

**Yale**   
LIFT TRUCK TECHNOLOGIES

# GP 40-70N

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Pneumatic tire  
internal combustion  
counterbalanced forklift

4,000-7,000 lbs.



# Set your own standard.

Labor shortages and cost pressures are testing the ability of operations to balance profitability with productivity. There's no room for complacency —shouldn't your equipment be matched to your needs?

GP40N

GP50N

GP60N

GP70N

Built on a scalable platform, the Yale® Series N allows you to build a truck specifically for your operators, your application and your business. Available in the 4,000–7,000 pound capacity range, the Series N can be easily configured to match your unique requirements—raising the bar for what you expect from a lift truck in a wide range of applications and environments.



## ERGONOMICS

An ergonomic compartment strategically engineered around comfort, convenience and commonality helps operators stay comfortable and productive all shift long.



## DEPENDABILITY

Designed with exceptional all-around visibility and industry-exclusive technology to help support peak performance, confidence and productivity.



## COST OF OPERATION

Proven reliability, durable components and extended service intervals help minimize downtime and reduce maintenance costs.



GLP50N - LPG  
Shown with overhead guard

GLP50N - LPG  
Shown with cab option

GDP50N - DIESEL  
Shown with overhead guard

GDP50N - DIESEL  
Shown with cab option

## DID YOU KNOW?



Meeting customer demand for lower costs, faster response times and service expectations are the major challenges for the supply chain industry.<sup>1</sup>



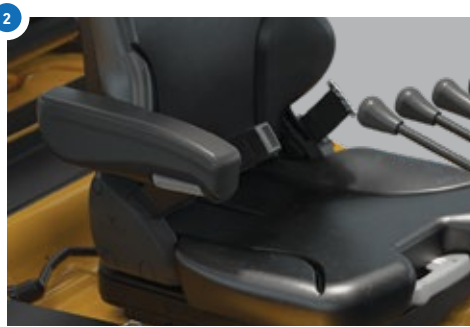
# Designed for your operators.

Don't let the physical demands facing lift truck operators undermine labor productivity or retention. The Series N prioritizes ergonomics and convenience, designed to make it easier for operators to get in and out of the truck, stay comfortable and sustain less stress while seated and operating the truck.



## 1 LARGE STEP AND GRAB HANDLE

A large, durable grab handle and as much as 65% more foot space on the step than the leading competitor<sup>2</sup> helps reduce strain and twisting when getting in or out of the operator compartment.



## 2 FLIP UP ARMREST +

Offers completely unobstructed access when getting in and out of the truck, while providing a comfortable rest not available on competitive models for operators using manual hydraulic levers.



## 3 CONTOURED HOOD

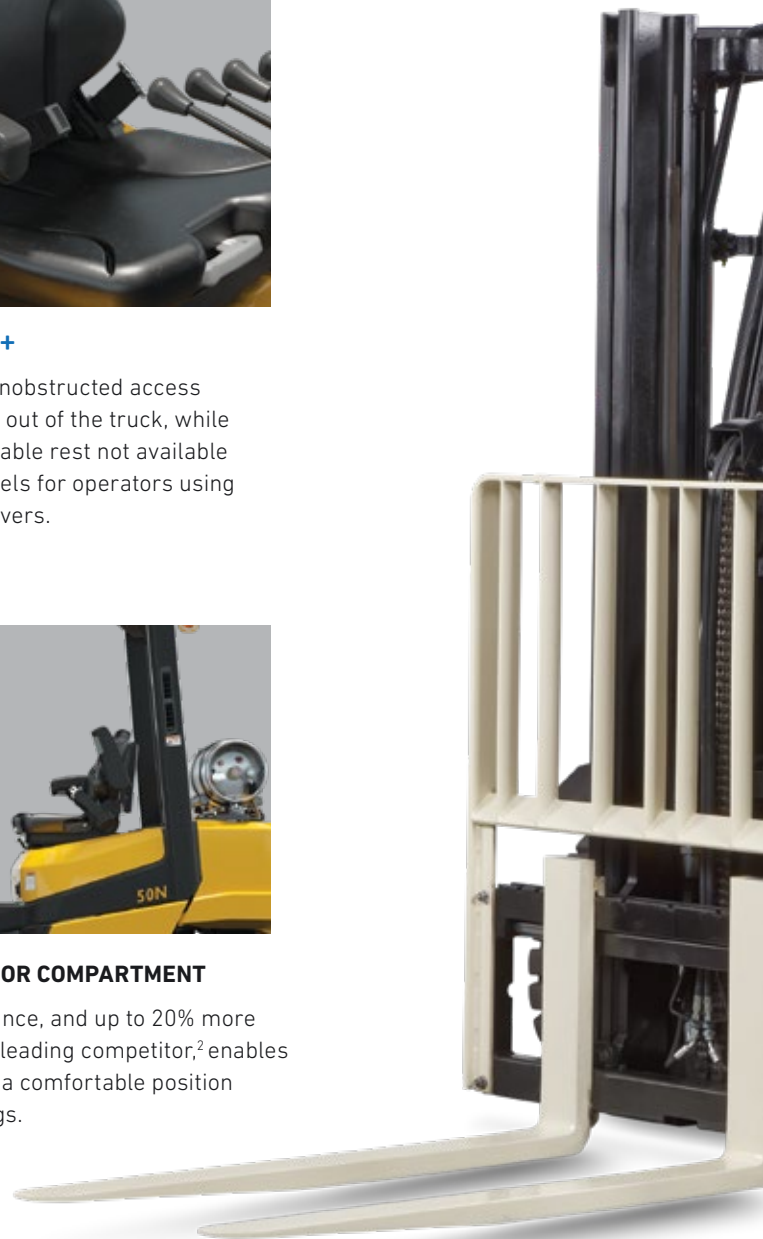
Provides space for the operator to swing their leg naturally when getting in and offers additional room to reach the step when getting out.



## 4 SPACIOUS OPERATOR COMPARTMENT

Greater head clearance, and up to 20% more foot space than the leading competitor,<sup>2</sup> enables the operator to find a comfortable position and stretch their legs.

+ = *Optional equipment*





### SEAT ADJUSTABILITY

Up to 25% more fore and aft seat adjustability than the leading competitor<sup>2</sup> allows the operator to customize their seated position to find postural relief and fight fatigue all shift.



### CONVENIENT DISPLAY

Available with a full-color touch-screen display offers quick, easy access to vital truck information, such as time, truck speed, operator alerts and fuel level. The display also allows control of work lights and adjustment of the inch brakes.



### FOOT ACTIVATED, HAND-RELEASED PARKING BRAKE\*

Designed to tuck out of the way when applied, enabling unobstructed entry and exit. Requires less effort than a hand-applied brake and minimizes operator lean and strain on the back.

*\*Available on models equipped with Advanced Electrical System with Touchscreen Display*

# Designed for your application.

More inventory and tighter spaces mean greater challenges moving goods, but operations can't allow productivity to slide. The Series N combines enhanced all-around visibility with innovative technology to help support operator awareness, confidence and efficiency.



## **MAST OPENING**

A larger mast opening than the leading competitor,<sup>1</sup> offers a wide viewing window. This provides greater visibility through the mast, enhanced visibility of forks and load when picking at height, and improved visibility when traveling forward.



## **CLEAR GLASS ROOF +**

A laminated glass top canopy option provides an unobstructed upward view to support precision and productivity while picking and placing loads at height.



## **FORK LASER LEVEL LINE +**

Allows the operator to quickly and easily see where the fork tips will enter pallet load helping to reduce product and facility damage.

+ = *Optional equipment*



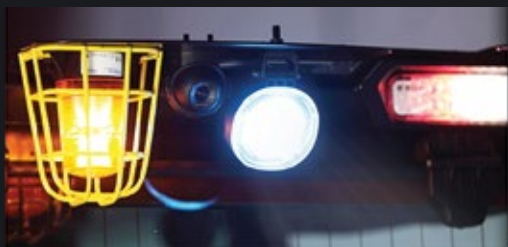


#### DID YOU KNOW? →

In best-in-class operations, more than 98% of orders are shipped damage free and delivered on time.<sup>3</sup>

## Operator Assistance Systems (OAS)

A suite of features designed to support the behavior and awareness of both operators and pedestrians to promote safe practices and help prevent facility and product damage.<sup>2</sup>



+ = Optional equipment

#### REAR-FACING CAMERA & REAR-VIEW DISPLAY +

Reverse driving camera and corresponding LCD display helps assist operators in monitoring rear of the truck for efficiency in maneuvering or changing directions.

#### SPOTLIGHTS AND PEDESTRIAN AWARENESS LIGHTS +

A highly configurable suite of light options, mounting positions, colors, and control methods deliver a best-fit solution to help support visibility and awareness in low light or congested areas.

#### SHELF HEIGHT SELECTOR +

Allows the operator to select a pre-set lift height. With one touch of the hydraulic controls, the truck automatically stops lifting at the pre-set height; ideal for applications with high lift heights and frequent loading into racks.

# Designed for your challenges.

Maintaining a strict focus on lift truck best practices can be a challenge, but with so much riding on lift truck operator performance, building and supporting safe, effective habits through proper, comprehensive training is critical. The Series N goes a step further, with smart features and technology that offers alerts and automated assistance to operators in real time.



## SMART. SIMPLE. MAINTENANCE-FREE TECHNOLOGY.

Dynamic Stability System (DSS) is a maintenance-free system that sends audible and visual alerts to the operator to help promote safe operating practices. Standard on all Series N trucks, this innovative technology—made up of four sub-systems—limits truck performance in certain conditions to help minimize forward and sideways tip-overs.<sup>4</sup>

LIFT HEIGHT  
SENSOR

TILT ANGLE  
SENSOR

### HOW DSS FUNCTIONS:

The Vehicle System Manager (VSM) or “brain” of the system continuously receives inputs from five maintenance-free sensors: lift height, hydraulic load, mast tilt, truck speed and steer angle.

Truck functionality is controlled when the operator pushes the truck beyond established stability threshold limits. When equipped with Yale Vision telemetry monitoring, data can be recorded each time a function activates.





VEHICLE SYSTEM  
MANAGER (VSM)\*

HYDRAULIC LOAD  
SENSOR

Yale

Yale

SPEED  
SENSOR

STEER ANGLE  
SENSOR

### DSS SUB-SYSTEMS:

#### LATERAL STABILITY SYSTEM

Reduces truck leans in turns, helping to improve lateral stability. The innovative steer axle design allows for superior travel over uneven surfaces.

#### HIGH-LIFT TILT CONTROL

Limits tilt speed and forward tilt range when the carriage is raised above the height threshold while carrying a load.<sup>5</sup>

#### HIGH-LIFT TRACTION CONTROL

Limits truck speed when the carriage is raised above the height threshold.

#### CORNER CONTROL

Produces a smooth deceleration by dynamically limiting truck speed around corners based on how tightly the truck is turning.

\* For illustration purposes only; sensor placement may vary

# Designed for your operation.

With increasingly demanding productivity targets pushing many operations to run two or even three shifts, you need to set a new standard for high uptime and low cost of ownership. Harsh duty cycles and challenging environments can threaten uptime, and you need equipment proven to stand up and deliver, shift after shift. The Series N helps protect your bottom line with features engineered to minimize unplanned downtime, simplify service and lower fuel costs.

## **EXTENDED PREVENTIVE MAINTENANCE INTERVALS**

Reduce the amount of maintenance needed and technician labor required per truck.

## **ON-DEMAND COOLING WITH REVERSING FAN +**

Cooling fan automatically reverses direction at a regular interval to clear out debris from the radiator, allowing the truck to stay cool while minimizing the frequency with which operators need to remove debris themselves. Operators can push a button any time to reverse the fan. The fan runs independently of the engine, providing the right amount of cooling for the job, whether the truck is at top speed or sitting still.

## **ON-DEMAND HYDRAULIC SYSTEM +**

Extend the life of the hydraulic control valve, hoses and hydraulic oil with a load-sensing variable displacement pump that provides oil flow only when needed. The on-demand pump reduces heat in the hydraulic system, helping to prevent pump failure, leaks, and extending mast hydraulic hose life.

+ = *Optional equipment*

## **TAPERED ROLLER BEARINGS**

Tapered roller bearings in the steer axle are more durable against shock and require less frequent greasing than needle bearings found on most competitive models.

## **ELECTRONIC TRANSMISSION +**

Advanced Techtronix transmission designed around an aluminum housing provides proven durability against heat, shock and vibration. Includes controlled power reversals, Auto Deceleration System and automatic inching control—all of which helps reduce tire and brake wear. Easy access to components helps simplify service and minimize downtime.

## **WET DISC BRAKES +**

Oil-cooled wet disc brakes, designed to last the life of the truck, are housed in a sealed unit and protected from the environment, which helps to reduce damage, virtually eliminating brake maintenance. Includes a push-button park brake that automatically engages when the operator leaves the seat or shuts down the truck.





70N

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D55

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# About Yale

Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.




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Trucks may be shown with optional equipment and/or features not available in all regions. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale® Dealer if any of the information shown is critical to your application.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.

<sup>1</sup> 2021 MHI report. <sup>2</sup> Compared to Toyota 8 Series 8FGU25 model; competitive comparison data validated through internal testing. <sup>3</sup> WERC DC MEASURES 2022. <sup>4</sup> While lift truck systems support safe operation and help minimize the potential for tip overs, proper operation of the lift truck and 100% full-time utilization of the truck's seat belt are the primary and best means of keeping the truck and operator upright and safe. Refer to the operator and service manuals for proper operation and maintenance. <sup>5</sup> Feature not available with mechanical lever hydraulics.

## MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables

Retail & e-commerce