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ELECTRIC COUNTERBALANCED FORKLIFT

PRODUCT BROCHURE

J2.0-3.5XTLG



RELIABILITY AND DURABILITY

- 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

- 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

- 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

- 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



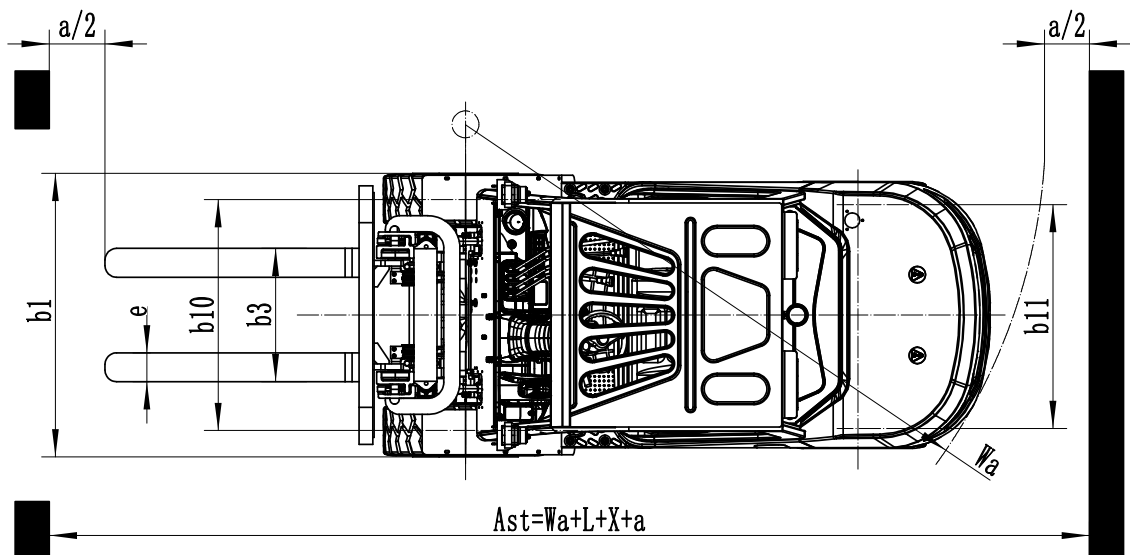
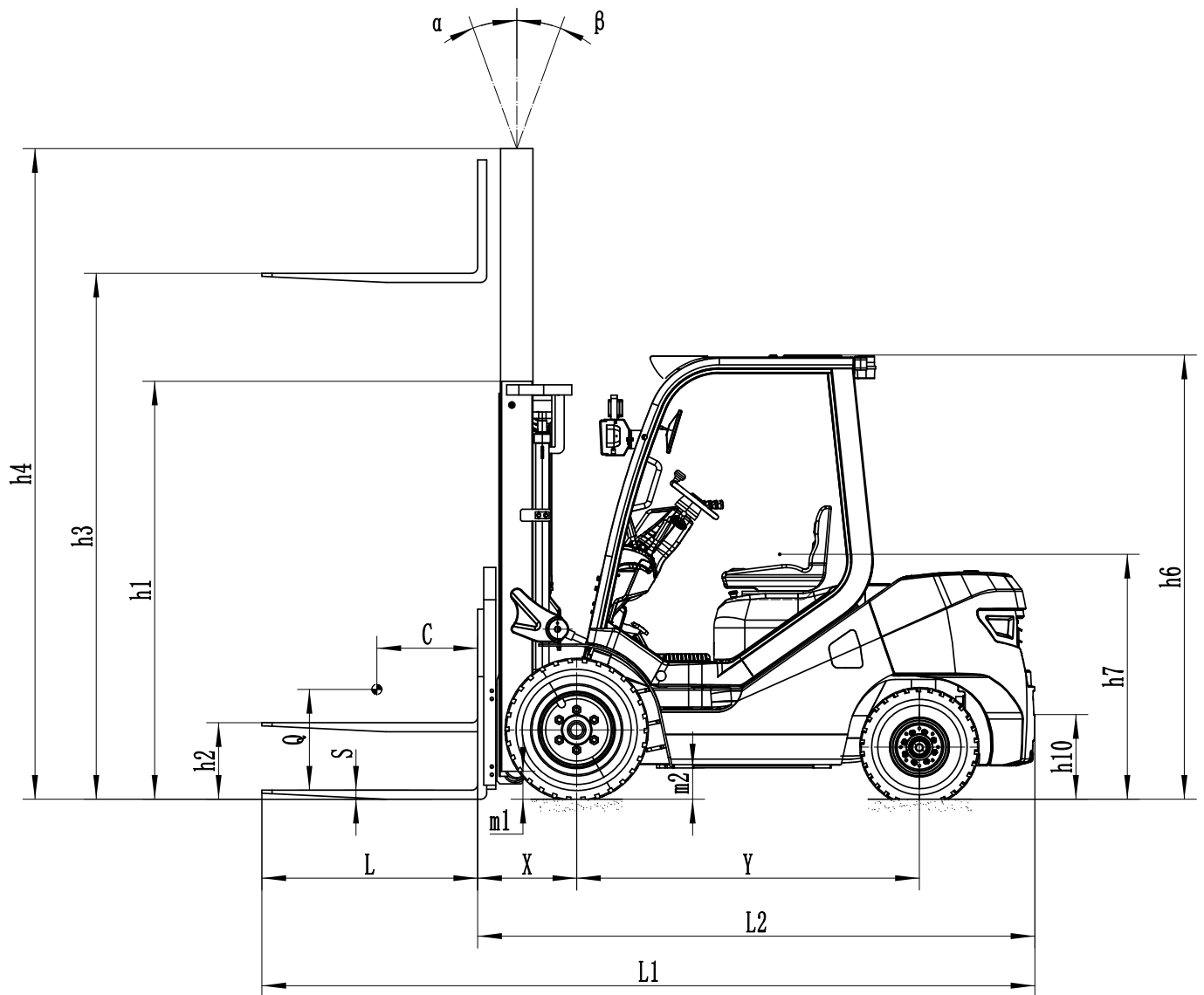
J2.0-2.5XTLG SPECIFICATIONS

		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 ₁₀ (mm)	970				
	3.7	Tread, rear	b ₁₁ (mm)	980				
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward/backward	α /β (°)	6/12			
4.2		Height, mast lowered	h ₁ (mm)	2010				
4.3		Free lift	h ₂ (mm)	160				
4.4		Lift	h ₃ (mm)	3000				
4.5		Height, mast extended	h ₄ (mm)	3990				
4.7		Height of overhead guard (cabin)	h _e (mm)	2180				
4.8		Seat height/stand height	h _r (mm)	1190				
4.12		Towing coupling height	h ₁₀ (mm)	250				
4.19		Overall length	l ₁ (mm)	3630	3692			
4.20		Length to face of forks	l ₂ (mm)	2560	2622			
4.21		Overall width	b ₁ (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 ₃ (mm)	1040				
4.31		Ground clearance, laden, below mast	m ₁ (mm)	125				
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	130				
4.33		Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000*1000				
4.34.1		Aisle width with pallets 1000mm x 1200mm crossways	A _{st} (mm)	4172	4226			
4.35		Turning radius	W _a (mm)	2290	2350			
4.36		Inner turning radius	b ₁₃ (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)	115.2V/228Ah	153.6V/228Ah	115.2V/228Ah	153.6V/228Ah	
6.5		Battery weight	kg	235	330	235	330	
6.6		Energy consumption according to VDI cycle	kWh/h	5.7	6.2	5.8	6.4	
6.7		Turnover output	t/h	140	162	150	173	
6.8		Energy consumption at turnover output	kWh in 1 h	5.8	5.5	6.27	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)	64	66	64	66	
	10.7.1	Sound power level during the workcycle	dB (A)	82	81	82	81	
	10.8	Towing coupling, type DIN		PIN				

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	α / β (°)	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	h4 (mm)	4100				
4.7		Height of overhead guard (cabin)	h6 (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)	4336	4425			
4.35		Turning radius	Wa (mm)	2430	2500			
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)	115.2V/228Ah	153.6V/228Ah	115.2V/228Ah	153.6V/228Ah	
6.5		Battery weight	kg	235	330	235	330	
6.6		Energy consumption according to VDI cycle	kWh/h	6.1	6.7	6.32	7	
6.7		Turnover output	t/h	165	192	180	210	
6.8		Energy consumption at turnover output	kWh in 1 h	7.1	6.54	7.76	7.14	
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)	64	66	64	66	
	10.7.1	Sound power level during the workcycle	dB (A)	82	81	82	81	
	10.8	Towing coupling, type DIN		PIN				

TRUCK DIMENSIONS



J2.0XTLG MAST DIMENSIONS											
Maximum Fork Height	Mast Tilt		Lowered Height	Overall Extended Height without LBR	Overall Extended Height with LBR	Free Lift		J2.0XTLG without sideshift			
	Forward Tilt	Back Tilt				Without LBR	With LBR	Solid Tyres		Pneumatic Tyres	
								500 mm LC	600 mm LC	500 mm LC	600 mm LC
(mm)	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(kg)	(kg)	(kg)	(kg)	
2-Stage Limited Free-Lift (LFL) Mast											
3000	6	12	2010	3575	3990	160	160	2000	1800	2000	1800
4000	6	6	2560	4575	4990	160	160	2000	1800	2000	1800
4500	6	6	2810	5075	5490	160	160	1900	1710	1850	1710
5000	6	6	3060	5575	5990	160	160	1800	1620	1590	1550
5500	3	6	3360	6075	6490	160	160	1690	1520	1150	1130
6000	3	6	3610	6575	6990	160	160	1520	1400	870	860
2-Stage Full Free-Lift (FFL) Mast											
3000	6	12	2010	3590	3990	1420	1020	2000	1800	2000	1800
3-Stage Full Free-Lift (FFL) Mast											
4500	6	6	2060	5017	5490	1440	1070	1900	1730	1830	1730
4800	6	6	2160	5317	5790	1540	1170	1840	1670	1710	1660
5500	3	6	2425	6017	6490	1800	1430	1670	1510	1110	1110
6000	3	6	2610	6517	6990	1990	1620	1430	1390	850	850
6500	3	6	2825	7017	7490	2215	1835	1170	1170	610	610

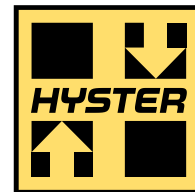
J2.5XTLG MAST DIMENSIONS											
Maximum Fork Height	Mast Tilt		Lowered Height	Overall Extended Height without LBR	Overall Extended Height with LBR	Free Lift		J2.5XTLG without sideshift			
	Forward Tilt	Back Tilt				Without LBR	With LBR	Solid Tyres		Pneumatic Tyres	
								500 mm LC	600 mm LC	500 mm LC	600 mm LC
(mm)	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(kg)	(kg)	(kg)	(kg)	
2-Stage Limited Free-Lift (LFL) Mast											
3000	6	12	2010	3575	3990	160	160	2500	2300	2500	2300
4000	6	6	2560	4575	4990	160	160	2500	2300	2500	2300
4500	6	6	2810	5075	5490	160	160	2390	2200	2080	2010
5000	6	6	3060	5575	5990	160	160	2270	2090	1810	1760
5500	3	6	3360	6075	6490	160	160	1860	1840	1350	1320
6000	3	6	3610	6575	6990	160	160	1500	1480	1040	1030
2-Stage Full Free-Lift (FFL) Mast											
3000	6	12	2010	3590	3990	1420	1020	2500	2300	2500	2300
3-Stage Full Free-Lift (FFL) Mast											
4500	6	6	2060	5017	5490	1440	1070	2340	2120	2020	1990
4800	6	6	2160	5317	5790	1540	1170	2270	2060	1890	1870
5500	3	6	2425	6017	6490	1800	1430	1710	1710	1280	1280
6000	3	6	2610	6517	6990	1990	1620	1410	1410	1010	1010
6500	3	6	2825	7017	7490	2215	1835	1120	1150	740	740

J3.0XTLG MAST DIMENSIONS											
Maximum Fork Height	Mast Tilt		Lowered Height	Overall Extended Height without LBR	Overall Extended Height with LBR	Free Lift		J3.0XTLG without sideshift			
	Forward Tilt	Back Tilt				Without LBR	With LBR	Solid Tyres		Pneumatic Tyres	
								500 mm LC	600 mm LC	500 mm LC	600 mm LC
(mm)	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(kg)	(kg)	(kg)	(kg)	
2-Stage Limited Free-Lift (LFL) Mast											
3000	6	12	2010	3575	3990	160	160	3000	2910	3000	2910
4000	6	6	2560	4575	4990	160	160	3000	2850	3000	2780
4500	6	6	2810	5075	5490	160	160	2860	2660	2750	2580
5000	6	6	3060	5575	5990	160	160	2760	2570	2420	2350
5500	3	6	3360	6075	6490	160	160	2340	2290	1920	1870
6000	3	6	3610	6575	6990	160	160	1800	1760	1380	1360
2-Stage Full Free-Lift (FFL) Mast											
3000	6	12	2010	3590	3990	1420	1020	3000	2900	3000	2900
3-Stage Full Free-Lift (FFL) Mast											
4500	6	6	2060	5017	5490	1440	1070	2790	2540	2680	2540
4800	6	6	2160	5317	5790	1540	1170	2720	2470	2610	2470
5500	3	6	2425	6017	6490	1800	1430	2190	2190	1860	1860
6000	3	6	2610	6517	6990	1990	1620	1630	1630	1280	1280
6500	3	6	2825	7017	7490	2215	1835	1220	1220	820	820

J3.5XTLG MAST DIMENSIONS											
Maximum Fork Height	Mast Tilt		Lowered Height	Overall Extended Height without LBR	Overall Extended Height with LBR	Free Lift		J3.5XTLG without sideshift			
	Forward Tilt	Back Tilt				Without LBR	With LBR	Solid Tyres		Pneumatic Tyres	
								500 mm LC	600 mm LC	500 mm LC	600 mm LC
(mm)	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(kg)	(kg)	(kg)	(kg)	
2-Stage Limited Free-Lift (LFL) Mast											
3000	6	12	2010	3575	3990	160	160	3500	3450	3500	3450
4000	6	6	2560	4575	4990	160	160	3500	3320	3310	3080
4500	6	6	2810	5075	5490	160	160	3380	3210	2960	2780
5000	6	6	3060	5575	5990	160	160	2980	2810	2470	2320
5500	3	6	3360	6075	6490	160	160	2430	2290	1950	1840
6000	3	6	3610	6575	6990	160	160	1980	1870	1520	1440
2-Stage Full Free-Lift (FFL) Mast											
3000	6	12	2010	3590	3990	1420	1020	3500	3440	3500	3440
3-Stage Full Free-Lift (FFL) Mast											
4500	6	6	2060	5017	5490	1440	1070	3270	2970	2870	2810
4800	6	6	2160	5317	5790	1540	1170	3090	2900	2630	2590
5500	3	6	2425	6017	6490	1800	1430	2350	2310	1920	1880
6000	3	6	2610	6517	6990	1990	1620	1880	1860	1450	1430
6500	3	6	2825	7017	7490	2215	1835	1410	1400	920	920

Note: For integral sideshift deduct 50kg from stated capacity, all ratings with 1070 mm forks, dual tyre capacities available upon request

HYSTER® DEALERS



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