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# **ELECTRIC COUNTERBALANCED FORKLIFT**

## **PRODUCT BROCHURE**

# **J2.0-3.5XTLG**

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# RELIABILITY AND DURABILITY

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- Proven and tested structural design is ideal for indoor and outdoor working conditions.
- Intensive environmental testing enables reliability and durability.
- Lithium battery:
  - Side charging minimises need to open battery compartment.
  - Automatic heating function manages temperature recovery during discharge and before charging.



# ERGONOMICS AND COMFORT

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- Ergonomic design and optimized operator compartment improves driving experience.
- Multiple seat options to suit most operator sizes.
- Informative colour display including performance mode settings.
- Wide view mast provides good forward visibility.
- Large tyre size and high ground clearance provides optimal performance on uneven ground conditions.



# HIGH EFFICIENCY AND PERFORMANCE

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- High efficiency permanent magnet motor and controller system:
  - Provides up to 95% working efficiency.
  - Reduces energy consumption by 20%.
  - IPX4 waterproof rating.
  - Enables continuous operation in wet conditions.
- BMS and controller with leakage detection system.
- Permanent magnet synchronous motor delivers high efficiency.



# OTHER FEATURES

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- Standard curve deceleration
- Standard energy saving bright LED lights
- Standard USB charge ports
- Standard operator presence system
- Optional dual wheels
- Optional wet brake axle
- Optional automatic park brake
- Optional telemetry
- Optional minilevers



# J2.0-2.5XTLG SPECIFICATIONS

		Hyster						
		J2.0XTLG		J2.5XTLG				
DISTINGUISHING MARKS	1.1	Manufacturer	Hyster					
	1.2	Model designation	J2.0XTLG		J2.5XTLG			
	1.3	Drive: electric(battery or mains), diesel, petrol, fuel gas	Electric					
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seat					
	1.5	Rated capacity/rated load	Q (kg)	2000	2500			
	1.6	Load centre distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	476	476			
	1.9	Wheelbase (with mast vertical)	y (mm)	1600				
	WEIGHTS	2.1	Service weight	kg	3515	3645	3775	3905
2.2		Axle loading, laden front/rear	kg	4865/650	4980/665	5535/740	5650/755	
2.3		Axle loading, unladen front/rear	kg	1355/2160	1400/2245	1470/2305	1520/2385	
TYRES/CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane	Pneumatic					
	3.2	Tyre size, front	7.00-12-12PR					
	3.3	Tyre size, rear	6.00-9-10PR					
	3.5	Wheels, number front/rear	2/2					
	3.6	Tread, front	b <sub>10</sub> (mm)	970				
	3.7	Tread, rear	b <sub>11</sub> (mm)	980				
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward/backward	α /β (°)	6/12			
4.2		Height, mast lowered	h <sub>1</sub> (mm)	2010				
4.3		Free lift	h <sub>2</sub> (mm)	160				
4.4		Lift	h <sub>3</sub> (mm)	3000				
4.5		Height, mast extended <sup>1</sup>	h <sub>4</sub> (mm)	3575				
4.7		Height of overhead guard (cabin)	h <sub>e</sub> (mm)	2180				
4.8		Seat height/stand height	h <sub>r</sub> (mm)	1190				
4.12		Towing coupling height	h <sub>10</sub> (mm)	250				
4.19		Overall length	l <sub>1</sub> (mm)	3630	3692			
4.20		Length to face of forks	l <sub>2</sub> (mm)	2560	2622			
4.21		Overall width	b <sub>1</sub> (mm)	1160				
4.22		Fork dimensions ISO2331	s/e/l (mm)	40/122/1070				
4.23		Fork carriage ISO 2328. Class/type, A/B		IIA				
4.24		Fork carriage width	b <sub>3</sub> (mm)	1040				
4.31		Ground clearance, laden, below mast	m <sub>1</sub> (mm)	125				
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	130				
4.33		Load dimension b <sub>12</sub> x l <sub>6</sub> crossways	b <sub>12</sub> x l <sub>6</sub> (mm)	1000*1000				
4.34.1		Aisle width with pallets 1000mm x 1200mm crossways	A <sub>st</sub> (mm)	3972	4023			
4.35		Turning radius	W <sub>a</sub> (mm)	2296	2347			
4.36		Inner turning radius	b <sub>13</sub> (mm)	745				
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	15/15	19/19	15/15	19/19	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	12/12	16/16	12/12	16/16	
	5.2	Lifting speed, laden/unladen	mm/s	400/430	510/540	400/430	510/540	
	5.3	Lowering speed laden/unladen	mm/s	420/500				
	5.5	Drawbar pull laden/unladen	N	16000/13000	19000/15000	17000/15000	23000/16000	
	5.8	Maximum gradeability, laden/unladen	%	15/15	20/20	15/15	20/20	
	5.9	Acceleration time, laden/unladen 15m	sec	5.6/5.5				
	5.10	Service brake		Hydraulic				
	ELECTRIC-ENGINE	6.1	Drive motor rating S2 60 min	Kw	15	21.6	15	21.6
		6.2	Lift motor rating at S3 15 %	Kw	15	22.6	15	22.6
6.3		Battery according to DIN 43531/35/36 A, B, C, no		no				
6.4		Battery voltage/nominal capacity K5	(V)/(Ah)	115V/228Ah	154V/228Ah	115V/228Ah	154V/228Ah	
6.5		Battery weight	kg	280	340	280	340	
6.6		Energy consumption according to VDI cycle	kWh/h	4.8	5.4	5.1	5.8	
6.7		Turnover output	t/h	135	162	145	173	
6.8		Energy consumption at turnover output	kWh in 1 h	5.8	5.5	6.3	5.9	
ADDITIONAL DATA	8.1	Type of drive unit		PM AC				
	10.1	Operating pressure for attachments	bar	140				
	10.2	Oil volume for attachments	l/min	64				
	10.7	Sound pressure level at the driver's seat	dB (A)	66				
	10.7.1	Sound power level during the workcycle	dB (A)	82	81	82	81	
	10.8	Towing coupling, type DIN		PIN				

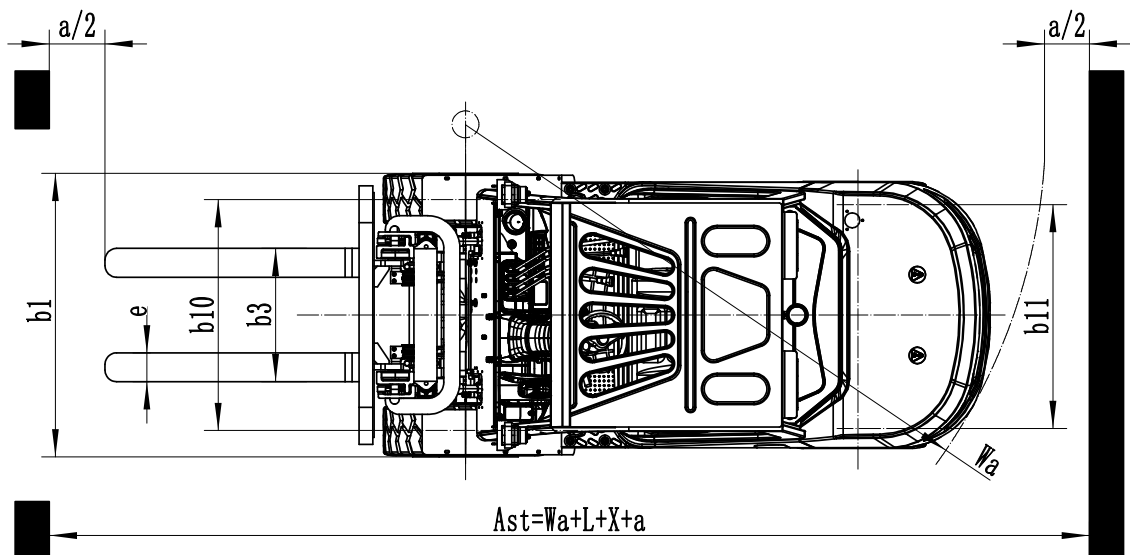
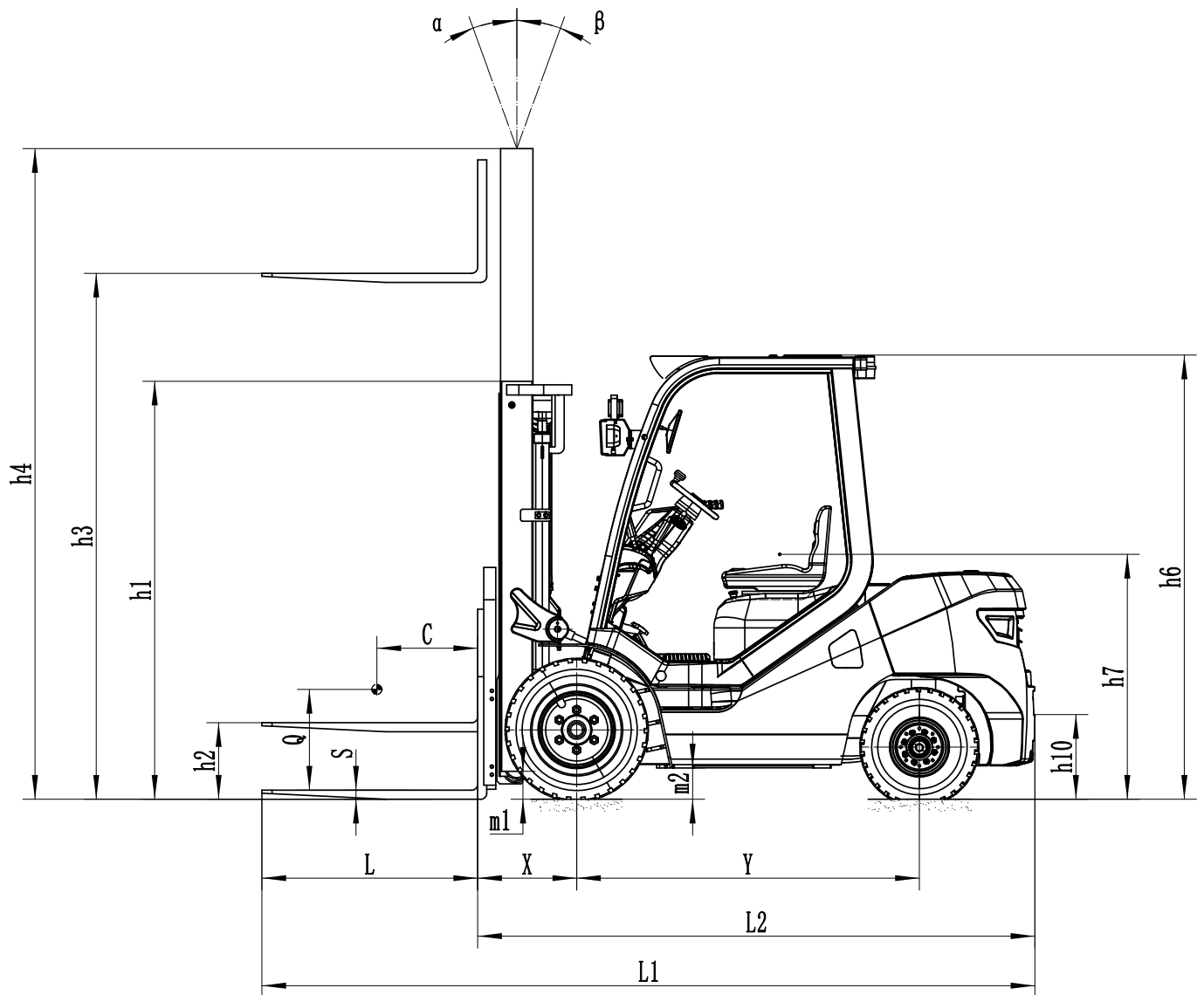
<sup>1</sup> Without load backrest

# J3.0-3.5XTLG SPECIFICATIONS

		Hyster						
		J3.0XTLG		J3.5XTLG				
DISTINGUISHING MARKS	1.1	Manufacturer	Hyster					
	1.2	Model designation	J3.0XTLG		J3.5XTLG			
	1.3	Drive: electric(battery or mains), diesel, petrol, fuel gas	Electric					
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seat					
	1.5	Rated capacity/rated load	Q (kg)	3000	3500			
	1.6	Load centre distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	491	510			
	1.9	Wheelbase (with mast vertical)	y (mm)	1700				
	WEIGHTS	2.1	Service weight	kg	4275	4330	4675	4730
2.2		Axle loading, laden front/rear	kg	6416/859	6465/865	7210/965	7260/970	
2.3		Axle loading, unladen front/rear	kg	1710/2565	1732/2598	1846/2829	1868/2862	
TYRES/CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane	Pneumatic					
	3.2	Tyre size, front	28x9-15-14PR					
	3.3	Tyre size, rear	6.50-10-10PR					
	3.5	Wheels, number front/rear	2/2					
	3.6	Tread, front	b10 (mm)	1000				
	3.7	Tread, rear	b11 (mm)	970				
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward/backward	$\alpha / \beta$ (°)	6/12			
4.2		Height, mast lowered	h1 (mm)	2150				
4.3		Free lift	h2 (mm)	165	170			
4.4		Lift	h3 (mm)	3000				
4.5		Height, mast extended <sup>1</sup>	h4 (mm)	3640	3700			
4.7		Height of overhead guard (cabin)	he (mm)	2205				
4.8		Seat height/stand height	h7 (mm)	1215				
4.12		Towing coupling height	h10 (mm)	260				
4.19		Overall length	l1 (mm)	3763	3853			
4.20		Length to face of forks	l2 (mm)	2693	2783			
4.21		Overall width	b1 (mm)	1228				
4.22		Fork dimensions ISO2331	s/e/l (mm)	45/122/1070	50/122/1070			
4.23		Fork carriage ISO 2328. Class/type, A/B		IIA				
4.24		Fork carriage width	b3 (mm)	1100				
4.31		Ground clearance, laden, below mast	m1 (mm)	140				
4.32		Ground clearance, centre of wheelbase	m2 (mm)	155				
4.33		Load dimension b12 x l6 crossways	b12 x l6 (mm)	1000*1000				
4.34.1		Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	4136	4225			
4.35		Turning radius	Wa (mm)	2445	2515			
4.36		Inner turning radius	b13 (mm)	823				
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	15/15	19/19	15/15	19/19	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	12/12	16/16	12/12	16/16	
	5.2	Lifting speed, laden/unladen	mm/s	350/380	430/500	350/380	430/500	
	5.3	Lowering speed laden/unladen	mm/s	420/500				
	5.5	Drawbar pull laden/unladen	N	19000/16000	26000/17000	19000/16000	27000/17000	
	5.8	Maximum gradeability, laden/unladen	%	15/15	20/20	15/15	20/20	
	5.9	Acceleration time, laden/unladen 15m	sec	5.6/5.5				
	5.10	Service brake		Hydraulic				
	ELECTRIC-ENGINE	6.1	Drive motor rating S2 60 min	Kw	15	21.6	15	21.6
		6.2	Lift motor rating at S3 15 %	Kw	15	22.6	15	22.6
6.3		Battery according to DIN 43531/35/36 A, B, C, no		no				
6.4		Battery voltage/nominal capacity K5	(V)/(Ah)	115V/228Ah	154V/228Ah	115V/228Ah	154V/228Ah	
6.5		Battery weight	kg	280	340	280	340	
6.6		Energy consumption according to VDI cycle	kWh/h	5.8	6.4	6.3	7	
6.7		Turnover output	t/h	165	192	180	210	
6.8		Energy consumption at turnover output	kWh in 1 h	7.1	6.5	7.8	7.1	
8.1	Type of drive unit		PM AC					
ADDITIONAL DATA	10.1	Operating pressure for attachments	bar	140				
	10.2	Oil volume for attachments	l/min	64				
	10.7	Sound pressure level at the driver's seat	dB (A)	64				
	10.7.1	Sound power level during the workcycle	dB (A)	82	81	82	81	
	10.8	Towing coupling, type DIN		PIN				

<sup>1</sup> Without load backrest


# TRUCK DIMENSIONS







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