compartment	Opt	Opt
Battery compartment spacers	Opt	Opt

Cost of Ownership **highlights**

	NTA-030SB	NTA-035SB
Extended service intervals -1,000 hour basic maintenance	Std	Std
AC motor and controllers	Std	Std
Electrical steering	Std	Std
Isolated pump controllers	Std	Std
Solid-state Hall Effect sensors	Std	Std
On-board diagnostics	Std	Std
Clog filter indicators	Std	Std
O-ring face seals	Std	Std

Cost of Ownership **options**

	NTA-030SB	NTA-035SB
Extended warranty	Opt	Opt
Fleet Management	Opt	Opt

Note: Std = Standard, Opt = Optional, N/A = Not Available

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The Yale products included in this document may be covered by U.S. Patent 6,684,148 and other patents pending.

**Sales • Rentals • Financing • Fleet Management
Parts • Service • Operator Training**



Manufactured in our own ISO 9001 and 14001 Registered Facilities



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