



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **THREE-WHEEL ELECTRIC COUNTERBALANCED LIFT TRUCKS**

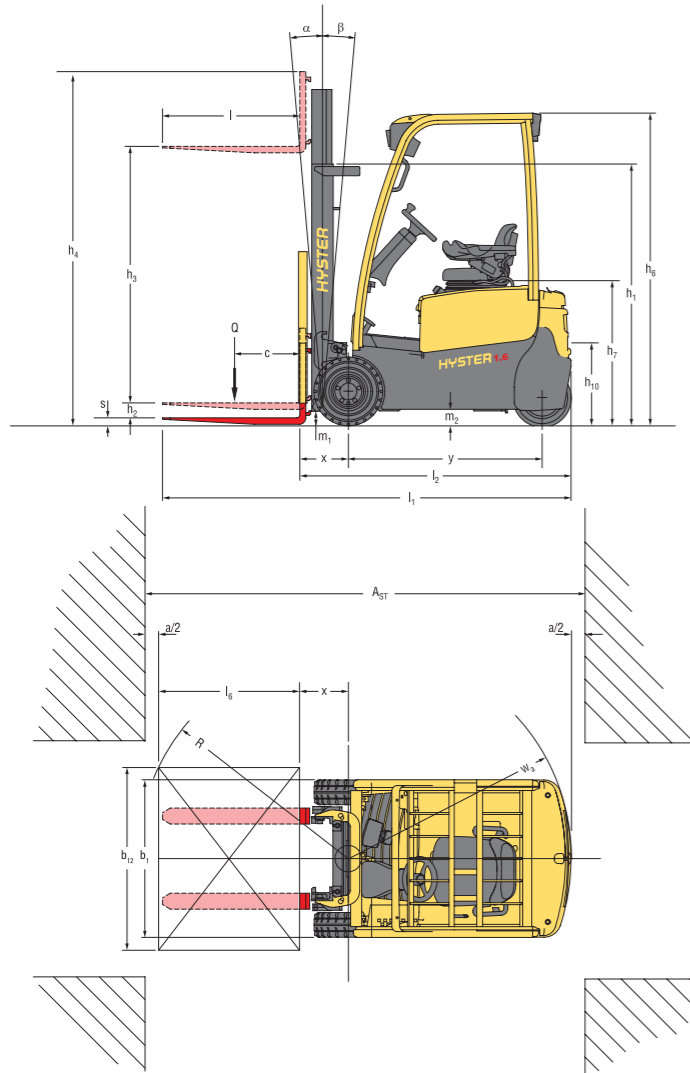
**J1.5-2.0XNT**

**1 500-2 000 KG**





## TRUCK DIMENSIONS



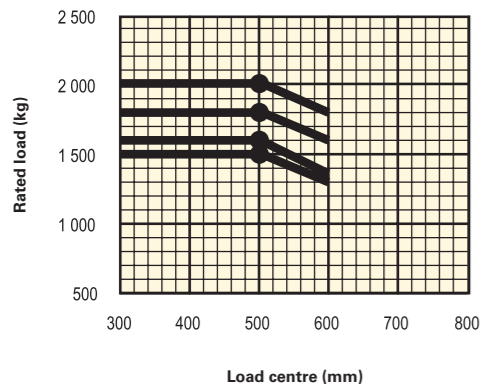
● = Centre of gravity of unladen truck  
 Ast =  $Wa + R + a$  (see lines 4.34.1 & 4.34.2)

a = Minimum operating clearance  
 (VDI standard = 200 mm  
 BITA recommendation = 300 mm)

$$R = \sqrt{(l_6 + x)^2 + \left(\frac{b_{12} - b_{13}}{2}\right)^2}$$

$l_6$  = Load length

## RATED CAPACITIES



J2.0XNT  
 J1.8XNT  
 J1.6XNT  
 J1.5XNT

**Load centre**  
 Distance from front forks to centre of gravity of load.  
**Rated load**  
 Based on vertical masts up to 3 430mm to top of forks.

### NOTE:

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

- Max. battery
- ¶ Bottom of forks
- Full suspension seat specified. Standard Hood specified. 953mm with raised hood.
- + Without load backrest
- add 32mm with load backrest
- h6 subject to +/- 5 mm tolerance
- ◇ maximum flow set through dash display.
- △ HiP performance
- ▲ min/max
- ❖ Overall width 1116 mm with required 200/50-10 tyres fitted for masts 5000mm and over.
- ❖ Value shown for vertical battery removal; horizontal battery removal has 90 mm of clearance at center of wheelbase.
- ◆ Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- ⊙ LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053

### MAST TABLES KEY:

- ★ Add 721mm with load backrest extension
- ▲ Deduct 723mm with load backrest extension.
- \* Add 723mm with load backrest extension.
- \* Add 656mm with load backrest extension.
- ❖ Add 655mm with load backrest extension
- Deduct 655mm with load backrest extension.
- ◆ Tilt speed reduced to 1° per second by mechanical tilt speed restrictors for mast heights 5000mm and above.

### NOTICE

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated

Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products might be subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

### CE Safety:

This truck conforms to the current EU requirements.

## MAST AND CAPACITY INFORMATION

Values shown are for standard equipment. When using non-standard equipment these values may change. Please contact your Hyster dealer for information.

### VISTA PLUS MASTS J1.5-1.6XNT

	Maximum Fork Height (mm) (h <sub>3</sub> + s)	Back Tilt	Overall Lowered Height (mm)	Overall Extended Height (mm)	Free lift (top of forks) (mm) (h <sub>2</sub> + s)
Vista Plus 2-Stage limited free lift	3360	5°	2230	3868 ★	140
	3860	5°	2580	4368 ★	140
	4360	5°	2830	4868 ★	140
	4860	5°	3180	5386 ★	140
Vista Plus 3-Stage full free lift	4600	5°	2080	5108 *	1572 ▲
	4900	5°	2180	5408 *	1672 ▲
	5200 ◆	5°	2330	5708 *	1822 ▲
	5500 ◆	5°	2430	6008 *	1922 ▲

### VISTA MASTS J1.5-2.0XNT

	Maximum Fork Height (mm) (h <sub>3</sub> + s)	Back Tilt (°)	Overall Lowered Height (mm)	Overall Extended Height (mm)	Free lift (top of forks) (mm) (h <sub>2</sub> + s)
Vista 2-Stage limited free lift	3432	5°	2180	4006 *	140
	3932	5°	2530	4506 *	140
	4432	5°	2780	5006 *	140
	4932	5°	3130	5506 *	140
Vista 2-Stage full free lift	3218	5°	2080	3728 ❖	1505 ●
	3718	5°	2330	4228 ❖	1755 ●
	4338	5°	2680	4847 ❖	2105 ●
Vista 3-Stage limited free lift	4600	5°	2030	5175 ❖	1455 ●
	4900	5°	2130	5375 ❖	1555 ●
	5200 ◆	5°	2280	5775 ❖	1705 ●
	5500 ◆	5°	2380	6075 ❖	1805 ●

### J1.5-1.6XNT - Vista Plus capacity chart in kg @ 500 mm load centres

	Max fork height (mm)	Pneumatic Shaped Solid Tyres							
		WITHOUT sideshift				WITH integral sideshift			
		J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)
Vista Plus 2-Stage limited free lift	3360	1 500	1 600	1 600	1 600	1 500	1 600	1 600	1 600
	3860	1 500	1 600	1 600	1 600	1 500	1 600	1 600	1 600
	4360	1 480	1 580	1 580	1 580	1 480	1 580	1 580	1 580
	4860	1 390	1 490	1 490	1 500	1 390	1 490	1 490	1 500
Vista Plus 3-Stage full free lift	4600	1 450	1 540	1 540	1 550	1 450	1 540	1 540	1 550
	4900	1 390	1 490	1 490	1 500	1 390	1 490	1 490	1 500
	5200 ◆	1 340	1 430	1 320	1 330	1 340	1 360	1 250	1 260
	5500 ◆	1 280	1 130	1 060	1 080	1 240	1 070	1 000	1 010

### J1.5-1.6XNT - Vista Plus capacity chart in kg @ 600 mm load centres

	Max fork height (mm)	Pneumatic Shaped Solid Tyres							
		WITHOUT sideshift				WITH integral sideshift			
		J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)
Vista Plus 2-Stage limited free lift	3360	1 300	1 450	1 450	1 450	1 300	1 450	1 450	1 440
	3860	1 300	1 450	1 450	1 450	1 300	1 450	1 450	1 450
	4360	1 280	1 430	1 430	1 430	1 280	1 430	1 430	1 430
	4860	1 210	1 350	1 350	1 360	1 210	1 350	1 350	1 360
Vista Plus 3-Stage full free lift	4600	1 300	1 450	1 450	1 450	1 300	1 450	1 450	1 440
	4900	1 250	1 400	1 400	1 400	1 250	1 400	1 400	1 400
	5200 ◆	1 210	1 350	1 350	1 360	1 210	1 350	1 340	1 350
	5500 ◆	1 160	1 300	1 300	1 310	1 160	1 290	1 250	1 260

◆ Tilt speed reduced to 1° per second by mechanical tilt speed restrictors for mast heights 5000mm and above.

**NOTE:** The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift and, depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

## MAST AND CAPACITY INFORMATION

Values shown are for standard equipment. When using non-standard equipment these values may change. Please contact your Hyster dealer for information.

**J1.5-2.0XNT** - Vista capacity chart in kg @ 500 mm load centres

	Max fork height (mm)	Pneumatic Shaped Solid Tyres															
		WITHOUT sideshift								WITH integral sideshift							
		J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.8XNT (MWB)	J1.8XNT (LWB)	J2.0XNT (MWB)	J2.0XNT (LWB)	J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.8XNT (MWB)	J1.8XNT (LWB)	J2.0XNT (MWB)	J2.0XNT (LWB)
Vista 2-Stage limited free lift	3432	-	1 600	1 600	1 600	1 800	1 800	2 000	2 000	-	1 600	1 600	1 600	1 800	1 800	1 990	1 990
	3932	-	1 600	1 600	1 600	1 800	1 800	2 000	2 000	-	1 600	1 600	1 600	1 800	1 800	1 980	1 980
	4432	-	1 580	1 580	1 580	1 780	1 780	1 980	1 980	-	1 580	1 580	1 580	1 780	1 780	1 950	1 950
	4932	-	1 490	1 490	1 500	1 580	1 580	1 570	1 560	-	1 490	1 490	1 500	1 540	1 540	1 520	1 520
Vista 2-Stage full free lift	3218	1 500	1 600	1 600	1 600	1 800	1 800	2 000	2 000	1 500	1 600	1 600	1 600	1 800	1 800	2 000	2 000
	3718	1 500	1 600	1 600	1 600	1 800	1 800	2 000	2 000	1 500	1 600	1 600	1 600	1 800	1 800	1 990	1 990
	4338	1 500	1 600	1 600	1 600	1 800	1 800	2 000	2 000	1 500	1 580	1 600	1 600	1 800	1 800	1 960	1 980
Vista 3-Stage full free lift	4600	-	1 570	1 570	1 570	1 770	1 770	1 970	1 970	-	1 550	1 570	1 570	1 770	1 770	1 930	1 950
	4900	-	1 520	1 520	1 520	1 710	1 710	1 780	1 910	-	1 510	1 520	1 520	1 710	1 710	1 720	1 880
	5200 ♣	-	1 380	1 260	1 280	1 650	1 650	1 490	1 670	-	1 320	1 200	1 210	1 650	1 650	1 440	1 600
	5500 ♣	-	1 090	1 000	1 030	1 590	1 440	1 250	1 420	-	1 030	950	970	1 550	1 370	1 200	1 360

**J1.5-2.0XNT** - Vista capacity chart in kg @ 600 mm load centres

	Max fork height (mm)	Pneumatic Shaped Solid Tyres															
		WITHOUT sideshift								WITH integral sideshift							
		J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.8XNT (MWB)	J1.8XNT (LWB)	J2.0XNT (MWB)	J2.0XNT (LWB)	J1.5XNT (SWB)	J1.6XNT (SWB)	J1.6XNT (MWB)	J1.6XNT (LWB)	J1.8XNT (MWB)	J1.8XNT (LWB)	J2.0XNT (MWB)	J2.0XNT (LWB)
Vista 2-Stage limited free lift	3432	-	1 450	1 450	1 450	1 600	1 600	1 800	1 800	-	1 450	1 450	1 450	1 600	1 600	1 780	1 780
	3932	-	1 450	1 450	1 450	1 600	1 600	1 800	1 800	-	1 450	1 450	1 450	1 600	1 600	1 780	1 770
	4432	-	1 430	1 430	1 430	1 580	1 580	1 780	1 780	-	1 430	1 430	1 430	1 580	1 580	1 760	1 760
	4932	-	1 350	1 350	1 360	1 500	1 500	1 570	1 560	-	1 340	1 340	1 350	1 500	1 500	1 520	1 520
Vista 2-Stage full free lift	3218	1 300	1 450	1 450	1 450	1 600	1 600	1 800	1 800	1 300	1 450	1 450	1 450	1 600	1 600	1 790	1 790
	3718	1 300	1 450	1 450	1 450	1 600	1 600	1 800	1 800	1 300	1 450	1 450	1 450	1 600	1 600	1 790	1 780
	4338	1 300	1 450	1 450	1 450	1 600	1 600	1 800	1 800	1 300	1 440	1 450	1 450	1 600	1 600	1 780	1 770
Vista 3-Stage full free lift	4600	-	1 450	1 450	1 450	1 600	1 600	1 800	1 800	-	1 420	1 420	1 420	1 570	1 570	1 750	1 740
	4900	-	1 420	1 420	1 420	1 570	1 570	1 770	1 770	-	1 420	1 420	1 420	1 570	1 570	1 750	1 740
	5200 ♣	-	1 370	1 370	1 380	1 520	1 520	1 720	1 710	-	1 370	1 370	1 370	1 520	1 520	1 700	1 690
	5500 ♣	-	1 320	1 260	1 280	1 470	1 470	1 490	1 660	-	1 310	1 200	1 210	1 470	1 470	1 440	1 590

**NOTE:** The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift and, depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

## PRODUCT FEATURES

### DEPENDABILITY

- Robust and proven masts give high visibility and reliable, high performance lifting.
- Steel hoods and covers provide resistance to impact damage and general wear and tear.
- AC motor technology on traction and hoist allows the truck to work more reliably and for longer shifts, reducing downtime significantly.
- Hall-Effect sensors on transmission replace internal encoder bearing, making the truck more reliable and decreasing downtime.
- IP54 enclosed traction motors and IP65 protection of controls, prevent ingress of water and dust particles, reducing the probability of truck breakdown.
- Use of O-Ring face seals in the hydraulic system, sealed electrical connectors and LED lights, replacing light bulbs, gives maximum uptime over the product life cycle.

- E-steering system simplifies and shortens the hydraulic circuits in the truck, simplifying maintenance and reducing the opportunity for leaks.

### PRODUCTIVITY

- Front wheel AC drive motors provides smooth acceleration and excellent travel and torque performance. This is combined with powerful acceleration and auto regenerative braking to deliver precise efficient load handling.
- Compact chassis length and robust steer axle allow tight turning circles for excellent maneuverability in working aisles or congested loading/ unloading bays.
- E-steering increases productivity while maintaining excellent battery life.
- E-braking system provides service braking to be achieved using regenerative motor braking, offering increased energy efficiency, reduced energy consumption and increases uptime.

## PRODUCT FEATURES

- Battery capacity and truck wheel base can be matched to the application, optimising performance, maneuverability and battery shift life.
- Energy Low (eLo) settings are designed to assure full shift of work on each charge.
- High Performance (HiP) settings give impressive truck performance.
- Easy side extraction battery removal with 180°-fold back door, allows more uninterrupted uptime with a fast, simple exchange process to keep trucks on the move.

### ERGONOMICS

- Generous foot space, intuitive pedal arrangement and low step and hood heights offer a comfortable working space for the driver. This means on/off access and driving in reverse cause less fatigue over long shifts.
- Full suspension seat with 80mm of travel reduces truck vibrations, creating a smoother ride for the operator. Swivel seat option for operations requiring frequent reversing.
- Optional IntelligentBelt™ interlock system prevents truck from traveling until operator is seated with seat belt securely fastened to ensure that seat belt is used correctly.
- Multiple choices of Hydraulic controls:
  - Seat side manual lever control with new design manual levers for superb handling productivity.
  - The latest design adjustable TouchPoint™ armrest module with built in hydraulic controls, integrated directional control, emergency off switch and horn offers the ultimate in comfort and control.
  - New design ergonomic joystick with integrated hydraulic controls including direction change, return to set tilt and clamping, designed and positioned to provide maximum comfort for operator.
- Synchronous steering maintains the steering knob at the preferred position for the driver when driving straight increasing operator comfort and reduces fatigue.
- Steer Column is infinitely adjustable via adjustable gas spring support, optional height adjustment available.
- The memory tilt option allows the steering column to be released to the most vertical position to allow the operator to get off the truck easily. When getting back on the truck, the operator simply pulls the steer column back to the preset position.
- A choice of weather protection options promotes a comfortable working environment, whatever the conditions.

### LOW COST OF OWNERSHIP

- The right balance of performance, manoeuvrability and battery provision, matched to the application needs gives productivity and throughput at less cost.
- The Vehicle System Manager (VSM) allows adjustment of truck performance parameters as well as monitoring key functions, leading to application matched performance and low maintenance.
- Durable, quality components mean long term reliability and lower maintenance costs. Virtually maintenance free components such as brushless AC motors mean that Hyster Electrics require a full service check only after 1 000 hours.
- In-built thermal protection on traction motors and advanced cooling system protect truck components, leading to reduced maintenance costs.
- Fast delivery of diagnostic information allows precise troubleshooting, easy maintenance planning and lower costs.
- E-braking and Steering systems reduce 'wear parts' and are less vulnerable to ingress of dirt and floor debris, reducing maintenance costs.

### SERVICEABILITY

- Access to diagnostic information via the display or plug-in point on the steering column allows engineers to monitor truck conditions and plan maintenance requirements.
- Easily removable 2-piece floor plate provides easy access to power contactor, fuses and relays.
- Automatic park brake system can be released manually by activating lever arrangement underneath floor plates, reducing downtime.
- Motor, pump, controller and oil tank are located in the counterweight and are easily accessible, requiring only 2 thumb screws to be removed.

# STRONG PARTNERS. TOUGH TRUCKS.™

## FOR DEMANDING OPERATIONS, EVERYWHERE.

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.



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