



ESC-FA
Three Wheel Stand-Up
 3,000 - 4,000 lbs

Yale[®]

Yale Materials Handling Corporation

1400 Sullivan Drive • Greenville, NC 27834

1.800.233.YALE
 www.yale.com

Manufactured in our own ISO 9002 Registered Facilities

©2001, Yale Materials Handling Corporation



Truck shown with optional equipment

ergonomics

Yale Lift Trucks and Services are designed

performance

to maximize and continually improve your

serviceability

materials handling productivity.

productivity

Lift Trucks

Rental Services

Fleet Management

Financial Services

Gold Service™

Replacement Parts

Operator Training

Yale[®]





Exceptionally **hard working**

When it comes to three wheel stand-up riders, you'll find Yale's ESC-FA 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 many dock and drive-in/drive-through rack applications. The ESC-FA excels in many applications within retail distribution, food manufacturing and processing, general warehousing and manufacturing, storage, plastic products, 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-FA for the biggest advantage of all: It's from Yale . . .

the market leader.

Yale

Truck shown with optional equipment

Optimum operator comfort

Operator's compartment features a new movement forward in ergonomics. Designed for side-stance operation, the truck allows the driver 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.

Yale Global Hi-Vis mast and overhead guard provide exceptional visibility. Applying the best-in-class ergonomics, the Yale ESC-FA 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.

Truck shown with optional triplex mast, integral sideshifter, mast mounted work lights, strobe light, and dome light/fan package



Intelligent Ergonomics

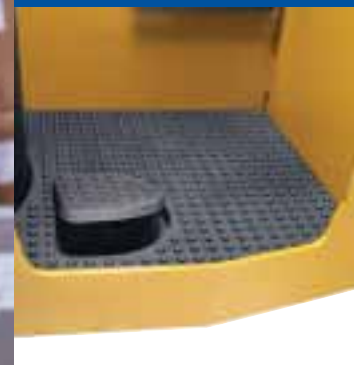
"Smart companies recognize that good ergonomics not only avoids work injuries, but it also improves the productivity of their operations."



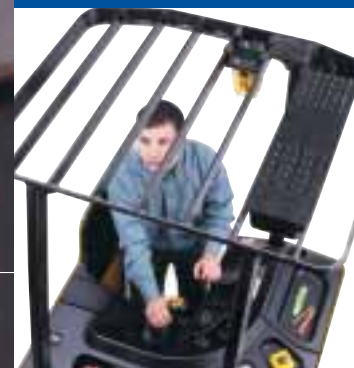
The multi-function control handle has been designed for low effort, single hand control of travel direction, speed control, hydraulic functions, and horn actuation. The built-in palm rest allows the hand to rest comfortably on the handle while providing support to the arm.



The dash covers include a cup holder, clip holder, and two large storage areas. A combination of elbow, back, hip and knee urethane pads surround the operator. These ergonomic features combine to make the ESC-FA operator compartment a productive work environment. Truck shown with optional premium display.



The operator compartment floor is fully padded with a full 3/4" thick rubber mat and shock absorbent "isolated" floor that reduces operator fatigue. 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 truck is shown with optional strobe light and dome light/fan package.

Ergonomic Highlights

- 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
- Fully padded operator compartment
- Ample operator head room
- 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

Ergonomic Options

- Dome light and 2-speed fan package
- Mast mounted working lights
- Low profile overhead guard

Ultimate performance

Performance and productivity are built right into every Yale truck. The ESC-FA is no exception. From its Separately Excited Motor (SEM) traction control technology, multi-function control handle, on-demand power steering and optional transistor hydraulic control system, this truck delivers state-of-the-art technology that adds up to reliable performance.

What's more, the ESC-FA comes in two wheelbase lengths and a variety of options for 3,000 to 4,000 pound applications. Because every part is designed for strength, dependability and long wear, it's also on the job more --- exactly where you want your trucks and operators to be.

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

Truck shown with optional triplex mast, integral sideshifter, mast mounted work lights, strobe light, and dome light/fan package

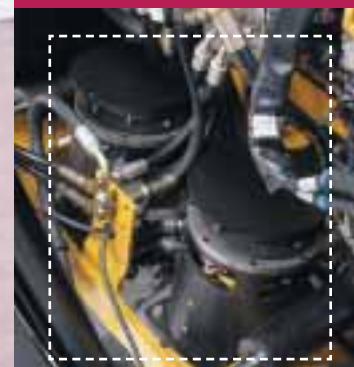


Ultimate productivity

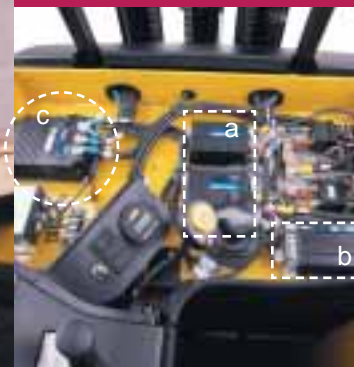
"On the road of materials handling there are drivers and there are movers. If you're not driving change, move over."



The Global Hi-Vis mast is engineered for durability. Full-face bearings are canted at a 3 degree angle to allow for full face contact with the mast channels. Loading on the roller bearing is evenly distributed for increased bearing and mast channel life.



Dual independent drive motors with separate drive controllers provide optimum maneuverability while turning. As the truck begins to turn the inside motor initially stops and finally reverses to minimize turning radius.



MOSFET traction controller (a) and master controller utilizing CANbus Communication (b) provide excellent speed control through the entire speed range. ESC-FA is shown with optional transistorized hydraulic controller (c) for more demanding applications. Also shown are optional premium dash display and auxiliary power supply.



Dual steer tires with hydraulic actuated rack and pinion steer axle provides precise, reliable control for maximum performance.

The large 18" drive tires help smooth out the ride over expansion joints and dock boards.

Performance Highlights

- 36 Volt Power
- Dual Separately Excited Motors (SEM)
- Dual MOSFET traction controllers
- On-demand hydrostatic steering
- Hydraulic actuated rack and pinion steer axle
- Dual steer tires
- Dual electric brake
- Two stage parking brake pedal activates regenerative braking and electric parking brake
- 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

- MOSFET Controlled Hydraulics
- Up to two auxiliary hydraulic functions
- 10° forward and 5° back tilt
- Integral sideshifter
- Cooler/corrosion, freezer packages
- Premium dash display provides four traction performance modes
- Strobe light
- Reverse operated, self-adjusting audible alarm
- Operator compartment rear door
- Auxiliary power supply groups:
 - 12 volt, 10 amps unregulated
 - 12 volt, 30 amps regulated

Superbly designed

Not only is the ESC-FA 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.

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

Truck shown with optional premium dash display, auxiliary power supply and transistorized hydraulic controller

Yale Gold Service™

"Excellence today is defined by the company that can surprise with service and manage the supply chain in ways that deliver value above and beyond customer service."



The service technician can use the multi-function control handle to perform diagnostics and set-up of the truck's acceleration rate, top travel speed, hydraulic function speeds, and regen (plugging rate). Truck shown with an optional premium dash display.



Electrical system features CANbus communications to form one integrated system. This substantially reduces connections and wiring complexity resulting in reduced maintenance and increased reliability. Truck shown with optional premium dash display, auxiliary power supply and transistorized hydraulic controller



Class H insulation drive motors provide the highest degree of protection. Drive motors have double brushes for increased surface contact which provides increased brush life and reduced maintenance. Truck shown with optional reverse operated, self-adjusting audible alarm.



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.

Serviceability Highlights

Easy lift-off ABS plastic panels provide quick service access

Power-on self test

Hour meter

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 DC steer motor

Double motor brushes with constant pressure springs

Electric parking brake has fewer parts to service

Serviceability Options

Premium dash display includes:

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



Key Features

- Multi-function control handle
- Angled or side-stance operator compartment
- Low 7" step height
- Low force two stage parking brake pedal
- High visibility mast
- Shock dampened, isolated operator's compartment floor
- On-demand hydrostatic steering with brushless DC motor
- Dual steer tires
- Dual SEM drive motors
- Dual MOSFET traction controllers
- CANbus technology
- Fast lift/lower speeds
- Electric parking brake
- Easy to service

Model	ESC030FA	ESC035FA	ESC040FA
<i>Performance Specifications:</i>			
Travel Speed Empty/Loaded (mph)	7.0 / 6.8	7.0 / 6.6	7.0 / 6.5
Lift Speed Empty/Loaded (fpm)	95.0 / 65.0	95.0 / 60.0	95.0 / 55.0
Lowering Speed Empty/Loaded (fpm)	70.0 / 90.0	70.0 / 90.0	70.0 / 90.0
<i>Dimensions & Weights:</i>			
Overhead Guard Height (inches)	88.0	88.0	88.0
Length to Face of Forks (inches)	67.3	67.3	69.8
Across Std. Drive Tire (inches)	42.0	42.0	42.0
Height Std. Mast Lowered (inches)	82.0	82.0	82.0
Height Std. Mast Ext. w/LBR (inches)	175.0	175.0	175.0
Ground Clearance: Lowest Point (inches)	3.5	3.5	3.5
Ground Clearance: No Load at Center of Wheelbase (inches)	4.0	4.0	4.0
Step Height (inches)	7.0	7.0	7.0
Aisle Width (inches)	68.2	68.2	70.7
Right Angle Stacking = Aisle Width plus Clearance plus Load Length			

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. In fact, **Yale is the number one selling lift truck company** in the Americas for units sold, since 1994, according to the Industrial Truck Association.

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.

Yale

¹ The most comprehensive line of trucks from 2,000 to 36,000 pounds, six manufacturing plants and four development engineering centers.

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

³ The industry's best service and support program, Yale Gold Service™, with 2,000 service vans and over 2,500 service technicians.

⁴ Showing customers the most cost-effective way to buy, lease or rent the trucks they require.

⁵ Fleet management services for more than 85,000 trucks and 28,000 trucks in our rental fleet.