



High Capacity Trucks
for heavy duty applications.

The Yale® High Capacity truck range.

The Yale range of high capacity forklift trucks is designed to handle a wide range of tasks including heavy duty and intensive applications.

The high capacity range comprises the VX Series 6-7 tonne, VX Series 8-9 tonne available with either diesel or LPG engines, DC Series 8-12 tonne and EC Series 13-16 tonne models. Yale trucks have been designed for use in a diverse range of industries, including food, beverage, logistics, chemical and manufacturing industries.

The DC/EC series is particularly suited to wood and timber products, stevedoring and heavy cargo, metal stockholding, pre-stressed concrete, brick and block and heavy manufacturing, whereas the VX Series excels in intensive work cycle businesses such as building materials, timber, metal, concrete, paper and pulp.

Yale high capacity trucks incorporate a wide range of standard features to help improve productivity. Combining low noise levels with a clean operation, the ECO-eLo Fuel Efficiency Mode reduces fuel consumption by up to 20% without having any significant negative effect on the overall truck productivity.

Other options to suit specific industry requirements include raised cabs, special paint for use in extreme temperature environments and front-end equipment for specialised applications.

Special mast for large load



Wide and varied industry solutions.

Whatever the industry sector, rest assured Yale has a high capacity truck solution tailored to your needs.

Our forklifts range in size from 6 to 16 tonnes and combine smart design with intelligent ergonomics to provide maximum operator comfort and operational efficiency. A range of performance features helps to deliver handling and optimum productivity levels.

Built for intensive operation, multi-load handling or use with heavy attachments, Yale high capacity trucks are designed to meet the challenge of heavy duty applications.

In the beverage industry, Yale trucks are designed for multi-pallet handling of fragile loads. For the steel industry innovative clamps can handle hot ingots and coils as they are cast leaving the process at up to 900°C. In paper and recycling, Yale trucks can transport pulp or waste paper bales using specially designed clamps. For chemical and hazardous materials logistics, where forklifts are often required to operate in potentially explosive atmospheres handling flammable material, Yale has capabilities that meet the applicable EU regulatory requirements.



Food



Beverage



Logistics



Paper, pulp
and recycling



Chemical



Manufacturing

Recycling



Trucks to suit a wide range of solutions.

6-7 tonne VX

The 60-70VX models have been engineered to provide users with a model choice dependent on application requirements. All VX diesel models are equipped with engines suitable for Stage IV EU regulated markets.



Ergonomic features that provide operator comfort excellence and operational efficiency:

- Isolated powertrain and full suspension seat among the lowest in the industry whole body vibration levels of 0.6m/s²
- Operator compartment with clear unobstructed foot space, easy 3 point entry and low step height for easy on and off access
- Adjustable steering column and ergonomically positioned operators seat with integrated armrest incorporating mini-levers for hydraulic control and other key functions for the most comfortable operating position
- Auto-deceleration system (ADS) is standard on the Value models automatically decreasing the speed of the truck when the throttle pedal is released minimising brake usage, tyre wear and operator fatigue
- Dash display transmits continuous feedback to the operator of the truck's status and is positioned for optimum visibility

Performance features that deliver efficient handling and high levels of productivity:

- Two transmission options available, Powershift Electronic 2 speed – Base model, Techtronix 300 – Value and Productivity models for precise application matched performance
- Smooth electronic inching, shift and neutral start with brake interlock
- Continuous stability enhancement system (CSE) provides operating confidence from outstanding lateral stability when travelling over uneven ground surfaces and when cornering
- Controlled roll back (CRB) on ramps for confident operator control on gradients (Value and Productivity models only)
- Controlled power reversal (CPR) for regulated directional change and tyre savings (Value and Productivity models only)
- Intellix vehicle system manager (VSM) maximises uptime by monitoring and protecting key functions of the truck

8-9 tonne VX

The 80-90VX is available in three model configurations. The Base model is designed to provide a lower cost of acquisition without sacrificing performance, the Value model is optimised for performance and the lowest cost of operation, while the Productivity model delivers maximum performance in heavy duty cycle applications.



Ergonomic features that provide operator comfort excellence and operational efficiency:

- Isolated powertrain and full suspension seat among the lowest in the industry whole body vibration levels of 0.6m/s²
- Operator compartment with clear unobstructed foot space, easy 3 point entry and low step height for easy on and off access
- Adjustable steering column and ergonomically positioned operators seat with integrated armrest incorporating mini-levers for hydraulic control and other key functions for the most comfortable operating position
- Auto-deceleration system (ADS) is standard on all models automatically decreasing the speed of the truck when the throttle pedal is released minimising brake usage, tyre wear and operator fatigue
- Dash display transmits continuous feedback to the operator of the truck's status and is positioned for optimum visibility

Performance features that deliver efficient handling and high levels of productivity:

- Two transmission options available, Techtronix 300 – Base and Value models for precise application matched performance and Techtronix 300 Autospeed Hydraulics – Productivity model for maximum performance in intensive duty work cycles
- Smooth electronic inching, shift and neutral start with brake interlock
- Controlled roll back (CRB) on ramps for confident operator control on gradients
- Controlled power reversal (CPR) for regulated directional change and tyre savings
- Intellix vehicle system manager (VSM) maximises uptime by monitoring and protecting key functions of the truck

8-16 tonne DC/EC

The nine models of the Yale DC and EC series are heavy duty trucks designed to handle the most arduous applications and feature Stage IV engines for reduced emissions. A 16t capacity truck with a load centre of 1200mm is also available. This allows cumbersome loads to be carried more effectively.



Ergonomic features that provide operator comfort and operational efficiency:

- Enclosed operator cabin
- Infinitely adjustable steering column and ergonomically positioned operator's seat
- Integrated armrest incorporating paddle-levers for hydraulic control and other key functions
- Instrument panel positioned to the right of the operator for clear unrestricted view of the truck's operational status
- Easily removable and serviceable air filter that reduces airborne contaminants into the cabin
- Strategically placed adjustable air vents and optional air conditioning system

Performance features that deliver efficient handling and high levels of productivity:

- Cummins Stage IV diesel engines deliver durability for long periods of peak power, excellent acceleration and smooth torque for lugging
- Engine, transmission and hydraulic protection systems monitor operating temperatures and pressures and are designed to ensure the highest level of truck reliability, productivity and uptime.
- The auto-shift transmission features smooth speed range shifting, electronic inching and on board diagnostics as well as protective lock out on forward and reverse shifting to protect the transmission
- Smooth inching for precise load handling and stacking
- The transmission incorporates adjustable parameters for engine and travel speed as well as extremely smooth shifting and torque controlled inching

Key features.

VX features

Auto-deceleration system (ADS):

automatically decreasing the speed of the truck when the throttle pedal is released minimising brake usage and operator fatigue.

Intellix vehicle system manager (VSM):

maximises uptime by monitoring and protecting key functions of the truck.

Controlled power reversal (CPR):

for regulated directional change and tyre savings.

Two transmission options available:

Techtronix 300 – Base and Value models for precise application matched performance and Autospeed Hydraulics – available for maximum control in intensive duty work cycles.

Controlled roll back (CRB):

on ramps for confident operator control on gradients.

Smooth electronic inching and neutral start with brake interlock.



DC/EC features

Auto-shift transmission:

features smooth speed range shifting, electronic inching and on board diagnostics as well as protective lock out on forward and reverse shifting to protect the transmission.

The transmission incorporates adjustable parameters for engine and travel speed as well as extremely smooth shifting and torque controlled inching.

2 Stage mast with pin and hook carriage

Cummins Stage IV diesel engines:

deliver durability for long periods of peak power, excellent acceleration and smooth torque for lugging.

Engine, transmission and hydraulic protection systems:

monitor operating temperatures and pressures and are designed to ensure the highest level of truck reliability, productivity and uptime.

Smooth inching:

for precise load handling and stacking.



High visibility mast improves productivity.

Greater visibility for truck operators that satisfies the most demanding customers.

Yale's 2 stage masts* with pin and hook type carriages on the GDP80-120DC and GDP130-160EC forklift truck range provides:

- Excellent visibility for the driver to the forks and load
- Optimised forward visibility
- Extended range of carriage options
- Easier manoeuvrability through reduced mast height and truck width
- Excellent durability and reliability



- Chains moved to the outside of the mast
- Open carriage for 10-16 tonne truck models with more space between the top and bottom
 - Allows operators to look through the carriage
 - Optimised for ground level and lorry bed height
- Slim line design of top bars, which are placed at an angle to minimise obstruction
- Improved location of the valve block on the carriage



10-12t apron-style sideshift and fork positioner pin type carriage.

Extended range of carriage options

Pin type carriages:



10-12t standard fork positioning pin type carriage.



10-12t apron-style sideshift and fork positioning pin type carriage.

Advantages of pin type carriages:

- Enhanced capacity
- Maximum sideshift available in any position of the fork
 - Only with sideshift apron-style carriage
- Fork is not locked at the heel allowing the fork to swing
- Allows minor sideloads on the forks

Dual function sideshift and fork positioning carriage (DFSSFP) – also referred to as “Terminal West style”:

- The hook type forks allow for quick disconnect
- Easy exchange between forks and attachments
- Greater visibility for the operator to the forks and load
- Larger sideshift range compared to pin type carriage (depending on fork position)
- Forks are fixed at the heel to the carriage preventing fork swing
- When sideshifting the carriage frame does not move sideways preventing the frame from going outside the normal truck width



10-12t dual function sideshift fork positioning carriage.

Increased lifting capacity

Extra lifting capacity of 400kg with the sideshift apron-style pin type carriage design allows less weight of the carriage.

- Moving the load closer to the centre of the truck reduces “lost” load
- Subject to the application we can offer a 12t model @ 1200 mm load centre through our specialist engineering team
- For actual truck rating capacities with alternate mast and carriage options, see mast and capacity information in respective spec sheets GDP80-120DC and GDP140-160EC
- Reducing the axle width allows easier road transportation in Europe



Please note: *masts, carriages and forks are not interchangeable with previous series. Also the carriage and forks of the 3 stage full free lift (FFL) and SPED 2 stage FFL masts will remain unchanged.

Engineered for you.

When it comes to the overall cost of a forklift truck to your business, the initial purchase price can represent just one small portion.

There is a host of other factors that need to be taken into consideration in order to arrive at the true operating cost to your business, such as periodic maintenance, unscheduled repairs, replacement parts and ever-increasing energy costs – to name but a few.

At Yale, we build industry-leading reliability and world-class serviceability into every model to help you get a greater return on your materials handling fleet investment and lower the cost of ownership.

Productivity

Whatever Yale materials handling equipment you're using, rest assured it's engineered to deliver superb levels of productivity. A host of performance features provides fast load handling, smooth direction changes and excellent manoeuvrability in tight spaces. All the characteristics to take productivity to a higher level.

Ergonomics

The more comfortable your operators, the more productive and profitable your operation will be. That's why all our trucks have comfort and ergonomically advanced features designed in. Creating an operating environment that represents the ideal work place for operators.

Durability and reliability

Innovative design and standard-setting engineering are backed up by a reassuringly robust solid construction.

- Variable roller lap design reduces load roller forces resulting in longer roller life
 - Two rollers at the top of the outer mast
 - Two rollers at the bottom of the inner mast
 - When driving with load the roller lap is very large
- Mast channel J-profile provides extra rigidity.
- Load from the mast is more efficiently transferred into the frame mounting plates.
- Heavy duty wear pads in carriages for both apron-style pin type and dual function sideshift and fork positioner carriages

Serviceability

Yale trucks are designed to reduce downtime to an absolute minimum. We use only reliable industrial quality components to keep your equipment and your operation running smoothly. Yale trucks also offer simple access, state of the art fault-finding diagnostics plus assured parts availability – everything to make servicing and maintenance faster and easier. Furthermore, the best quality materials handling equipment goes hand in hand with highly professional dealer networks.

Wherever you're based, rest assured there is an authorised dealer close at hand giving you the expert advice and guidance to keep downtime to a minimum.

Servicing and parts

Yale technicians are highly trained professionals with the experience and capability to take care of all your high capacity truck servicing needs. They understand the complexity of the trucks and have been certified to consult on and maintain the entire high capacity truck range and have access to Yale's extensive technical reference and support services.

Yale has a long-term vision to support your truck throughout its life. Availability of key parts is assured, stocked by our local dealers with full support for all other parts from the parts distribution centre that has over 2.5 million parts in stock. We have emergency response times inside two hours and next day delivery for most parts.

Our aims include a maximum four hour service response time to calls received before 14.00 (local time) and an average repair time of 90 minutes.

Cost of ownership

Yale and its dealer network are committed to supporting customers during the entire lifecycle of its products from:

- Choosing the most productive and energy efficient model for your application to advising on the most effective layout for your warehouse and the materials handling equipment required using our unique Warehouse Simulator
- Identifying additional services including finance options from Yale Financial Services to fleet management using Yale Vision telemetry to monitor truck use and maximise utilisation
- Providing expert maintenance and repair through our independent network of Yale Dealers and Service technicians



About Yale[®]



Yale is a leading global manufacturer and supplier of high-quality counterbalance forklift trucks, warehouse equipment and fleet solutions. 'People, products and productivity' sums up our approach to materials handling business. With over 140 years' experience, we are proud of our reputation as an innovative, forward-thinking manufacturer.

Yale dealerships provide flexible truck servicing solutions and are linked to one of the industry's most sophisticated parts distribution operations. You'll find support for Yale forklifts throughout the EMEA region – provided by a big regional footprint stretching through Europe, Middle East and Africa.

Materials handling for:



Automotive



Beverages



Chemical



Construction



Food



Logistics



Metals



Paper



Retail



Wood

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