



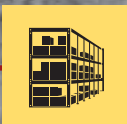
**STRONG PARTNERS.  
TOUGH TRUCKS.™**



**DISCOVER WHAT'S INSIDE**

**THE NEW REACH TRUCK RANGE**

**[WWW.HYSTER.EU](http://WWW.HYSTER.EU)**





# THE BEST HYSTER® REACH TRUCK EVER

**Driven by innovation, designed for efficiency, the new tough Hyster® Reach Truck sets the standard for warehouse operations**

Operating at greater heights, with improved stability, visibility, manoeuvrability and control, the all-new Reach Truck is built with the quality hallmarks of Hyster: tough, intelligent, dependable and efficient.

## Made for every operation

The new Reach Truck range offers seven models, from 1.4 to 2.5 tonnes, with a selection of four chassis lengths: more options, tailored to meet the demands of every indoor application.

## Tough design

Designed and tested in some of our customers' most demanding warehouse environments, the Hyster® Reach Truck offers all new and advanced operator features and functionality to excel in intense applications.

The new truck features a three piece design for more options and to reduce replacement costs, while a completely redesigned mast delivers class-leading visibility and control.

## Durability

Next generation controllers and motors designed and built to the exacting standards of Hyster®.

## Intelligent design

Reliable and productive: energy efficiency with long service intervals.

Agile and accurate: high travel (14km/h) and lift (0.8m/s)/lower speeds, with outstanding all-round visibility and control.



### THE INSIDE STORY: VIEW FROM THE CAB

**"The innovative mast design gives excellent all-round visibility, while the optional laser positioning means excellent controllability at height. Easy to access and ergonomically designed to work hard, in comfort."**

## Made for hard work

Designed for a comfortable, productive driving experience, the new Reach Truck's ergonomically designed operator compartment, excellent visibility and manoeuvrability makes light of hard work.

- Unique premium touch screen display, joystick and adjustable steering column
- New mast design delivering excellent visibility and stability at high reach
- Cold store cab, work in -30° warehouses in comfort

## WHAT MAKES HYSTER® GREAT OUTDOORS, MAKES HYSTER® GREAT INDOORS...

- For demanding operations, everywhere
- Number 1 in Heavy Duty operations
- Intelligent design

### THE INSIDE STORY: PERFORMANCE INDICATORS

"The Hyster® Reach Truck's acceleration and faster lift speeds, together with the mast height residual capacity delivers efficiency in operation."





# INNOVATION MEETS FUNCTION

## For demanding operations everywhere

Designed and built in Europe to the exacting standards of Hyster®, with over 55,000 man hours of product development and testing to achieve the final result: a Reach Truck packed with innovation, technically advanced yet practical, durable and dependable.



### Mast Design and construction

Based on computer aided FEA (Finite Element Analysis), the new Mast comes in two options, Standard and Heavy Duty. Both share the following unique features:

- Unique channel design (patent pending)
- Excellent visibility through reduced total channel width
- Residual capacity maintained to higher heights

Available in an extensive range of mast lift heights from 4,650mm to 12,750mm to meet all operational requirements.

### Clear visibility

Excellent all-round and 'past-the-mast' visibility for enhanced accuracy, productivity and performance in operation.

### Excellent stability

The robust mast design and construction provides high residual capacities and stable load handling throughout the height range:

- Increased operator confidence when handling loads at height
- Increased productivity through faster put away and retrieval times
- Enhanced h1:h3 ratio, lifting to a higher maximum level with a lower closed height making it easier to drive through doorways and warehouse tunnels

### THE INSIDE STORY: PERFORMANCE INDICATORS

"VCM with dual CANbus means more faster fault diagnostics and first time fixes for reduced downtime."



## **MORE UPTIME, LESS DOWNTIME**

Controllers placed underneath driver, allowing more space for storage and an additional handle to ease driver access and enhance visibility to the forks.

Hyster® Reach Trucks use one main truck master controller VCM (Vehicle Control Manager) to provide fully integrated controls for traction, steering and hydraulic pump motor (controllers), brakes, hydraulics, control elements, displays and all other on-board electronics.

The latest generation motor ensures electric system reliability, ease of access, enhanced diagnostic functionality and facilitates first time fixes, giving you increased productivity and reduced downtime.

## **DUAL CANBUS (CONTROLLER AREA NETWORK)**

VCM uses a dual CANbus to speed up fault diagnosis and allows the truck to operate in 'drive home' mode should a problem occur.

- 1 Drive motor controller**
- 2 Hydraulic pump motor controller**
- 3 Main truck master controller VCM  
(Vehicle Control Manager)**
- 4 Steering motor controller**

### **THE INSIDE STORY: VIEW FROM THE CAB**

**"A clear view past the mast gives greater confidence operating at height and helps speed up the job."**



## EFFICIENCY BUILT IN

Warehouse operations are under ever-increasing pressure to deliver more swiftly, more efficiently and more cost effectively. Our reach trucks have been optimised to meet these challenges and are more reliable, more flexible and more productive than ever.

### FASTER CYCLE TIMES

#### High performance – faster cycle times

A next generation Hyster® traction motor gives powerful acceleration and an increased travel speed of up to 14km/h and the new mast deliver 0.8 metres per second lift speed up to 12.75 metres

#### More manoeuvrable

A choice of 180°/360° steering, allows the Hyster® Reach Truck to operate in narrow aisles with ease and control:

- Standard: 180°
- Option 1: 180° / 360°
- Option 2: 360°

### IN CONTROL

Braking and stability features for controlled handling in operation.

- **Auto regenerative and load braking**
  - Automatic braking when changing direction
  - Wear-free, self-adjusting brake system – eliminates brake pads, hydraulic oil change, piping
  - Easy access
- **Adjustable speed reduction on cornering**
  - Enhanced straight line travel
  - Stable manoeuvrability on cornering

#### THE INSIDE STORY: PERFORMANCE INDICATORS

“Faster and more efficient in operation, with great new features such as the laser positioning system and that really make a difference.”





## **ECO-ELO AND HIP PERFORMANCE MODES**

**Drive down operating costs by switching to Energy Efficiency Mode and reduce energy consumption by up to 20% without affecting productivity.**

## **EASE OF OPERATION**

**Packed with driver-led features that streamline active service.**

- **Height pre-selection option**
  - Driver assist feature for higher lifts
  - Increase in load handling
  - Helps to prevent damaged loads and racks
- **Two choices of display**
  - Quick and easy at a glance display
  - All relevant operating conditions visible on one screen
  - Easy access push buttons and switches
  - Service technician can easily connect to PC service tool
  - Reduced speed ("creep speed") select
  - Premium, enhanced technology, full colour touch screen available on all models
  - Future proofed – The first Reach Truck touch screen display offering regular software upgrades

## **DRIVEN BY INNOVATION**

**Advanced features for enhanced operational performance.**

- **Auto levelling and centring forks**
  - Levels fork at the push of a button
  - Reduces chance of load damage/spillage
- **Height indicator**
  - Continuous height measuring from ground up by lift height indicator shown on the display
- **Visual laser positioning system**
  - Visual aid to position forks at height
  - Provides 800mm wide laser line
  - Easy load pick-up at height

**THE INSIDE STORY: VIEW FROM THE CAB**  
**"Intuitive controls and driver assist options are easy to use."**



# WORK HARD IN COMFORT

**When a driver operates a Reach Truck that is comfortable, easy to operate with great visibility, work-induced fatigue during a tough shift is reduced. Alertness and productivity improves and the number of mistakes diminishes.**

Drivers are the key to every successful operation. That's why the well-being and productivity of your drivers was the starting point for the development of our new Reach Truck models. Every detail of the driver's experience was considered and built into the new Hyster® Reach Truck design.

## ERGONOMIC CONTROLS



### Unique Joystick

- Simple, integrated control
- Comfortable, contoured shape that matches natural lie of the hand
- Maximum grip surface
- Industry first fingertip mini joystick control

### Arm rest / TouchPoint™ mini lever module

- Angled and contoured arm rest for increased operating comfort
- Incorporates mini lever control
- Integrated function control buttons



### Practical operator compartment

- Low step height
- Easy reach grab handles to ensure three point entry
- Generous foot space and knee room
- New wider spaced pedal arrangement with increased side clearance

### Tough steering column

- Mounted directly onto chassis
- Sturdy slider mechanism (tested to withstand downward force of 250kg)
- Extendable column for easy 'on/off' access and operator positioning

### THE INSIDE STORY: PERFORMANCE INDICATORS

**"Tough on the outside is matched by driver comfort on the inside, for a more productive workforce."**





### Excellent visibility

- Lowered bulkhead for excellent all round visibility
- Excellent visibility through and around the mast
- Intelligent positioning of free lift cylinder
- Enhanced visibility decreases neck, head and shoulder stress during operation

### THE INSIDE STORY: VIEW FROM THE CAB

“Everything has been designed with the driver in mind.”



## EASY, LOW COST MAINTENANCE

**The new Reach Truck is practical as well as durable. High quality materials matched with easy access service areas ensures efficient maintenance and quick repairs to minimise your downtime and maintain high productivity.**

Innovative technologies, robustly applied, work together to optimise the efficiency of each truck throughout the range.

- Hinged door gives easy service access to motors, hydraulics and other components
- Greased for 'life' mast rollers
- Basic display provides most critical status of components and error codes
- Single plug-in service access point for truck diagnostics
- Service technician can easily connect laptop to PC service tool
- Diagnostic plug-in point on standard and Premium displays
- Double wired CANbus and controllers
  - Easy access
  - Easy identification of possible component and wire harness failures
  - Greater number of first time fixes
- 100% leak free quick disconnect hydraulic fittings
- 3000 hour hydraulic oil and filter service interval, 7500 hour transmission oil change



### THE INSIDE STORY: PERFORMANCE INDICATORS

**"Low maintenance features and easy access to service areas helps keep the fleet up and running."**





**THE INSIDE STORY: VIEW FROM THE CAB**

“Easy daily checks and clear warnings about the operational status of key components.”



## REDUCING WHOLE LIFE COSTS

**Many businesses face growing financial pressures. The costs involved in owning and running a Reach Truck are significant. Every operational detail must be optimised.**

By involving our customers at every stage of the design process we have worked with warehouse managers and business owners to identify and address the pinch points that affect different applications. From extended service intervals, more durable and long lasting components to battery management our new range delivers whatever your business demands.

### **A TRUCK FOR EVERY APPLICATION:**

- Food Production
- Grocery, beverage and non-food retail
- Cold stores
- Contract logistics
- Wholesale distribution
- Chemicals
- Cash and Carry
- Furniture retail
- DIY stores
- Manufacturing
- Spare parts distribution centres

**THE INSIDE STORY:  
PERFORMANCE INDICATORS**  
“Low cost of ownership through long service life and future-proofed technology makes the difference to the bottom line.”





## **NEW MANUFACTURER WARRANTY**

The Hyster® Reach Truck is designed to deliver the utmost in reliability, economy, productivity and profitability. Every new reach truck comes with 24 month cover as standard (up to 4,000 hours of operation) or an optional 36 month Extended Warranty (up to 6,000 hours of operation). This includes repair and replacement of all parts not affected by accidental damage or wear in ordinary use.

## **GENUINE PARTS**

Our rigorous development and testing is designed to ensure that our trucks deliver the highest standards of operation, reliability and performance. Our genuine parts maintain the integrity and reliability of your truck. In the unlikely circumstance of your truck needing a part urgently, we have 99% first pick availability and a rapid parts delivery service aligned with our extensive network of dealers who are on hand to get you back to work.

## **WORLD CLASS QUALITY**

The Hyster® reputation for total customer satisfaction is a product of world-class manufacturing. By anticipating the needs of every customer, Hyster® Reach Trucks deliver performance, value and dependability, backed by the Hyster® 'First Time Right' quality commitment.

**THE INSIDE STORY: VIEW FROM THE CAB**  
"I know I'll be driving a great truck  
for years to come."



# A TRUCK TO MATCH EACH OPERATION

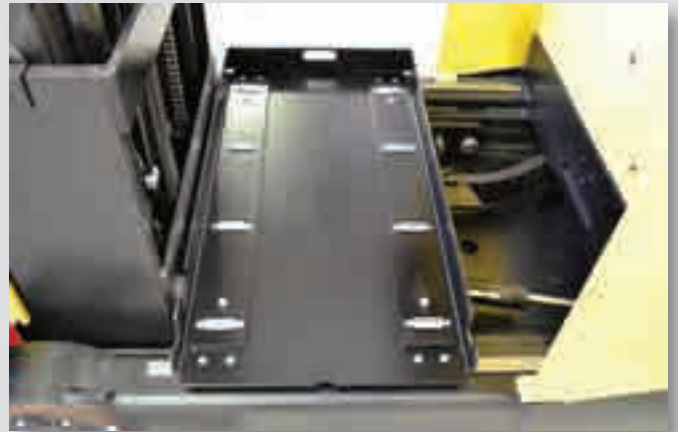
Just as every business is structured to meet the needs of its customers, so Hyster® Reach Trucks are optimised to meet the needs of specific applications. Flexibility in design and smart technology enable us to tailor the truck to meet your exact operations. Our range of options ensures that you do not have to compromise on the specification you need to satisfy your customers.

## Frame options

- Four chassis shapes
- Three sizes
- Integrated cold store

## Masts, fork carriages

- Three stage standard and heavy duty
- Five options with a height range from 4.65 to 12.75m
- Auto sideshift for TouchPoint™ and joystick
- Auto fork levelling for TouchPoint™ and joystick



## Overhead guard options

- 1 Standard width compartment
- 2 Narrow compartment (only for R1.6N)
- 3 Drive-in (width: 900mm, height: 1700mm; also for R1.6N)
- 4 Drive-in (width: 900mm, height: 1400mm; also for R1.6N)

## Overhead guard protection options

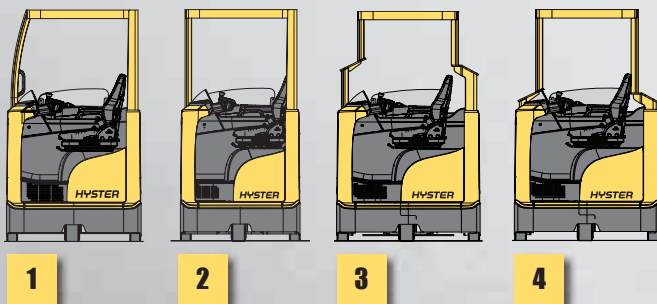
- Lexan (height increase of operator compartment: +30 mm)
- Mesh grid (grid spacing: 15mm; height increase of operator compartment: +20mm)
- Metal grid for cold store cab

## Side extraction battery option

- Side extraction (roll-off/roll-off)
- For use in conjunction with manual and/or power assisted solutions
- Allows rapid battery changeover

## Extendable forks - double deep option

- Hydraulically operated fork attachment
- Extends forks / load into a 2nd deep storage location in the racking
- Up to a 30% increase in storage capacity while maintaining operational flexibility for other in-aisle traffic



### THE INSIDE STORY: PERFORMANCE INDICATORS

“A reach truck tailor made for every warehouse application.”

## Weight Indicator Option

- Measures and indicates load weight on the forks through a load cell
- Accuracy:  $\pm 10$  kg at a minimum load weight of 100 kg
- Readout on display (standard display as well as premium display)
- Allows operator to check that load is within nominal / residual capacity range of the truck
- Enhanced operator attention and confidence, especially when lifting heavier loads to height

## Operator cold store cabin option

- Special cabin design for the use in a cold store environment
- Available for standard and narrow chassis versions
  - Increased operator comfort in cold store environment
  - Driver can work for prolonged periods inside the cold store
  - No need for cumbersome cold store clothing
- Increased productivity
- Integrated bolt-on component (4 bolts)
- Enhanced all-round visibility
- Venting and air circulation arrangement directs warm airflow to door and mast side windows, foot well, operator's shoulders and back
- Heads up control console for heater and demister
  - Window material options
  - Polycarbonate, heated
  - Polycarbonate, unheated
  - Safety glass, heated
  - Safety glass, unheated
- For increased foot room, the operator presence pedal is replaced by a seat presence switch and a cabin door interlock
- Interior light with automatic dimmer (option?)
- Emergency exit incorporated in overhead guard
- Minimum battery capacity: 560 Ah

Note: Cold store cabin is 16 mm higher than standard cabin and increases truck length by 145 mm



**THE INSIDE STORY: VIEW FROM THE CAB**  
"Great to drive."

## Additional options:

- Roof protection: Grid protection; increases h1 by 71mm
- Work lights for fork side and driver side
- Intercom

# HYSTER® DEALERS



Contact your nearest Hyster Dealership  
by visiting [www.hyster.com.au](http://www.hyster.com.au)



Contact your local Hyster Dealer

## HYSTER ASIA PACIFIC

1 Bullecourt Avenue, Milperra NSW, Australia 2214

Tel: +61 (2) 9795 3800 Fax: +61 (2) 9792 8484

No. 49, Jalan Astaka V8/84A, Bukit Jelutong,  
40150 Shan Alam, Selangor, Malaysia

Tel: +603 7831 3385

[hyster.com/pacific/en-au](http://hyster.com/pacific/en-au)


[hyster.com/asia/en-sg](http://hyster.com/asia/en-sg)



/Hysterasiapacific



@Hyster\_AP

 is a Registered Trademark.

HYSTER is a Registered Trademark. STRONG PARTNERS. TOUGH TRUCKS. EZXCHANGE, HSM and VISTA are trademarks in the United States and certain other jurisdictions. © Hyster Asia Pacific 2016. All rights reserved. Printed in Australia. Specifications and details in this brochure are subject to change without prior notification. Please consult with your Hyster dealer for the most up to date information and to confirm exact capacities.  
3990097 Rev. 04-09/15-TLC

**HYSTER.COM.AU**