



STRONG PARTNERS. TOUGH TRUCKS.

ACX

**Four-wheel Electric Counterbalanced Lift Trucks
J2.00–3.20XM**

2 000 – 3 200 kg



J2.00XM, J2.50XM, J3.00XM, J3.20XM

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

HYSTER		HYSTER		HYSTER		HYSTER	
J2.00XM (717) □		J2.00XM (717) □		J2.50XM (717) □		J2.50XM (717) □	
Battery		Battery		Battery		Battery	
Sit		Sit		Sit		Sit	
2 000		2 000		2 500		2 500	
500		500		500		500	
411		411		411		411	
1 502		1 502		1 502		1 502	

WEIGHTS	2.1	Unladen weight	kg
	2.2	Axle loading with load, front/rear	kg
	2.3	Axle loading without load, front/rear	kg

4 680		4 680		4 680		4 680	
5 400	1 130	5 400	1 130	6 200	820	6 200	820
2 250	2 430	2 250	2 430	2 250	2 430	2 250	2 430

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)	b ₁₀ (mm)
	3.7	Track width, rear	b ₁₁ (mm)

SE		SE		SE		SE	
23 x 10 - 12		23 x 10 - 12		23 x 10 - 12		23 x 10 - 12	
18 x 7 - 8		18 x 7 - 8		18 x 7 - 8		18 x 7 - 8	
2X	2	2X	2	2X	2	2X	2
938	1 054	938	1 054	938	1 054	938	1 054
992		992		992		992	

DIMENSIONS	4.1	Mast tilt, a = forward/b = back	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift ▯	h ₂ (mm)
	4.4	Lift height ▯	h ₃ (mm)
	4.5	Height of mast, extended +	h ₄ (mm)
	4.7	Overhead guard height ■	h ₆ (mm)
	4.8	Seat height ○	h ₇ (mm)
	4.12	Towing coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width (standard/wide tread)	b ₇ /b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class A/B	
	4.24	Fork carriage width ●	b ₃ (mm)
	4.31	Ground clearance under mast, with load	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)

5	5	5	5	5	5	5	5	
2 145		2 145		2 145		2 145		
100		100		100		100		
3 250		3 250		3 250		3 250		
3 890		3 890		3 890		3 890		
2 185		2 185		2 185		2 185		
1 098		1 098		1 098		1 098		
567		567		567		567		
3 273		3 273		3 273		3 273		
2 273		2 273		2 273		2 273		
1 192	1 308	1 192	1 308	1 192	1 308	1 192	1 308	
40	100	1 000	40	100	1 000	40	100	1 000
2A		2A		2A		2A		
1067		1067		1067		1067		
89		89		89		89		
139		139		139		139		
3 608		3 608		3 608		3 608		
3 808		3 808		3 808		3 808		
1 996		1 996		1 996		1 996		
584,7		584,7		584,7		584,7		

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	Max. drawbar pull with/without load, 5 minute rating	N
	5.7	Gradeability with/without load, 30 minute rating †	%
	5.8	Max. gradeability with/without load 5 minute rating †	%
	5.9	Acceleration time with/without load ✦	sec
	5.10	Service brake	

15,1	16,4	16,9	18,2	14,8	16,3	16,4	18,0
0,38	0,54	0,42	0,61	0,35	0,54	0,40	0,61
0,57	0,50	0,57	0,50	0,58	0,50	0,58	0,50
5 096	5 671	5 470	6 049	4 985	5 671	5 359	6 049
17 728	18 543	18 285	19 108	17 617	18 543	18 173	19 108
8	12	7	11	7	12	7	11
22	34	22	34	20	34	20	34
5	4,8	5	4,8	5,1	4,8	5,1	4,8
Hydraulic		Hydraulic		Hydraulic		Hydraulic	

MOTOR	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 5 hr rate	V/Ah
	6.5	Battery weight	kg

18,2		18,2		18,2		18,2	
14		14		14		14	
No		43536A		No		43536A	
72	594	80	560	72	594	80	560
1 480		1 635		1 480		1 635	

OTHER	8.1	Drive control	
	8.2	Working pressure for attachments	bar
	8.3	Oil flow for attachments, manual hydraulics ◇	l/min
	8.5	Towing coupling type	

AC Electronic		AC Electronic		AC Electronic		AC Electronic	
155		155		155		155	
47		52		47		52	
Pin		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 3 290 mm (J2.00-2.50XM) Vista 2-stage limited free lift mast, 3 100 mm (J3.00-3.20XM), 1 100 mm hook type carriage with load backrest and 1 200 mm forks. Overhead guard and pneumatic shaped solid drive and steer tyres.

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		
J2.50XM (861) □		J2.50XM (861) □		J3.00XM (861) □		J3.00XM (861) □		J3.20XM (861) □		J3.20XM (861) □		1.1
Battery		Battery		Battery		Battery		Battery		Battery		1.2
Sit		Sit		Sit		Sit		Sit		Sit		1.3
2 500		2 500		3 000		3 000		3 200		3 200		1.4
500		500		500		500		500		500		1.5
411		411		418		418		418		418		1.6
1 646		1 646		1 646		1 646		1 646		1 646		1.7

CHARACTERISTICS

5 010		5 010		5 045		5 045		5 115		5 115		
6 250	1 075	6 250	1 075	7 084	775	7 084	775	7 400	730	7 400	730	2.1
2 450	2 560	2 450	2 560	2 490	2 555	2 490	2 555	2 495	2 620	2 495	2 620	2.2
												2.3

WEIGHTS

SE		SE		SE		SE		SE		SE		
23 x 10 - 12		23 x 10 - 12		23 x 10 - 12		23 x 10 - 12		23 x 10 - 12		23 x 10 - 12		3.1
18 x 7 - 8		18 x 7 - 8		18 x 7 - 8		18 x 7 - 8		18 x 7 - 8		18 x 7 - 8		3.2
2X	2	2X	2	2X	2	2X	2	2X	2	2X	2	3.3
938	1 054	938	1 054	938	1 054	938	1 054	938	1 054	938	1 054	3.4
992		992		992		992		992		992		3.5

WHEELS & TYRES

5		5		5		5		5		5		
2 145		2 145		2 145		2 145		2 145		2 145		4.1
100		100		100		100		100		100		4.2
3 250		3 250		3 055		3 055		3 055		3 055		4.3
3 890		3 890		3 855		3 855		3 855		3 855		4.4
2 185		2 185		2 185		2 185		2 185		2 185		4.5
1 098		1 098		1 098		1 098		1 098		1 098		4.6
567		567		567		567		567		567		4.7
3 417		3 417		3 424		3 424		3 424		3 424		4.8
2 417		2 417		2 424		2 424		2 424		2 424		4.9
1 192	1 308	1 192	1 308	1 192	1 308	1 192	1 308	1 192	1 308	1 192	1 308	5.0
40	100 1 000	40	100 1 000	45	100 1 000	45	100 1 000	45	100 1 000	45	100 1 000	5.1
2A		2A		3A		3A		3A		3A		5.2
1067		1067		1067		1067		1067		1067		5.3
89		89		89		89		89		89		5.4
139		139		139		139		139		139		5.5
3 759		3 759		3 766		3 766		3 766		3 766		5.6
3 959		3 959		3 966		3 966		3 966		3 966		5.7
2 148		2 148		2 148		2 148		2 148		2 148		5.8
635.9		635.9		635.9		635.9		635.9		635.9		5.9

DIMENSIONS

14,8	16,3	16,4	18,0	14,5	16,1	16,1	17,9	14,3	16,1	15,9	17,9	5.1
0,35	0,54	0,40	0,61	0,30	0,49	0,34	0,54	0,30	0,49	0,33	0,54	5.2
0,58	0,50	0,58	0,50	0,56	0,46	0,56	0,46	0,57	0,46	0,57	0,46	5.3
4 896	5 586	5 270	5 964	4 767	5 564	5 141	5 942	4 696	5 546	5 065	5 929	5.4
17 528	18 454	18 084	19 024	17 399	18 436	17 955	19 001	17 323	18 418	17 884	18 988	5.5
7	12	6	10	6	11	6	10	6	11	6	10	5.6
19	32	19	32	18	31	18	31	18	31	18	31	5.7
5,1	4,8	5,1	4,8	5,2	4,9	5,2	4,9	5,2	4,9	5,2	4,9	5.8
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.9

PERFORMANCE

18,2		18,2		18,2		18,2		18,2		18,2		6.1
14		14		14		14		14		14		6.2
No		43536A		No		43536A		No		43536A		6.3
72	775	80	700	72	775	80	700	72	775	80	700	6.4
1 770		1 955		1 770		1 955		1 770		1 955		6.5

MOTOR

AC Electronic		AC Electronic		AC Electronic		AC Electronic		AC Electronic		AC Electronic		8.1
155		155		155		155		155		155		8.2
47		52		47		52		47		52		8.3
Pin		Pin		Pin		Pin		Pin		Pin		8.5

OTHER

Forks:

J2.00-2.50XM: 100 x 40 x 900 to 1 200 mm long

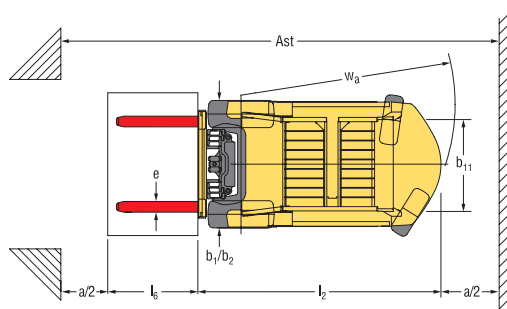
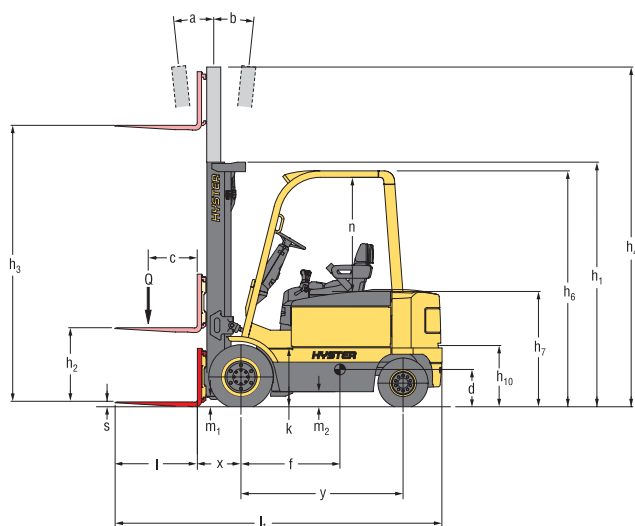
J3.00-3.20XM: 100 x 45 x 900 to 1 200 mm long

Fork spacing:

Inside to inside, minimum: 30 mm

Outside to outside, maximum: 900 mm (J2.00-2.50XM) 875 mm (J3.00-3.20XM)

Truck dimensions



= Centre of gravity of unladen truck

$Ast = W_a + x + l_6 + a$ (see lines 4.33 & 4.34)

a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

*Standard tread shown-see line 3.6 for optional tread

NOTE:

Specification data is based on the JXM 'Plus' option.

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. Specification data is based on the JXM plus option.

- Nominal battery compartment length
- ¶ Bottom of forks
- + Without load backrest
- h_6 subject to +/- 5 mm tolerance
- Full suspension seat (FLS1500) specified
- Add 28 mm with load backrest
- ◆ Stacking aisle width (lines 4.33 & 4.34) is 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.
- ❖ With 'extended shift' on
- ◇ Variable

Tables key:

- ★ Add 665 mm with load backrest extension
- △ Add 685 mm with load backrest extension
- Deduct 665 mm with load backrest extension
- Deduct 685 mm with load backrest extension
- Add 580 mm with load backrest extension
- * Add 600 mm with load backrest extension
- Deduct 580 mm with load backrest extension
- ▲ Deduct 600 mm with load backrest extension
- ◐ Wide tread required
- ☎ Alternative capacities available with pneumatic tyres. Contact your lift truck dealer.

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.

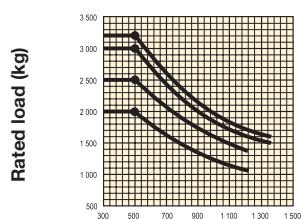


This truck conforms to the current EU requirements.

Model

Model	J2.00XM (717) □	J2.50XM (717) □	J2.50XM (861) □	J3.00XM (861) □	J3.20XM (861) □
Load moment cm-kg	180 800	226 000	226 000	273 300	291 520
Dimensions (mm)	d	608.8	608.8	601.3	602.9
	f	770.1	770.1	831.2	821.6
	k	709	709	709	709
	n	1 047 ○	1 047 ○	1 047 ○	1 047 ○

Rated capacities



Load centre (mm)

Load centre

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

Rated load

Based on vertical masts up to
4 350 mm top of forks (J2.00-2.50XM) or
4 165 mm (J3.00-3.20XM).

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 J2.00-2.50XM

	Maximum fork height mm (h ₃ +s)	Back tilt	Overall lowered height mm	Overall extended height mm	Free lift (top of forks) mm (h ₂ +s)
Vista 2-Stg limited free lift	3 290	5°	2 145	3 890 ★	140
	3 790	5°	2 395	4 390 ★	140
	4 330	5°	2 745	4 890 ★	140
Vista 2-Stg full free lift	3 300	5°	2 145	3 860 ★	1 585 ○
Vista 3-Stg full free lift	4 950	5°	2 145	5 490 △	1 605 □
	5 550	5°	2 395	6 090 △	1 855 □
	6 000	5°	2 595	6 540 △	2 055 □

Vista masts J3.00-3.20XM

	Maximum fork height mm (h ₃ +s)	Back tilt	Overall lowered height mm	Overall extended height mm	Free lift (top of forks) mm (h ₂ +s)
Vista 2-Stg limited free lift	3 100	5°	2 145	3 755 ■	145
	3 600	5°	2 395	4 255 ■	145
	4 100	5°	2 745	4 755 ■	145
Vista 2-Stg full free lift	3 105	5°	2 145	3 755 ■	1 448 ▲
Vista 3-Stg full free lift	4 610	5°	2 145	5 245 *	1 466 ▲
	5 210	5°	2 395	5 845 *	1 716 ▲
	5 810	5°	2 645	6 445 *	1 966 ▲

J2.00-3.20XM - Capacity chart in kg @ 500 mm load centre

Pneumatic-shaped solid tyres												
Maximum fork height mm (h ₃ +s)	Without sideshift			With integral sideshift			Maximum fork height mm (h ₃ +s)	Without sideshift		With integral sideshift		
	J2.00XM (717) □	J2.50XM (717) □	J2.50XM (861) □	J2.00XM (717) □	J2.50XM (717) □	J2.50XM (861) □		J3.00XM (861) □	J3.20XM (861) □	J3.00XM (861) □	J3.20XM (861) □	
Vista 2-Stg limited free lift	3 290	2 000	2 500	2 500	2 000	2 500	2 500	3 100	3 000	3 200	2 960	3 140
	3 790	2 000	2 500	2 500	2 000	2 490	2 500	3 600	3 000	3 200	2 950	3 130
	4 330	2 000	2 500	2 500	2 000	2 470	2 500	4 100	3 000	3 140	2 940	3 050
Vista 2-Stg full free lift	3 300	2 000	2 500	2 500	2 000	2 500	2 500	3 105	3 000	3 200	2 960	3 140
Vista 3-Stg full free lift	4 950	1 970	2 440	2 500	1 950	2 400	2 500	4 610	2 970	3 080	2 900	2 990
	5 550	1 880	2 280 ◀	2 410 ◀	1 840	2 260	2 390 ◀	5 210	2 840 ◀	2 950 ◀	2 770 ◀	2 850 ◀
	6 000	1 800	2 220 ◀	2 320 ◀	1 760	2 160 ◀	2 290 ◀	5 810	2 630 ◀	2 710 ◀	2 610 ◀	2 690 ◀

J2.00-3.20XM - Capacity chart in kg @ 600 mm load centre

Pneumatic-shaped solid tyres												
Maximum fork height mm (h ₃ +s)	Without sideshift			With integral sideshift			Maximum fork height mm (h ₃ +s)	Without sideshift		With integral sideshift		
	J2.00XM (717) □	J2.50XM (717) □	J2.50XM (861) □	J2.00XM (717) □	J2.50XM (717) □	J2.50XM (861) □		J3.00XM (861) □	J3.20XM (861) □	J3.00XM (861) □	J3.20XM (861) □	
Vista 2-Stg limited free lift	3 290	1 910	2 350	2 400	1 820	2 260	2 300	3 100	2 810	2 970	2 680	2 840
	3 790	1 900	2 340	2 390	1 820	2 250	2 290	3 600	2 800	2 960	2 670	2 830
	4 330	1 890	2 330	2 380	1 800	2 240	2 280	4 100	2 780	2 900	2 660	2 770
Vista 2-Stg full free lift	3 300	1 900	2 350	2 390	1 830	2 260	2 300	3 105	2 810	2 970	2 680	2 840
Vista 3-Stg full free lift	4 950	1 850	2 270	2 360	1 770	2 170	2 260	4 610	2 750	2 840	2 630	2 710
	5 550	1 740	2 130 ◀	2 260 ◀	1 660	2 040	2 160 ◀	5 210	2 630 ◀	2 710 ◀	2 500 ◀	2 580 ◀
	6 000	1 660	2 040 ◀	2 170 ◀	1 590	1 950 ◀	2 070 ◀	5 810	2 480 ◀	2 560 ◀	2 370 ◀	2 440 ◀

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

Application matched performance and battery shift life

- Hyster ACX system offers extended shift life or extra AC performance options to suit each application.
- AC technology on both traction and hydraulics for reliable, positive performance.
- Brushless DC steering motor.
- Compact dimensions and extraordinary manoeuvrability offer tight aisle widths.

Advanced ergonomic features to inspire productivity

- Hydraulic control/seat choices.
 - Standard fully adjustable semi-suspension seat with integral armrest. With low effort, soft touch, manual hydraulic levers.
 - Optional e-hydraulic seat with TouchPoint™ mini-levers provide ultimate fingertip precision control.
 - Optional e-hydraulic seat with TouchControl™ joystick. Especially suited to intensive applications where hydraulic operation is frequent and accurate/delicate hydraulic control is required.
- Convenient step and handgrip for ease of access.
- Demand Sense Steering.
- Monotrol® pedal (optional).
- Clear view dash display with LCD indicators.
- 4 pre-programmed performance modes.
 - Pin codes (optional) can be allocated to individual drivers allowing them access only to the performance level suited to their ability and experience.
- Battery discharge indicator with lift interrupt.
- Full range of Vista masts. 2 stage limited free lift, 2 or 3 stage full free lift with hydraulic mast cushioning for dependable handling of fragile loads.
Offering excellent visibility with smooth, low noise operation.

Dependability and low cost of operation

- Extended battery shift life.
- 1 000 hour service intervals on most major components*.
- 100% brushless AC motors.
- Oil immersed brakes.
 - Low brake pedal effort.
 - Minimum maintenance requirements.
 - Oil change interval is 2 000 hours.
 - Completely closed system, with brakes sealed inside the transaxle, make the truck ideally suited for operating in wet, dirty or corrosive environments.
- Auto regenerative braking.
- On board diagnostics for early warning of maintenance requirements.
- One piece frame, designed using FEA** technology, and robust steer axle design for proven durability.

* Subject to applications survey

**Finite Element Analysis



**Strong Partners, Tough Trucks,
for Demanding Operations Everywhere.**

Hyster supplies a complete product range, including Warehouse trucks, 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 materials 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 materials handling needs so you can focus on the success of your business today and in the future.




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