ELECTRICS RANGE
COUNTERBALANCED LIFT TRUCKS
1 000-5 500 kg
GET MORE:

DEPENDABILITY
LOW COST OF OWNERSHIP
ERGONOMICS
PRODUCTIVITY
SERVICEABILITY

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The latest generation of Hyster electric forklifts are at the forefront of technology in terms of their ability to deliver low cost of ownership and low energy consumption. They offer a total solution to the needs of a vast array of industries and applications, where clean environmental conditions are critical. They work indoors or outdoors, day or night, even 24 hours a day.

Hyster Electrics deliver the right energy balance to your operation - this means they can match your need for performance with your need to save energy to give you the most cost effective solution.

In addition, the Hyster “XN” range of Electric forklift trucks offer:

- **Excellent choice**, with models from 1.5-5.5 tonnes and a variety of model configurations to suit your application.
- **Enviable manoeuvrability** for fast turnaround in congested loading bays or narrow aisles in warehouses.
- **Ergonomic innovation** with driver features that deliver unsurpassed productivity.
- **Environment friendly**, zero emission energy.
- **Extended battery shift life**, a choice of battery configurations and side battery extraction manages energy efficiently.

Your complete solution includes a commitment to the highest quality from a global company with extensive resources, including the most comprehensive dealer support network in the industry.
We know that our customers don’t want lift trucks. They want a complete solution to their materials handling needs. They want high productivity and throughput without the worry, leaving them to concentrate on their core business.

The "XN" range of Hyster Electric forklift trucks contribute significantly to our total solution to your needs. They deliver energy efficient performance that backs up our low cost of ownership promise.

With Hyster you get the benefit of the global resources of a world leading supplier combined with expert advice, financial solutions and world class customer support from our extensive dealer network.

Whether you need support in one location or need to address the complexities of multiple sites across international boundaries, Hyster has the capability to keep your business running smoothly.

GET MORE SOLUTIONS.
GET IN TOUCH WITH STRONG PARTNERS AND TOUGH TRUCKS.
WWW.HYSTER.EU
The latest generation Hyster Electrics, like all Hyster products are designed to deliver supreme dependability and low cost of ownership.

1. **LED Lights**
   Bright and longer lasting lights; including front and rear working lights, side markers, direction indicators, reverse, brake and tail lights.

2. **Operator compartment**
   Ergonomically designed operator compartment enhances overall productivity. Features include: increased foot space and optimised step height for easy entry and exit; fully adjustable, full suspension seat with low whole body vibration levels; infinitely adjustable steering column with memory 3H and telescopic steering wheel and low effort e-hydraulic controls.

3. **Swivel seat and reverse grab handle with integrated horn button**
   Ideal for any application where reverse travel is essential.

4. **Zero turning radius steer axle**
   For increased stability over uneven surfaces and superb manoeuvrability in tight aisles.

5. **Overhead guard**
   The unique grid style pattern maintains high visibility whilst offering the highest operator protection.

6. **Seat-side 2-way adjustable, comfort armrest**
   With integrated directional control, horn and emergency stop button. For enhanced comfort and control, reducing operator fatigue.

7. **Ergonomically orientated Touchpoint™ Mini-levers**
   With contoured palm rest for the ultimate in handling ease.

8. **Parameter VSM™ (Vehicle System Manager)**
   All vehicle systems are managed electronically to optimise performance and significantly increase overall reliability. Enhances diagnostic capabilities for maximum uptime and enables customisation of truck performance to suit application needs.

9. **Removable two-piece floor plate**
   Provides excellent service access. A non-slip moulded rubber floor mat reduces noise and vibration in the operator compartment.

10. **Oil immersed brakes**
    The disc brakes are housed in a sealed unit protecting them from contamination and damage, especially important when working in hostile environments. This results in extraordinary truck dependability, virtually eliminating maintenance and repair costs.

11. **Side battery extraction**
    The fastest and easiest way to manage battery changing.

12. **Redesigned mast**
    Redesigned mast incorporates new chain placement and hose routings that maximise fork visibility for the driver and reliable, high performance lifting. A ‘Return to set tilt’ feature is available with the mini-lever control package.

13. **‘Heads-up’ display**
    Quick and easy at a glance display frees up driver field of vision.

14. **HSM – Hyster Stability Mechanism™**
    The maintenance-free mechanical stability system reduces truck lean when travelling over obstacles, increasing driver confidence and productivity.
What is e-Balance?
It means giving you no more or no less power than you need. The perfect e-Balance is where you get the maximum productivity for the minimum energy consumption.

A variety of configurations and truck settings enable the truck to be tailored to your precise application needs, which means lowest energy consumption, competitive productivity and the lowest overall cost of operation.

The Lowest Energy Consumption
The JXNT and JXN ranges consume the least energy, compared with other trucks in their class.

The “XN” range of forklifts have been tested according to VDI 2198 against key competitors and are clear winners on energy consumption. Saving energy not only lowers your cost of operation but also reduces carbon emissions, which is beneficial to the environment.

You can choose from two levels of performance in one truck:
- Energy Low setting (eLo)
  - Gives class leading lowest energy consumption whilst maintaining competitive performance
- High Performance setting (HiP)
  - Maximises performance of truck
  - The most productive truck on the market.
Hyster Electric trucks contribute to low cost of ownership by delivering extraordinary dependability, driver productivity, low energy consumption, low maintenance costs and serviceability.

Operator Costs
Operator costs alone can account for around 80% of the total cost of owning and running an electric lift truck. So an increase in driver productivity, plus a reduction in overall running costs of the fleet can make a significant difference to your business.

The latest ergonomic innovations make your drivers more comfortable and productive and reduce cycle times.

Dependability
Dependable transmissions with limited servicing requirements and reliable hydraulics and electronic systems ensure maximum uptime and reduced operating costs.

Energy Management
- A wide range of models and configurations from 1.5 to 5.5 tonnes allows you to match the truck to your application.
- E-Balance delivers the optimum truck performance and throughput for your operation at the lowest cost.
- The lowest energy consumption of any trucks in their class.
- Side extraction battery removal means improved energy management.

Low Maintenance
- Long term reliability means lower maintenance costs and 1000 hour service intervals.
- High quality, more durable parts, including brushless, enclosed AC traction motors save time and money.

Day or night, your trucks run for longer, keeping your running costs down and delivering faster throughput to light up your bottom line.
Hyster electric forklifts are alive with ground breaking ergonomic features that deliver maximum operator comfort and control. The result is high driver confidence that inspires increased energy efficiency and class-leading productivity.

**KEY FEATURES:**

**01 Driver Comfort**
- Fully adjustable, full suspension seat for superior comfort.
- Suspension setting is easily adjustable with clear view weight indicator.
- Dual armrest with built-in minilever module, or alternative seat side manual levers.
- Generous foot space and pedal arrangement.
- Optional swivel seat (12° to the right and 5° to the left) ensures comfortable driving posture when travelling in reverse.

**02 Extensive testing** (EN 13059 test) has demonstrated how the seat reduces whole body vibration levels (WBV). The J1.6XNT recorded a WBV of 0.55 m/s² and the J2.5XN a WBV of 0.6 m/s², both 100% less than EU permitted maximum. The reduction in WBV significantly reduces operator fatigue and optimises productivity.

**03 Graph** shows the results of a pressure mapping comparison between the Hyster seat and a leading competitor’s seat, which demonstrates that the Hyster seat offers class leading comfort.

**04 Fully adjustable steering column** with both tilt and telescopic adjustments.

**05 Synchronised steering** ensures that the steering knob always defaults to a position selected by the operator, when travelling in a straight line.

**06 Heads-up display**, increases the driver’s field of vision.

**07 1.5 & 1.6T models** are available with a Vista Plus mast, with 300mm between mast channels.

**08 A reverse grab handle** with integrated horn button enhances driver comfort and truck control when travelling in reverse.

**09 Easy to use 3-point entry design**

10 A choice of weather protection options promotes a comfortable working environment, whatever the conditions.
Many applications require trucks to run for 2 or even 3 shifts a day, operating around the clock. That means sustained productivity and the number of loads that can be moved per operator, per hour, is a key measure for all operations.

Hyster delivers high levels of productivity by providing robust, user friendly trucks, designed to give optimum performance. With new controllers, powerful AC motors, superb ergonomics and best-in-class manoeuvrability they can perform for longer and use less power.

**GET MORE...**
- Powerful performance with AC technology
- Fast acceleration and travel speeds
- Fast lifting and lowering speeds
- Energy efficiency so your trucks work harder for longer

**GET MORE PERFORMANCE**
- Powerful performance with AC technology
- Fast acceleration and travel speeds
- Fast lifting and lowering speeds
- Energy efficiency so your trucks work harder for longer

**MANOEUVRABILITY**

Aisle width comparison 1.6T, 3-wheel, short wheelbase
- Compact turning radius for fast manoeuvring in tight or congested spaces.
- A tight turning radius speeds up load handling.

Aisle width comparison 1.6T, 4-wheel, medium wheelbase
- Hyster Zero Turning Radius steer axle provides '3 wheel truck manoeuvrability' on a 4 wheel truck.
- A tight turning radius speeds up load handling.
The Hyster "XN" range of electric forklift trucks have been developed using the highest quality research and development, testing and manufacturing resources in the world. They have the pedigree of the only global supplier of materials handling equipment, with over 80 years of experience, so you can rely on performance that lasts.

**MORE DEPENDABILITY AND SERVICEABILITY**

**GET MORE DEPENDABILITY**
- A strong, compact chassis construction
- Robust mast design with excellent visibility
- Unique design steer axle
- Advanced thermal protection
- VSM (Vehicle System Manager) and CANbus communication system detect faults and can anticipate maintenance needs
- High level of protection against ingress of water and dust particles

**MORE SERVICEABILITY**
- Hyster electric trucks have the best serviceability in the industry, with long service intervals. When periodic maintenance is required, access to all components is quick and easy.

**GET MORE SERVICEABILITY**
- Advanced information display, facilitates fault finding and quick diagnostics
- VSM manages and monitors all truck systems
- Excellent service access

- Maintenance free components
- Reduced maintenance transmissions
- Oil-immersed brakes
- AC motors on traction and hoist
- Hall effect sensors
- CANbus technology
- A start up checklist and pin code access allow precise management and control of the fleet.

**BEST SERVICEABILITY**

<table>
<thead>
<tr>
<th>Serviceability</th>
<th>Hyster J1.6-2.0XN</th>
<th>Comp 1</th>
<th>Comp 2</th>
<th>Comp 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best in class serviceability</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(SAE) score</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance free transmission</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Diagnostics through dash display</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hydraulic fluid tank in rear compartment</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Easily removable floor plate</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

*Comparisons according to SAE (Society of Automotive Engineers) J817*
### J1.5-2.0XNT - Product Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Wheelbase</th>
<th>Side Extraction</th>
<th>High Chassis</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1.5XNT</td>
<td>1500</td>
<td>•</td>
<td>•</td>
<td>Option</td>
</tr>
<tr>
<td>J1.6XNT</td>
<td>1600</td>
<td>• •</td>
<td>•</td>
<td>Option</td>
</tr>
<tr>
<td>J1.8XNT</td>
<td>1800</td>
<td>• • •</td>
<td>•</td>
<td>Option</td>
</tr>
<tr>
<td>J2.0XNT</td>
<td>2000</td>
<td>• • •</td>
<td>•</td>
<td>Option</td>
</tr>
</tbody>
</table>

- **S** = Short wheel base
- **M** = Medium wheel base
- **L** = Long wheel base

**Battery Option**

<table>
<thead>
<tr>
<th>Wheelbase</th>
<th>Length l2</th>
<th>Battery Compartment</th>
<th>Standard Din 43531</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>1607 mm</td>
<td>546 mm</td>
<td>595 - 625 Ah</td>
</tr>
<tr>
<td>M</td>
<td>1920 mm</td>
<td>642 mm</td>
<td>675 - 725 Ah</td>
</tr>
<tr>
<td>L</td>
<td>2071 mm</td>
<td>750 mm</td>
<td>690 - 750 Ah</td>
</tr>
</tbody>
</table>

**Battery Option**: DIN 43531 A boxes possible with side extraction

### J1.6-2.0XN - Product Range

<table>
<thead>
<tr>
<th>Model</th>
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<tr>
<td>J1.6XN</td>
<td>1600</td>
<td>• • •</td>
<td>•</td>
<td>Option</td>
</tr>
<tr>
<td>J1.8XN</td>
<td>1800</td>
<td>• • •</td>
<td>•</td>
<td>Option</td>
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<td>J2.0XN</td>
<td>2000</td>
<td>• • •</td>
<td>•</td>
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- **S** = Short wheel base
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**Battery Option**

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</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>1605 mm</td>
<td>546 mm</td>
<td>595 - 625 Ah</td>
</tr>
<tr>
<td>M</td>
<td>1901 mm</td>
<td>642 mm</td>
<td>675 - 725 Ah</td>
</tr>
<tr>
<td>L</td>
<td>2088 mm</td>
<td>750 mm</td>
<td>690 - 750 Ah</td>
</tr>
</tbody>
</table>

**Battery Option**: DIN 43531 A boxes possible with side extraction

### J2.2-3.5XN - Product Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Wheelbase</th>
<th>Side Extraction</th>
<th>High Chassis</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2.2XN</td>
<td>2200</td>
<td>• • •</td>
<td>•</td>
<td>n/a</td>
</tr>
<tr>
<td>J2.5XN</td>
<td>2500</td>
<td>• • •</td>
<td>•</td>
<td>n/a</td>
</tr>
<tr>
<td>J3.0XN</td>
<td>3000</td>
<td>• • •</td>
<td>•</td>
<td>n/a</td>
</tr>
<tr>
<td>J3.5XN</td>
<td>3500</td>
<td>• • •</td>
<td>•</td>
<td>n/a</td>
</tr>
</tbody>
</table>

- **S** = Short wheel base
- **L** = Long wheel base

**Battery Option**

<table>
<thead>
<tr>
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<th>Length l2</th>
<th>Battery Compartment</th>
<th>Standard Din 43531</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>2206 mm</td>
<td>717 mm</td>
<td>560 - 620 Ah</td>
</tr>
<tr>
<td>L</td>
<td>2480 (1.5-3.0T), 2570 (3.5T) mm</td>
<td>881 mm</td>
<td>700 - 775 Ah</td>
</tr>
</tbody>
</table>

**Battery Option**: DIN batteries only

### HIGHLIGHTS & OPTIONS

#### Cost of Ownership Highlights & Options
- Sealed AC motor and controllers
- Oil immersed disc brakes
- High thermal capacity
- VSM (Vehicle System Manager) for diagnostics and control
- LED lights
- Ease of service access
- Extended service intervals

#### Ergonomics Highlights & Options
- 80mm full suspension seat with armrests
- TouchPoint™ mini-levers (optional) and armrest with integrated directional control and horn
- Swivel seat
- Reverse grab handle with integrated horn
- Contoured, infinitely adjustable steering column
- Telescopic steering wheel adjustment, synchronous steering, memory tilt (optional)
- Dashboard with clipboard holder, storage pockets, beverage holder, optional 12V power outlet. Front wiper motor incorporated in cowl on Cab version.
- Automatic park brake
- Auto-regenerative braking
- Monotrol pedal
- Heads up display
- Side battery extraction
- Vista+ masts on 1.5 and 1.6 tonne trucks
- Hyster Stability Mechanism

#### Productivity Highlights & Options
- Dual AC drive
- Auto regenerative braking
- AC hoist motors
- ZTR (Zero turning radius) steer axle on 4-wheel J1.6-2.0XN models
- Choice of battery capacities
- Compact chassis lengths
- Side extraction battery capability
- eCo or HiP settings
- Low energy consumption

#### Dependability Highlights & Options
- AC motors on traction and hoist
- Low maintenance transmission
- Oil immersed disc brakes
- Half effect sensors
- Controllers protected against ingress of water and debris
- LED work lights
- H-class insulation on drive motors
- External encoders
- Intelligent cooling
- Steel covers
- Durable trim

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Hyster has been an established player in the electric counterbalanced market for almost forty years and in the warehouse equipment market for over 10 years. The electric counterbalanced offering includes a comprehensive range of models from 1 to 5.5 tonnes, including both pneumatic and solid tyre products. We also offer both front and rear wheel drive designs in the 3-wheel electric 1 to 2 tonne category.

**A1.3XNT, A1.5XNT**
- 1 300-1 500 kg @ 500 mm
- Streamlined design with 3 wheel configuration
- Rear-wheel drive
- E-hydraulic control options
- Tight aisle widths
- 1m wide to allow block stacking
- High visibility mast

**J1.5XNT, J1.6XNT, J1.8XNT, J2.0XNT**
- 1 500-2 000 kg @ 500 mm
- Streamlined design with 3 wheel configuration
- Front wheel drive
- E-hydraulic control options
- Tight aisle widths
- Best in class energy consumption
- High visibility mast

**A1.3XNT, A1.5XNT**
- 1 300-1 500 kg @ 500 mm
- Streamlined design with 3 wheel configuration
- Rear-wheel drive
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**J1.5XNT, J1.6XNT, J1.8XNT, J2.0XNT**
- 1 500-2 000 kg @ 500 mm
- Streamlined design with 3 wheel configuration
- Front wheel drive
- E-hydraulic control options
- Tight aisle widths
- Best in class energy consumption
- High visibility mast

**J1.6XN, J1.8XN, J2.0XN**
- 1 600-2 000 kg @ 500 mm
- Streamlined design with 4 wheel configuration
- E-hydraulic control options
- Zero turning radius steer axle
- IC performance in an electric truck

**E1.6XN, E1.8XN, E2.0XN**
- 1 600-2 000 kg @ 500 mm
- 48V with AC motors throughout
- 1.6t working aisle width = 3216mm
- 1m wide to allow block stacking
- 18km/h top speed & 0.53 m/s max lift speed

**J2.2XN, J2.5XN, J3.0XN, J3.5XN**
- 2 200-3 500 kg @ 500 mm
- AC drive and hoist motors with customizable performance settings
- Extended battery shift life and optional side battery removal
- Best in class performance and energy consumption
- On-board diagnostics and easy unrestricted service access
- Ergonomically designed operator compartment

**E2.2XN, E2.5XN, E3.0XN, E3.2XN, E3.5XN**
- 2 200-3 500 kg @ 500 mm
- Compact design and cushion tyres ideal for indoor applications
- AC drive and hoist motors with customizable performance settings
- Extended battery shift life and optional side battery removal
- Easy unrestricted service access with on-board diagnostics
- Ergonomically designed operator compartment

**J1.6XN, J1.8XN, J2.0XN**
- 1 600-2 000 kg @ 500 mm
- Streamlined design with 4 wheel configuration
- E-hydraulic control options
- Zero turning radius steer axle
- IC performance in an electric truck

**E1.6XN, E1.8XN, E2.0XN**
- 1 600-2 000 kg @ 500 mm
- 48V with AC motors throughout
- 1.6t working aisle width = 3216mm
- 1m wide to allow block stacking
- 18km/h top speed & 0.53 m/s max lift speed

**J4.0XN, J4.5XN, J5.0XN, J5.0XN6, J5.5XN6**
- 4 000-4 999 KG @ 500 mm, 5 000-5 500 KG @ 600 mm
- AC drive and hoist motors with customizable performance settings
- Extended battery shift life and optional side battery removal
- IC performance in an electric truck
- On-board diagnostics and easy unrestricted service access
- Ergonomically designed operator compartment

**E4.0XN, E5.0XNS, E5.0XN, E5.50XN**
- 4 000-5 000 kg @ 500 mm, 5 500 kg @ 600 mm
- Compact design and cushion tyres ideal for indoor applications
- On-board diagnostics and easy unrestricted service access
- 20km/h top speed & 0.60 m/s max lift speed
- 675 Ah 80V battery as standard
- Ergonomically designed operator compartment
Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.