

Yale[®]
People. Products. Productivity.[™]

Electric
3-Wheel
Stand-Up



ESC030-040AC

3,000 - 4,000 lbs.

Exceptionally



Trucks shown with optional equipment

hard working

When it comes to three wheel stand-up riders, you'll find the Yale AC Powered ESC-AC is versatile in performance and offers superb operator comfort. In fact, with top-of-the-line components, superior ergonomics and exceptional maneuverability, it is highly productive in dock and drive-in/drive-through rack applications. The ESC-AC excels in applications within retail distribution, food production and processing, general warehousing, manufacturing and freight transportation.

Because it's backed by a full range of Yale parts and services, you can count on this truck to deliver all the big advantages: ease of operation, productivity and peace of mind.

You can also rely on the ESC-AC for the biggest advantage of all: It's from Yale.



Ultimate performance

Performance and productivity are built right into every Yale® truck. The ESC-AC is no exception. From its standard AC motors and controllers, multi-function control handle, on-demand power steering and transistor hydraulic control system, this truck delivers state-of-the-art technology that adds up to reliable performance.

The multifunction display incorporates Yale iSi Technology™ bringing a commonality between Yale warehouse products and how operators and technicians alike handle and service the truck. It ties together functionality, software, diagnostic codes, similar interfaces and is Yale Vision compatible.

The exclusive precision load positioning on incline capability allows operators to more precisely control the truck's position while working on an incline, such as on a dock or in a trailer.

The ESC-AC takes on a variety of applications—with exceptional performance, durability and reliability.

Ultimate

Yale[®] 
iSi Technology™





Standard, dual independent AC drive motors with separate drive controllers provide optimum maneuverability while turning. As the truck begins to turn, the inside motor initially slows, then stops and finally reverses to minimize turn radius.

Productivity



A standard AC Transistor traction controller and master controller utilizing CANbus Communication provide excellent travel speed control through the entire speed range. The AC Transistor lift pump control matches pump speed with hydraulic flow requirements for increased efficiency, quieter operation and reduced maintenance.



Exclusive precision load positioning on incline capability minimizes the likelihood of product damage from unintended load contact. Dual steer tires, with hydraulic actuated rack and pinion steer axle, provide precise, reliable control for maximum performance.



The mast is engineered for durability and provides exceptional visibility to the operator.



The optional Gated Multi-Function Control Handle provides the productivity benefits of a multi-function handle and the feel of a single axis handle, allowing simultaneous lift and travel functions below 2 mph, while restricting lift above 2mph. Optional Push-Pull travel control is also available.

Standard Performance Features

- 36 volt power
- Horizontally mounted dual AC motors
- AC Transistor controlled lift pump
- On-demand hydrostatic steering
- Hydraulic actuated rack and pinion steer axle
- Dual steer tires
- Dual electric brake
- Premium dash display with four traction performance modes
- Variable neutral braking
- Battery discharge indicator with lift interrupt
- 48" load backrest
- 5° forward and 5° back tilt
- Battery rollers allow removal from either side

Performance Options

- Up to three auxiliary hydraulic functions
- 4 function hydraulic control valve
- Gated Multi-Function Control Handle
- 10° forward and 5° back tilt
- Integral sideshifter
- Quad masts
- Cooler/Freezer Package—operating temperatures: 0° to +120° F
- SubZero Freezer Package—operating temperatures: -40° to +120° F
- Hydraulic attachment extension tubes
- Strobe light
- Self-adjusting audible alarm
- Operator compartment rear door
- Auxiliary power supply:
 - 25 amps / 300 watts @ 12 volts
- 83" Drive-in Rack Overhead Guard

Optimum operator comfort

Designed for side-stance operation, the ESC-AC provides operators the flexibility of an angled stance with expanded hip room. Yale's multi-function control handle with integral palm rest is comfortably operated with a gloved or bare hand.

The Yale mast and overhead guard provide exceptional visibility. Large 18" drive tires help smooth out the ride over expansion joints and dock boards. Applying the best-in-class ergonomics, the Yale® ESC-AC helps you get the job done by reducing operator fatigue and improving productivity.

The spacious operator's compartment allows the driver the flexibility of operating the truck in either an angled or side-stance position.

Intelligent





The multi-function control handle has been designed for low effort, single hand control of travel direction, speed control, hydraulic functions, and horn actuation. The built-in palm rest allows the hand to rest comfortably on the handle while providing support to the arm.

Ergonomics



The dash covers include a cup holder, clip holder, and two large storage areas. These ergonomic features, together with fully padded armrests and backrest, combine to make the ESC-AC operator compartment a productive work environment. A standard premium dash display provides bar graphics for discharge indication; steer angle graphics; travel direction; traction throttle; and truck speed.



The spacious operator compartment has a fully padded floor with 3/4" thick rubber mat and shock absorbent "isolated" floor design that reduces operator fatigue. A low 7" step height provides easy entry and exit.



The overhead guard is a three post design to provide excellent visibility for maximum operator productivity.



The optional Trucker's Style Mast is a new 2 stage FFL mast providing 40" of lift with a 48" collapsed height and 12" of free lift (without load backrest).



Trucks can be ordered with the Overhead Guard Delete option when it is fitted with the Trucker's Style Mast.¹

Standard Ergonomic Features

- Multi-function control handle with palm rest
- Tiller steer handle with 5.5 turns stop-to-stop
- Intuitive controls
- Tiller handle comfortably positioned to minimize operator fatigue
- Storage trays on top console
- Padded operator backrest with lumbar support and padded armrest
- Ample operator headroom
- Shock dampened compartment floor
- 3/4" thick cushioned floor mats
- Low 7" step height
- High visibility mast
- Curved low profile front cowl providing optimum fork visibility
- Conveniently placed positive mechanical battery disconnect
- Right-Left travel control
- 18" Drive Tire

Ergonomic Options

- Trucker's Style Mast
 - 2 stage FFL mast providing 12" of free lift without a load backrest
- Dome light and 2-speed fan package
- LED or halogen work lights
- Low profile overhead guard
- Push-Pull travel control
- Amber Strobe Light
- Data Terminal Mounting Bracket

¹ Requires dealer/customer verification confirming that the application meets ANSI/ITSDF B56.1 Section 4.5.1.4. A truck without an overhead guard cannot be used where there is risk of stacked loads falling on the driver. Contact Applications Engineering for additional details.

Superbly designed

Not only is the ESC-AC designed to require less maintenance, it's also designed to be extremely easy to service.

From quick and easy component access to a dash display for diagnostic trouble shooting, this truck was designed with the smallest service details in mind. But there's nothing small about the service access this truck provides. In fact, its maximum access makes servicing fast, easy and convenient. It's the new standard in truck serviceability—only from Yale.

Yale Gold

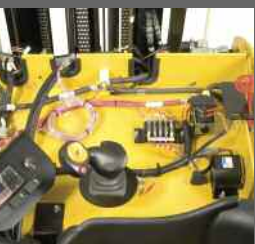


Top and front covers snap on and off easily providing quick access to components.



reliability and reduces maintenance requirements. The drive motor insulation is class H rated, and the lift motor insulation is class F rated, providing the highest degree of protection.

Service



The electrical system features **CANbus communications** to form one integrated system. This substantially reduces connections and wiring complexity resulting in reduced maintenance and increased reliability.



The service technician can use the **dash display** to perform diagnostics and set-up of the truck's acceleration rate, top travel speed, hydraulic function speeds, and regen (plugging rate).



Optional Rear Operator Compartment Door is intended to protect the operator from objects that may enter the operator's compartment but they may also slow the operator's egress in emergency situations. A review of the forklift's intended environment should be conducted before selecting a door as optional equipment.



Battery gates are provided on both sides of the truck so that the battery can be removed or maintained from either side. The spring loaded roller design allows for easy removal and replacement of battery rollers.

The optional Battery Gate Interlocks prevent the truck from traveling if a battery gate was not replaced after servicing. The three gate removal options are: Right Side Extraction Only, Left Side

Serviceability Highlights

Easy lift-off ABS plastic panels provide quick service access

Power-on self test

Hour Meters; Truck, Traction and Hoist Pump Time

Error code messages help reduce troubleshooting time

Fault code messages are captured in memory and time stamped, enabling pinpointing of truck errors

Standard safety logic and protection circuits

Overheat protection system

Brushless steer motor

Pre-adjusted brake assemblies require no maintenance

Electric brake engages when the RPM of the AC traction motors reaches zero for at least second

Premium dash display includes:

- Four traction performance modes
- Diagnostic and fault codes
- Traction and pump motor over temperature indicator
- Operator checklist
- Password protection
- Traction, pump and total truck hour meter readout

Color-coded wiring for easy troubleshooting

Battery Gate Interlock (Optional)

Rear Operator Compartment Door (Optional)



Key Features

- Dual AC drive motors
- Low noise operation
- AC Transistor controlled lift pump
- Precision load positioning on incline
- Cornering speed control
- Fast lift/lower speeds
- Low effort multi-function control handle
- Premium dash display
- High visibility mast
- Low 7" step height
- Shock dampened, isolated operator's compartment floor
- Angled or side-stance operator compartment
- Low force parking brake pedal
- On-demand hydrostatic steering
- Electric parking brake
- CANbus technology
- Dual steer tires
- Easy to service

Model	ESC030AC	ESC035AC SWB	ESC035AC LWB	ESC040AC
<i>Performance Specifications:</i>				
Travel Speed Empty/Loaded (mph)	7.2 / 7.2	7.2 / 7.2	7.2 / 7.2	7.2 / 7.2
Lift Speed Empty/Loaded (fpm)	89 / 69	89 / 67	89 / 67	88 / 63
Lowering Speed Empty/Loaded (fpm)	55 / 100	55 / 106	55 / 106	55 / 106
<i>Dimensions & Weights:</i>				
Overhead Guard Height (inches)	88	88	88	88
Length to Face of Forks (inches)	66.7	66.7	69.2	69.2
Across Std. Drive Tire (inches)	35	35	35	35
Height Std. Mast Lowered (inches)	84	84	84	84
Height Std. Mast Ext. w/LBR (inches)	180	180	180	180
Ground Clearance: Lowest Point (inches)	4	4	4	4
Ground Clearance: No Load at Ctr of Wheelbase (inches)	4	4	4	4
Step Height (inches)	7	7	7	7
Aisle Width (inches)	67.6	67.6	70.1	70.1
Right Angle Stacking = Aisle Width plus Clearance plus Load Length				

Specifications listed above are with standard 2-stage mast.

See Yale® truck specification sheets for additional data. For a complete listing of truck options, contact your local Authorized Yale® Dealer.

Buy a truck, **get a company.**

As a leader in materials handling, Yale offers so much more than the most complete line of lift trucks.

All our **lift trucks**¹ come with the support of an entire company, our strategically located **dealer network**,² certified **service technicians**³ and everything it takes to help **finance**⁴ and **manage**⁵ your lift truck fleet. With every Yale® truck you also get total service and our continuing commitment to improving your materials handling productivity.

The Yale logo is displayed in a bold, white, sans-serif font. The word "Yale" is written in a slightly italicized style, and a registered trademark symbol (®) is positioned to the upper right of the letter "e".

1 *The most comprehensive line of trucks from 2,000 to 36,000 pounds and nine manufacturing plants.*

2 *More than 325 dealer locations in the Americas, Europe and Asia.*

3 *Showing customers a cost-effective way to buy, lease or rent the trucks they require.*

4 *Fleet management services for more than 100,000 trucks and 28,000 trucks in our rental fleet.*




For more information, or to find your nearest Yale® dealer, go to Yale.com.



YALE MATERIALS HANDLING CORPORATION

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www.yale.com

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Manufactured in our own ISO 9001 and 14001 Registered Facilities