



STRONG PARTNERS. TOUGH TRUCKS.



Four-Wheel Electric Counterbalanced Lift Trucks

J4.0-5.0XN

4 000-4 999kg

J4.0XN, J4.5XN, J5.0XN

CHARACTERISTICS	1.1	Manufacturer
	1.2	Model designation
	1.3	Drive: electric (battery or mains) diesel, LPG
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker
	1.5	Load capacityQ (kg)
	1.6	Load centre c (mm)
	1.8	Load distance x (mm)
	1.9	Wheelbase y (mm)

WEIGHTS	2.1	Unladen weight (max. battery)	kg
	2.2	Axle loading with load, front/rear (max. battery)	kg
	2.3	Axle loading without load, front/rear (max. battery)	kg

WHEELS & TYRES	3.1	Tyres: L = pneumatic, V = solid, SE = pneumatic-shaped solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Number of wheels, front/rear (X = driven)	
	3.6	Track width, front, standard/wide tread	b10 (mm)
	3.7	Track width, rear	b11 (mm)

DIMENSIONS	4.1	Mast tilt, forward a /back β	degrees
	4.2	Height of mast, lowered	h1 (mm)
	4.3	Free lift ¶	h2 (mm)
	4.4	Lift height ¶	h3 (mm)
	4.5	Height of mast, extended ■	h4 (mm)
	4.7	Height to top of overhead guard +	h6 (mm)
	4.8	Seat height ●	h7 (mm)
	4.12	Towing coupling height	h10 (mm)
	4.19	Overall length	l1 (mm)
	4.20	Length to face of forks	l2 (mm)
	4.21	Overall width, standard/wide tread	b1/b2 (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width ●	b3 (mm)
	4.31	Ground clearance under mast, with load	m1 (mm)
	4.32	Ground clearance at centre of wheelbase	m2 (mm)
	4.33	Aisle width with pallets 1 000 x 1 200 wide ◆	Ast (mm)
	4.34	Aisle width with pallets 800 x 1 200 long ◆	Ast (mm)
	4.35	Outer turning radius	Wa (mm)
	4.36	Inner turning radius	b13 (mm)

PERFORMANCE	5.1	Travel speed with/without load △	km/h
	5.2	Lifting speed with/without load	m/sec
	5.3	Lowering speed with/without load	m/sec
	5.5	Drawbar pull with/without load, 60 minute rating	N
	5.6	Maximum drawbar pull with/without load, 5 minute rating	N
	5.7	Gradeability with/without load, 30 minute rating †	%
	5.8	Maximum gradeability with/without load, 5 minute rating †	%
	5.9	Acceleration time with/without load △	sec
	5.10	Service brake	

POWER UNIT	6.1	Drive motor output, (S2 60 minute rating)	kW
	6.2	Lifting motor, (S3 15% rating)	kW
	6.3	Battery DIN 43531/35/36 A, B, C, no	
	6.4	Battery voltage/capacity at 5hr rate	V/ah
	6.5	Battery weight (min/max)	kg
	6.6	Power consumption in accordance with VDI cycle △	kWh/h

OTHER	8.1	Drive control	
	8.2	Working pressure for attachments	bar
	8.3	Oil flow for attachments ▽	l/min
	8.4	Average noise level at operator's ear ☉	dB(A)
	8.5	Towing coupling type	

HYSTER		HYSTER		HYSTER	
J4.0XN		J4.5XN		J5.0XN	
Battery		Battery		Battery	
Seat		Seat		Seat	
4000		4500		4999	
500		500		500	
523		523		523	
2020		2020		2020	

7384		7517		7821	
9941	1442	10737	1280	11603	1219
3916	3468	3958	3559	4070	3751

SE		SE		SE	
250 x 15		250 x 15		28 x 12.5-15	
7.00 x 12		7.00 x 12		7.00 x 12	
2X 2		2X 2		2X 2	
1110	1167	1110	1167	-	1167
1143		1143		1143	

6			6			6		
2320			2320			2320		
100			100			100		
3300			3040			3040		
4109			3855			3855		
2338			2338			2338		
1285			1285			1285		
526			526			526		
3908			3908			3908		
2908			2908			2908		
1360		1472	1360		1472	-		1472
50	125	1000	50	125	1000	50	150	1000
3A			3A			3A		
1219			1219			1219		
135			137			137		
130			130			134		
4161			4161			4161		
4336			4336			4336		
2411			2411			2411		
313			313			313		

19.0	21.0	19.0	21.0	19.0	21.0
0.44	0.60	0.38	0.47	0.36	0.47
0.53	0.48	0.45	0.37	0.45	0.37
6422	6561	6493	6640	6487	6627
17203	17725	17382	17904	17377	17891
8.1	11.8	7.7	11.7	7.3	11.3
15.6	23	14.9	22.7	14.1	22.2
5.1	4.6	5.2	4.6	5.3	4.6
Hydraulic		Hydraulic		Hydraulic	

2x 14.7		2x 14.7		2x 14.7	
36		36		36	
43536 A		43536 A		43536 A	
80	840/930	80	840/930	80	840/930
2069	2287	2069	2287	2069	2287
10.6		11.2		12.4	

AC electronic		AC electronic		AC electronic	
155		155		155	
20-40		20-40		20-40	
69		69		69	
Pin		Pin		Pin	

Specification data is based on VDI 2198

Equipment and weight:

Weights (line 2.1) are based on the following specifications: Complete truck with 3350 mm (J4.0XN) / 2990 mm (J4.5-5.0XN), 2 stage limited free lift mast, standard carriage, 1000 mm forks and load backrest, manual hydraulics and pneumatic shaped solid drive and steer tyres.

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 Masts J4.0XN

	Maximum fork height (mm) ♣	Back tilt	Overall lowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm) □
2-Stage limited free lift	3350	6°	2320	4109 ▲	150
	3650	6°	2470	4409 ▲	150
	4250	6°	2770	5009 ▲	150
	4950	6°	3220	5709 ▲	150
2-Stage full free lift	3375	6°	2320	4187 *	1514 ✖
	3675	6°	2470	4487 *	1664 ✖
3-Stage full free lift	4950	6°	2370	5762 *	1564 ✖
	5250	6°	2470	6062 *	1664 ✖
	5550	6°	2570	6362 *	1764 ✖
	6000	6°	2770	6812 *	1964 ✖

Vista Masts J4.5-5.0XN

	Maximum fork height (mm) ♣	Back tilt	Overall lowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm) □
2-Stage limited free lift	3090	6°	2320	3855 ▲	150
	3390	6°	2470	4155 ▲	150
	3990	6°	2770	4755 ▲	150
	4690	6°	3220	5455 ▲	150
	5290	6°	3620	6055 ▲	150
	5890	6°	4020	6655 ▲	150
2-Stage full free lift	3560	6°	2470	4371 *	1658 ✓
3-Stage full free lift	4835	6°	2370	5647 *	1558 ✓
	5135	6°	2470	5947 *	1658 ✓
	5435	6°	2570	6247 *	1758 ✓

J4.0XN - CAPACITY CHART in kg @ 500 and 600 mm Load Centres

	Pneumatic Shaped Solid Tyres				
	Maximum fork height (mm) ♣	Without sideshift		With integral sideshift	
		J4.0XN 500mm LC	J4.0XN 600mm LC	J4.0XN 500mm LC	J4.0XN 600mm LC
2-Stage limited free lift	3350	4000	3500	4000	3500
	3650	4000	3500	4000	3500
	4250	4000	3500	3990	3500
	4950	4000	3500	3950	3500
2-Stage full free lift	3375	4000	3500	4000	3500
	3675	4000	3500	4000	3500
3-Stage full free lift	4950	4000	3500	3980	3500
	5250	4000	3500	3970	3500
	5550	4000	3500	3970	3500
	6000	3890	3410	3850	3410

Note: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer.

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.

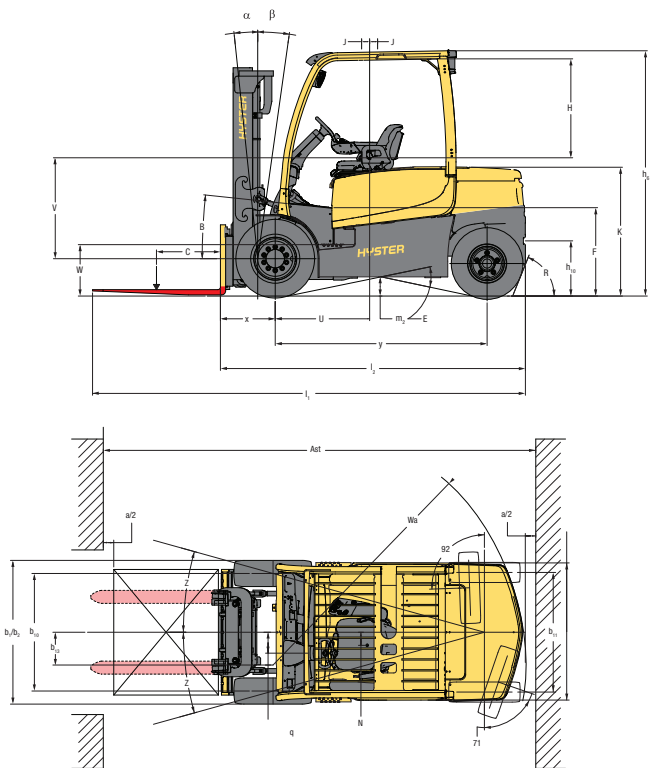
J4.0XN = 50x120x1000 mm forks

J4.5-5.0XN - CAPACITY CHART in kg @ 500 and 600mm Load Centres

	Pneumatic Shaped Solid Tyres								
	Maximum fork height (mm) ♣	Without sideshift				With integral sideshift			
		J4.5XN 500mm LC	J4.5XN 600mm LC	J5.0XN 500mm LC	J5.0XN 600mm LC	J4.5XN 500mm LC	J4.5XN 600mm LC	J5.0XN 500mm LC	J5.0XN 600mm LC
2-Stage limited free lift	3090	4500	4100	4990	4500	4480	4090	4910	4490
	3390	4500	4100	4990	4500	4470	4080	4900	4480
	3990	4500	4100	4990	4500	4450	4060	4880	4460
	4690	4500	4100	4910	4410	4410	4030	4760	4350
	5290	4410	4020	4700	4240	4300	3920	4540	4150
	5890	4260	3890	4450	4040	4130	3770	4300	3930
2-Stage full free lift	3560	4500	4100	4990	4500	4500	4100	4970	4500
3-Stage full free lift	4835	4440	4050	4790	4310	4390	4020	4690	4290
	5135	4380	3990	4690	4220	4320	3950	4580	4190
	5435	4310	3930	4590	4130	4240	3880	4470	4090

J4.5XN = 50x120x1000 mm forks J5.0XN = 50x150x1000 mm forks

J4.0-5.0XN Truck Dimensions



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

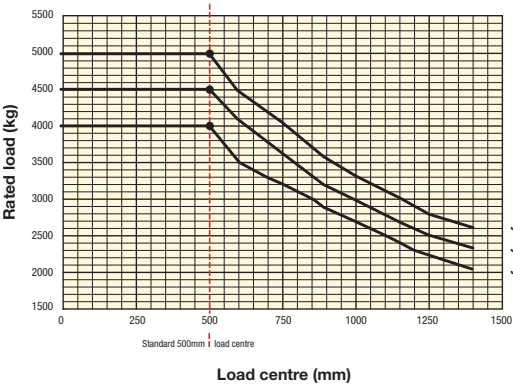
$$A_{st} = W_a + R + a \text{ (see lines 4.33 \& 4.34)}$$

a = Minimum operating clearance
(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

l₆ = Load Length

Dimensions (mm)	J4.0XN	J4.5XN	J5.0XN
d	683	684	670
f	939	947	966
k	490	490	490
n	1007	1007	1007

Rated Capacities



Load centre
Distance from front forks to centre of gravity of load.

Rated load
Based on 3-stage full free lift vertical masts up to 4600mm 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. If these specifications are critical, the proposed application should be discussed with your dealer.
- ◆ Stacking aisle width (lines 4.33 & 4.34) are based on the V.D.I. 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
 - ¶ Bottom of forks
 - Full suspension seat specified
 - Without load backrest
 - add 30mm with load backrest
 - + h6 subject to +/- 5 mm tolerance
 - ▽ Variable.
 - △ With eLo performance setting

- Tables Key:**
- ❖ Max fork height = h3+s
 - Freelift (top of forks) = h2+s
 - ▲ Add 482mm with load backrest extension.
 - ✕ Deduct 435mm with load backrest extension.
 - ✱ Add 435mm with load backrest extension.
 - ✓ Add 429mm with load backrest extension.
 - * Deduct 429mm with load backrest extension.

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 adhere to the instructions contained in the Operating Manual.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.

Safety:
This truck conforms to the current EU requirements.

Product Features

The J4.0-5.0XN is designed to handle the loads found in tough indoor or outdoor applications such as timber processors and handlers, automotive manufacturers, paper/pulp, beverage / bottle handling and breweries / distilleries, metal works and fabricators, cargo storage and warehousing, building and construction. Offers many functions and features, including eLo and HiP performance settings and high mounted multi feature dash display which can be found on the successful J2.2-3.5XN series.

Dependability

- Part of the successful XN range that has brought you industry leading reliability
- Strong construction and proven components ensure long term reliability and durability e.g. VSM (Vehicle system manager), O-ring face seal fittings, AC motors, sealed electrical connectors, Hall effect sensors, Solid state encoders
- Robust truck with highly rigid construction has been designed with a heavy duty mast and axle for excellent load handling capability and high residual capacity, in order to ensure fast, stable load handling and high productivity in arduous and intensive heavy duty applications
- Optional auxillary hydraulic cooler for the most intense of lifting applications, side thrust bearings in carriage for attachment use.

Cost of Ownership

- Designed to deliver the optimal balance between productivity and energy consumption (e-Balance) to give you a low cost per pallet moved in varying application conditions
- Designed to be the most robust electric CB on the market, to withstand the rigours of the toughest applications
- IP65 rated drive axle for the ultimate protection during outdoor use
- 840-930 Ah 80V DIN batteries available
- Oil immersed brakes and automatic park brakes save money by lowering maintenance requirements

Productivity

- 80V dual front wheel drive with AC motors throughout (hoist/steer and traction)
- HiP performance setting offers the ultimate in eBalance. ICE-like productivity and low energy consumption.
- Dual drive motor and ZTR Axle is a unique feature in this capacity segment, which allows for excellent manoeuvrability and productivity, thanks to a 4161mm turning aisle width for 4-5t (1000x1200mm pallet), while still offering unrivalled operator space and comfort
- The truck is designed for heavy duty usage with superb residual capacity. This allows operators to be more productive through confident load handling
- Offers the fastest travel speeds in the industry (21km/h unladen) to match ICE truck performance with a stunning maximum laden lift speed of 0.44 m/s. Designed to meet the requirements of intensive applications where high productivity is of the essence
- Available options, which enhance productivity include; mini levers integrated into the armrest, light kits, carriage with integral side shift, full or partial cabins including optional heater, programmable maintenance reminder option

Product Features

Ergonomics

Hyster focuses on ensuring that the operator's first hour is as productive as the last.

- Lowest vibration seat. 0.5 m/s² according to EN13059 - Safety Of Industrial Trucks
- The acclaimed TouchPoint/MiniLevers and armrest ensure that the operator is comfortable at all times.
- Low noise 68dB(A) with standard truck. Low noise pumps reduces noise to a stunning 67dB(A) (quiet pump is standard with full cab and delivers 69dB(A) for unbeatable cabin comfort).
- The dual drive motors and ZTR steer axle deliver a very tight turning circle, allowing the truck to be long enough to feature a very spacious operator compartment
- PPS tyres for a comfortable ride over rough terrain
- Options - Full or partial cabin with heater option. High backrest seat with lumbar, mini lever module and armrest, Telescopic steer column with memory tilt, quiet hydraulic pump option

Serviceability

- Service intervals = 1000 hours / 6 months
- VSM and CANbus technology - faster troubleshooting and resolution
- Maintenance free automatic park brake
- Oil-immersed brakes service interval = 4000 hours
- Drive axle / transmission oil change interval = 4000 hours
- AC motors on traction and hoist are Maintenance free
- Hydraulic oil change interval = 4000 hours
- Standard warranty = 2000 hours or one year
- Power train warranty = 4000 hours or two years
- Available programmable maintenance reminder

Options

- 10 class 3 standard mast offerings
- 10 class 4 standard mast offerings
- Class 3A carriage offerings (also on class 4 masts)
- Wide tread (front) for wide load handling (4t,4.5t)
- Load backrest and forks
- Integral side shift
- Non marking tyres
- TouchPoint Mini levers
- Return to Set Tilt (RTST)
- Swivel full suspension seats (cloth/vinyl)
- High Backrest seat with lumbar support and headrest
- Telescopic steering column with memory tilt
- Modular cabin with heater
- Monotrol
- LED light packages with visible alarm strobe
- Audible back up alarm
- 12V power outlet
- Batteries and chargers
- Extended Warranty (36 Months / 6000 hours)
- Dual internal and Panoramic mirror
- Load weight indicator
- Impact sensor
- Keyless start with Operator ID
- Daily Operator checklist
- System Monitoring
- Auxillary hydraulic cooler
- Side thrust bearings for attachment use





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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