

J7.0-9.0XNL SERIES

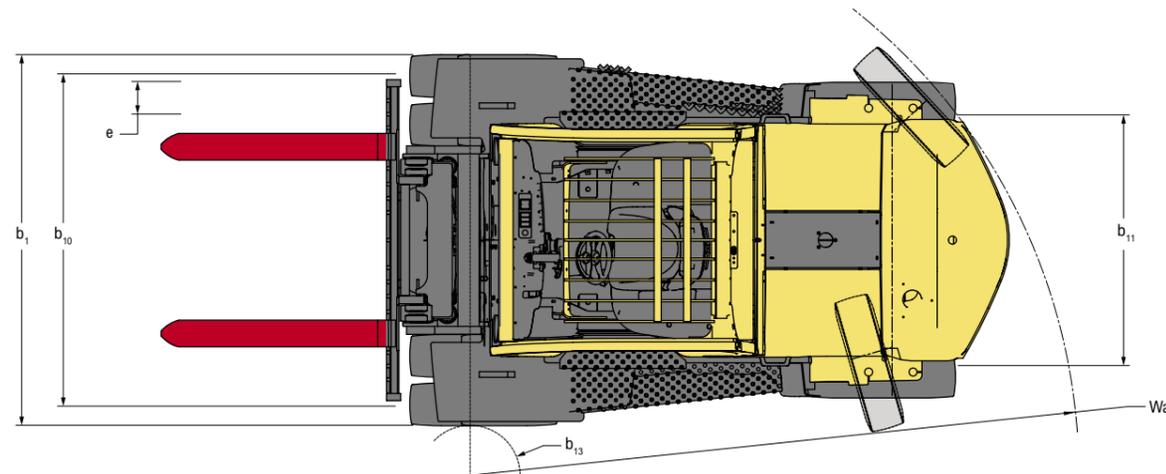
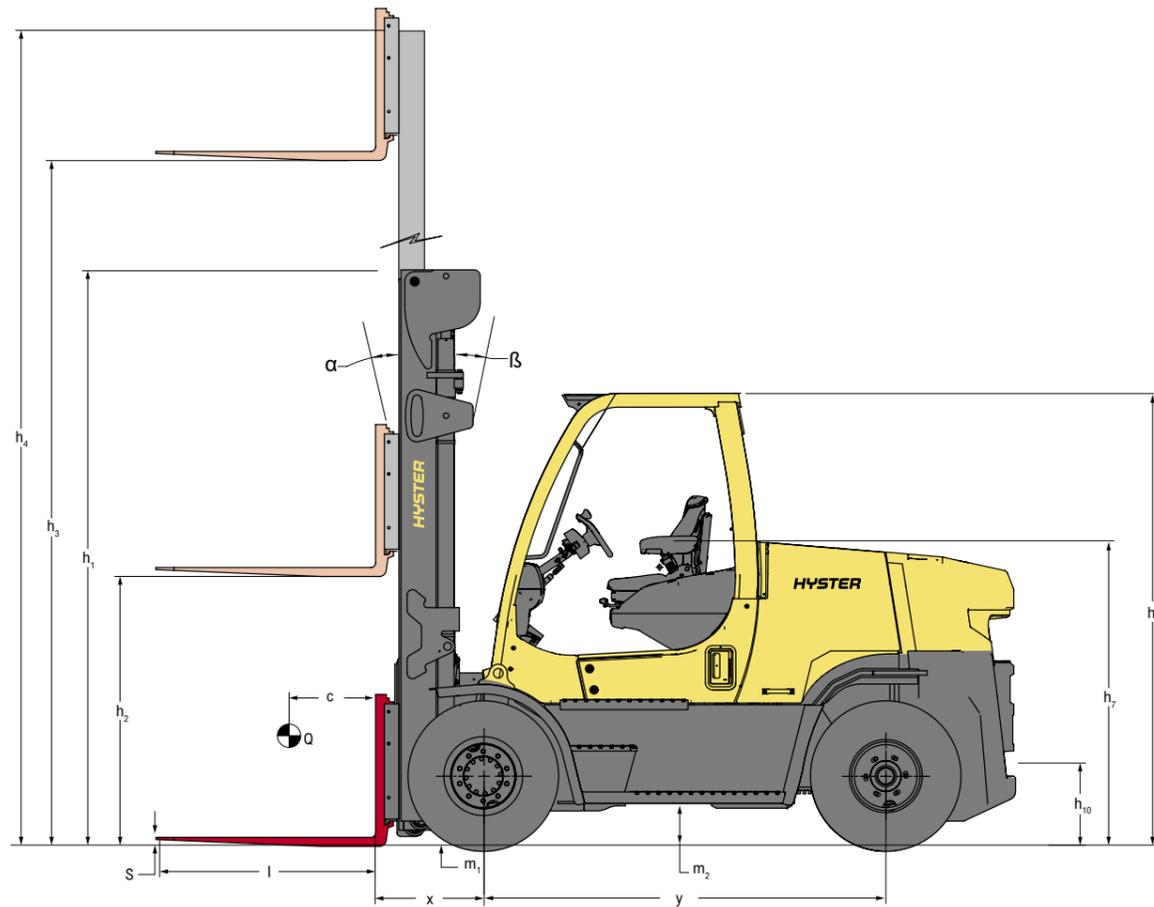


ELECTRIC FORKLIFT

PRODUCT TECHNICAL GUIDE



WWW.HYSTER.COM



GENERAL				HYSTER			
1-1		Manufacturer		J7.0XNSL		J7.0XNSL9	
1-2		Model designation					
1-3		Powertrain / drivetrain		Electric (battery)			
1-4		Operator type		Seated			
1-5		Rated capacity / rated load		Q		kg	
1-6		Load centre distance		c		mm	
1-8		Load distance		x		mm	
1-9		Wheelbase		y		mm	
WEIGHT							
2-1		Service weight				kg	
2-2		Axle loading with load, front / rear				kg	
2-3		Axle loading without load, front / rear				kg	
WHEELS							
3-1		Tyre type		Pneumatic			
3-2		Tyre size, front		8.25x15 14PR			
3-3		Tyre size, rear		8.25x15 14PR			
3-5		Wheels, number front / rear (x = driven wheels)		x4 / 2			
3-6		Tread, front		b10		mm	
3-7		Tread, rear		b11		mm	
DIMENSIONS							
4-1		Mast tilt, forward / backward		α/β		deg	
4-2		Height, mast lowered (1)		h1		mm	
4-3		Free lift (1)		h2		mm	
4-4		Lift (1)		h3		mm	
4-5		Height, mast extended (2)		h4		mm	
4-7		Height of overhead guard (3)		h6		mm	
4-7-1		Height of cab		h6		mm	
4-8		Seat height to SIP		h7		mm	
4-19		Overall length		l1		mm	
4-20		Length to face of forks		l2		mm	
4-21		Overall width		b1/b2		mm	
4-22		Fork dimensions ISO 2331		s/e/l		mm	
4-23		Fork carriage type				mm	
4-24		Fork carriage width (5)		b3		mm	
4-31		Ground clearance, laden, below mast (4)		m1		mm	
4-32		Ground clearance, centre of wheelbase		m2		mm	
4-33		Load dimensions b12 x l6 crossways		b12/l6		mm	
4-34		Aisle width with predetermined load dimensions (9)		Ast		mm	
4-34-2		Aisle width with pallets 800 wide x 1 200 crossways (9)		Ast		mm	
4-35		Outside turning radius		Ws		mm	
4-36		Internal turning radius (6)		b13		mm	
PERFORMANCE							
5-1		Travel speed, with / without load (5)				km/h	
5-1-1		Travel speed, with load / without load backwards (5)				km/h	
5-2		Lifting speed, with / without load (5)				m/s	
5-3		Lowering speed with / without load				m/s	
5-5		Drawbar pull, with / without load (5)				N	
5-6		Maximum drawbar pull, with / without load				N	
5-7		Gradeability, with / without load (5)				%	
5-8		Maximum gradeability, with / without load				%	
5-9		Acceleration time, with / without load (5)				sec	
5-10		Service brake		Hydraulic			
ELECTRIC DRIVE							
6-1		Drive motor rating S2 60 min				kW	
6-2		Lift motor rating at S3 15%				kW	
6-3		Battery according to DIN 43531/35/36 A, B, C, no		no			
6-4		Battery voltage / nominal capacity K5 (7)		V		Ah	
6-5		Battery weight (min/max)				kg	
6-6		Energy consumption according to VDI cycle				kWh	
ADDITIONAL DATA							
10-1		Operating pressure for attachments				bar	
10-2		Oil volume for attachments				l	
10-7		Sound pressure level at the driver's seat (with/without cab) (8)				dB	
10-8		Towing coupling, type DIN		Yes / Pin			
				600		900	
				609		614	
				2,235			
				10,902		11,979	
				15,193		2,710	
				16,583		2,396	
				4,406		6,496	
				4,843		7,136	
				Pneumatic			
				8.25x15 14PR			
				8.25x15 14PR			
				x4 / 2			
				b10		mm	
				b11		mm	
				α/β		deg	
				5° / 10°		5° / 9°	
				h1		mm	
				2,540		2,712	
				h2		mm	
				100		0	
				h3		mm	
				2,940		3,000	
				h4		mm	
				4,040		4,225	
				h6		mm	
				2,531			
				h6		mm	
				2,549			
				h7		mm	
				1,547			
				l1		mm	
				4,695		4,770	
				l2		mm	
				3,495		3,570	
				b1/b2		mm	
				2,082 / 1,784			
				s/e/l		mm	
				60		150	
				1,200		65	
				200		1,200	
				IV A			
				b3		mm	
				1,980		2,030	
				m1		mm	
				125		175	
				m2		mm	
				246			
				b12/l6		mm	
				1 000 x 1 200			
				Ast		mm	
				4,889		4,959	
				Ast		mm	
				5,089		5,159	
				Ws		mm	
				3,080		3,145	
				b13		mm	
				-90			
						24 / 24	
						24 / 24	
						0.43 / 0.66	
						0.41 / 0.46	
						0.58 / 0.53	
						0.41 / 0.37	
						48871 / 25907	
						48871 / 28506	
						49547 / 25907	
						30 / 24	
						28 / 24	
						30 / 24	
						28 / 24	
						9.15 / 8.76	
						- / -	
				Hydraulic			
						45	
						60.0	
				no			
				V		Ah	
						360 / 192	
						664	
				kWh		h	
						18.9	
						20.6	
						173	
						92.7	
						68 / 67	
				Yes / Pin			

GENERAL	1-1	Manufacturer	HYSTER					
	1-2	Model designation	J8.OXNSL	J8.OXNL9		J9.OXNL		
WEIGHT	1-3	Powertrain / drivetrain	Electric (battery)					
	1-4	Operator type	Seated					
WHEELS	1-5	Rated capacity / rated load	Q	kg		8,000		9,000
	1-6	Load centre distance	c	mm		600	900	600
DIMENSIONS	1-8	Load distance	x	mm		614	663.5	613.5
	1-9	Wheelbase	y	mm		2,235	2,450	2,450
PERFORMANCE	2-1	Service weight	kg		11,979	12,265	11,524	
	2-2	Axle loading with load, front / rear	kg		17,187 / 2,793	18,428 / 1,836	18,440 / 2,083	
ADDITIONAL DATA	2-3	Axle loading without load, front / rear	kg		4,843 / 7,136	5,323 / 6,942	4,983 / 6,541	
	3-1	Tyre type	Pneumatic					
ELECTRIC DRIVE	3-2	Tyre size, front	8.25x15 14PR					
	3-3	Tyre size, rear	8.25x15 14PR					
GENERAL	3-5	Wheels, number front / rear (x = driven wheels)	x4 / 2					
	3-6	Tread, front	b ₁₀	mm		1,847	2,003	
WEIGHT	3-7	Tread, rear	b ₁₁	mm		1,536	1,536	1,536
	4-1	Mast tilt, forward / backward	α/β	deg		5° / 9°		
DIMENSIONS	4-2	Height, mast lowered ⁽¹⁾	h ₁	mm		2,712	3,462	2,712
	4-3	Free lift ⁽¹⁾	h ₂	mm		0		
PERFORMANCE	4-4	Lift ⁽¹⁾	h ₃	mm		3,000	4,500	3,000
	4-5	Height, mast extended ⁽²⁾	h ₄	mm		4,225	5,899	4,225
DIMENSIONS	4-7	Height of overhead guard ⁽³⁾	h ₆	mm		2,531		
	4-7-1	Height of cab	h ₆	mm		2,549		
WEIGHT	4-8	Seat height to SIP	h ₇	mm		1,547	1,558	1,547
	4-19	Overall length	l ₁	mm		4,770	5,238	5,238
DIMENSIONS	4-20	Length to face of forks	l ₂	mm		3,570	4,038	4,038
	4-21	Overall width	b ₁ /b ₂	mm		2,082 / 1,784	1,771 / 2,239	
PERFORMANCE	4-22	Fork dimensions ISO 2331	s/e/l	mm		60 / 200 / 1,200		
	4-23	Fork carriage type	IV A					
DIMENSIONS	4-24	Fork carriage width ⁽⁵⁾	b ₃	mm		2,030		
	4-31	Ground clearance, laden, below mast ⁽⁴⁾	m ₁	mm		125	175	125
PERFORMANCE	4-32	Ground clearance, centre of wheelbase	m ₂	mm		246	253	
	4-33	Load dimensions b ₁₂ x l ₆ crossways	b ₁₂ /l ₆	mm		1 000 x 1 200		
DIMENSIONS	4-34	Aisle width with predetermined load dimensions ⁽⁹⁾	Ast	mm		4,959	5,658	5,537
	4-34-2	Aisle width with pallets 800 wide x 1 200 crossways ⁽⁹⁾	Ast	mm		5,159	5,858	5,737
PERFORMANCE	4-35	Outside turning radius	W _a	mm		3,145	3,794	
	4-36	Internal turning radius ⁽⁶⁾	b ₁₃	mm		-90	362	
WEIGHT	5-1	Travel speed, with / without load ⁽⁵⁾	km/h		24 / 24	21 / 21		
	5-1-1	Travel speed, with load / without load backwards ⁽⁵⁾	km/h		24 / 24	24 / 21	21 / 21	
PERFORMANCE	5-2	Lifting speed, with / without load ⁽⁵⁾	m/s		0.40 / 0.46	0.32 / 0.41	0.36 / 0.46	
	5-3	Lowering speed with / without load	m/s		0.51 / 0.37	0.38 / 0.33		
DIMENSIONS	5-5	Drawbar pull, with / without load ⁽⁵⁾	N		48871 / 25806	48933 / 31331	48933 / 29330	
	5-6	Maximum drawbar pull, with / without load	N		49547 / 25806	49430 / 31331	49430 / 29330	
PERFORMANCE	5-7	Gradeability, with / without load ⁽⁵⁾	%		26 / 24	26 / 26		
	5-8	Maximum gradeability, with / without load	%		27 / 24	26 / 26		
WEIGHT	5-9	Acceleration time, with / without load ⁽⁵⁾	sec		- / -	8.88 / 7.69	- / -	
	5-10	Service brake	Hydraulic					
ELECTRIC DRIVE	6-1	Drive motor rating S2 60 min	kW		45			
	6-2	Lift motor rating at S3 15%	kW		60.0			
ADDITIONAL DATA	6-3	Battery according to DIN 43531/35/36 A, B, C, no	no					
	6-4	Battery voltage / nominal capacity K5 ⁽⁷⁾	V	Ah		360 / 192		
PERFORMANCE	6-5	Battery weight (min/max)	kg		664			
	6-6	Energy consumption according to VDI cycle	kWh	h		20.6		
ADDITIONAL DATA	10-1	Operating pressure for attachments	bar		173			
	10-2	Oil volume for attachments	l		92.7			
WEIGHT	10-7	Sound pressure level at the driver's seat (with/without cab) ⁽⁸⁾	dB		68 / 67			
	10-8	Towing coupling, type DIN	Yes / Pin					

J7.OXNSL RATED CAPACITY KG@ 600 MM LOAD CENTRE

	Maximum fork height h ₃ + s (mm)	Back tilt (°)	Lowered height h ₁ (mm)	Extended height h ₄ (mm)	Free lift height h ₂ + s (m) ⁽²⁾	8.25 x 15-14 Dual pneumatic drive tyres		
						Carriage without sideshift (kg)		Carriage with ISS (kg)
						J7.OXNSL	J7.OXNSL	J7.OXNSL
2-STAGE LIMITED FREE LIFT	3000	10	2516	4417	100	7000	6830	6500
	3400	10	2716	4817	100	7000	6810	6490
	4400	10	3216	5817	100	7000	6770	6450
	5400	10	3716	6817	100	7000	6730	6420
3-STAGE FULL FREE LIFT	6000	10	4116	7417	100	6830	6530	6230
	4700	6	2576	6118	100	7000	6510	6210
	5600	6	2876	7018	100	6920	6410	6120
	6200	6	3126	7618	100	6750	6210	5930

J7.OXNSL9 RATED CAPACITY KG@ 900 MM LOAD CENTRE / J8.OXNSL / J9.OXNL RATED CAPACITY KG@ 600 MM LOAD CENTRE

	Maximum fork height h ₃ + s (mm)	Back tilt (°)	Lowered height h ₁ (mm)	Extended height h ₄ (mm)	Free lift height h ₂ + s (m) ⁽²⁾	8.25 x 15-14 Dual pneumatic drive tyres								
						Carriage without sideshift (kg)			Carriage with sideshift (kg)			Carriage with ISS (kg)		
						J7.OXNSL9	J8.OXNSL	J9.OXNL	J7.OXNSL9	J8.OXNSL	J9.OXNL	J7.OXNSL9	J8.OXNSL	J9.OXNL
2-STAGE LIMITED FREE LIFT	3065	9	2712	4350	0	7000	8000	9000	6600	8000	8500	6560	8000	8460
	3565	9	2962	4850	0	7000	8000	9000	6590	8000	8490	6550	8000	8440
	4565	9	3462	5850	0	7000	8000	9000	6570	8000	8470	6530	8000	8420
	5565	9	3962	6850	0	7000	8000	8700	6550	8000	8170	6510	8000	8130
3-STAGE FULL FREE LIFT	6065	9	4212	7350	0	6760	7730	8080	6320	7730	7580	6290	7730	7530
	4615	6	2702	6077	1565	7000	8000	9000	6580	8000	8500	6560	8000	8470
	5515	6	3002	7977	1865	7000	8000	8820	6560	8000	8310	6540	8000	8280
	5965	6	3152	7427	2015	6950	7940	8270	6510	7940	7780	6480	7940	7750

J8.OXNL9 RATED CAPACITY KG@ 900 MM LOAD CENTRE

	Maximum fork height h ₃ + s (mm)	Back tilt (°)	Lowered height h ₁ (mm)	Extended height h ₄ (mm)	Free lift height h ₂ + s (m) ⁽²⁾	8.25 x 15-14 Dual pneumatic drive tyres		
						Carriage without sideshift (kg)		Carriage with ISS (kg)
						J8.OXNL9	J8.OXNL9	J8.OXNL9
2-STAGE LIMITED FREE LIFT	3065	9	2712	4390	0	8000	7600	7580
	3565	9	2962	4898	0	8000	7590	7560
	4565	9	3462	5898	0	8000	7550	7530
	5565	9	3962	6898	0	7910	7440	7410
3-STAGE FULL FREE LIFT	6065	9	4212	7398	0	7760	7280	7260
	4615	6	2712	6125	1405	8000	7570	7550
	5515	6	3012	7025	1705	7760	7320	7290
	5965	6	3162	7475	1855	7630	7180	7150

NOTES:

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.

- (1) For STD 2LFL Mast Config.
- (2) W/o load backrest.
- (3) OHG Only, No Cab.
- (4) Under Mast Channels.
- (5) Extended Shift Off (Max Performance)
- (6) 7@6, 7T@9 and 8T@6 Capacities shown w/ Brake Turn Assist
- (7) Nominal values
- (8) W/ cab values from 9T, W/o cab values from 7T
- (9) Includes 200mm aisle clearance

All capacities are according to EN1551.

NOTICE:

Care must be exercised when handling elevated loads. 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 are subject to change without notice.

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

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.

Specification data is based on VDI 2198.



Safety: This truck conforms to the current EU and ANSI requirements.

STANDARD EQUIPMENT AND OPTIONS

LIFT	STD	OPT
2 Stage Limited Free Lift Mast	X	
3 Stage Full Free Lift Mast		X
Lift Height - 3000mm (2540mm Lowered Height) - J7.0XNSL	X	
Lift Height - 3065mm (2715mm Lowered Height) - J8.0XNSL J8.0XNL9 J9.0XNL	X	
Various other Lift Heights		X
Mast Tilt - 5° Forward / 10° Back - J7.0XNSL	X	
Mast Tilt - 5° Forward / 9° Back - J8.0XNSL J8.0XNL9 J9.0XNL	X	
Mast Tilt - 5° Forward / 6° Back		X
Mast Tilt - 9° Forward / 5° Back		X
DRIVE	STD	OPT
Traction Speed Limiter (Adjustable)	X	
8.25 x 15-14 PR Pneumatic Drive Tyres	X	
8.25 x R15 Pneumatic Radial Drive Tyres		X
8.25 x 15 Super Elastic Drive Tyres		X
300 x 15 Super Elastic Drive Tyres		X
355/65-20 Super Elastic Drive Tyres		X
355/50-20 Super Elastic Drive Tyres		X
8.25 x 15 Non-Marking Super Elastic Drive Tyres		X
8.25 x 15 Non-Marking Pneumatic Shaped Solid Drive Tyres		X
8.25 x 15-14 PR Pneumatic Steer Tyre	X	
8.25 x R15 Pneumatic Radial Steer Tyre		X
300 x 15 Super Elastic Steer Tyre		X
8.25 x 15 Super Elastic Steer Tyre		X
8.25 x 15 Non-Marking Super Elastic Steer Tyre		X
8.25 x 15 Non-Marking Pneumatic Shaped Solid Steer Tyre		X
HANDLING	STD	OPT
TouchPoint™ mini lever hydraulic controls	X	
TouchPoint™ mini lever hydraulic controls, designed for clamping applications		X
TouchPoint™ mini lever hydraulic controls with Return to Set Tilt		X
TouchPoint™ mini lever hydraulic controls with Return to Set Tilt, designed for Clamping applications		X
1980mm Hook Type Carriage	X	
1805mm Hook Type Carriage		X
2030mm Hook Type Carriage		X
2030mm Hook Type Heavy Duty Carriage		X
1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL		X
1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL		X
1980mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL		X
2030mm Integral Sideshift Carriage		X
2030mm Heavy Duty Integral Sideshift Carriage		X
2030mm Integral Sideshift Carriage with fork positioner - J8.0XNSL J8.0XNL9 J9.0XNL		X
2030mm Heavy Duty Integral Sideshift Carriage with fork positioner - J8.0XNSL J8.0XNL9 J9.0XNL		X
1220mm High Load Backrest		X
Hook Type Forks 60 x 150 x 1200mm - J7.0XNSL	X	
Hook Type Forks 65 x 200 x 1200mm - J8.0XNSL J8.0XNL9 J9.0XNL	X	
ERGONOMICS	STD	OPT
2531mm Overhead Guard	X	
Full Steel Cab		X
Grammer Air-Suspension Seat Cloth		X
Grammer Air-Suspension Seat Vinyl	X	
HI VIS Red Seat Belt with Interlock	X	
Seat Belt with Sequential Interlock		X
Steering Wheel with Spinner Knob	X	
Steering Wheel without Spinner Knob		X

STANDARD EQUIPMENT AND OPTIONS

ERGONOMICS (continued)	STD	OPT
Dual Mirrors Side View		X
Rear Drive Handle with Horn Button		X
Recirculation Fan		X
Integrated Directional Switch		X
12V Outlet - automotive style socket on dash		X
OPERATION	STD	OPT
Audible Reverse Alarm		X
Pedestrian Awareness Light (P.A.L.)		X
Amber Strobe Light	X	
Key Switch Start	X	
Key Switch Start with Operator Password		X
Push Button Start with Operator Password		X
Keyless Toggle Switch Start with Toggle		X
Operator Password Start		X
Operator Pre-Shift Electronic Checklist		X
Hyster Tracker Wireless Access		X
Hyster Tracker Wireless Verification		X
Hyster Tracker Wireless Monitoring		X
Load Weight Display		X
Low Mount Display	X	
High Mount Display		X
Single Pedal Inch Brake	X	
MONOTROL™		X
Oil-immersed Brakes	X	
2 Front / 2 Rear Lifting Eyes		X
System Monitoring Package		X
Impact Sensor		X
Hydraulic Accumulator		X
Fire Extinguisher		X
VISIBILITY	STD	OPT
Rear Mounted Colour Camera with LCD Display		X
2 Front and 1 Rear LED Work Lights		X
Two Front and One Rear LED Work Lights with Stop, Tail and Reverse Lights		X
2 Front and 1 Rear LED Work Lights with Stop, Tail, Indicator & Reverse Lights		X
2 Front LED Work Lights with Side, Stop, Tail, & Reverse Lights		X
BATTERIES	STD	OPT
Lithium-ion Type Battery 358 Volt 192 Ah	X	
APPEARANCE	STD	OPT
Additional Nameplate		X
Nameplate Modification		X
Parts Manual - Printed		X
SUPPLEMENTAL	STD	OPT
I-C-500-125 (Amp) Charge Station BorgWarner 50Hz, 400VAC, Three phase		X
Literature Pack		X
CE Certification	X	
24 Months / 4,000 hours Manufacturers' Warranty	X	
36 Months / 6,000 hours Extended Warranty		X



HYSTER EUROPE
Centennial House, Building 4.5, Frimley Business Park,
Frimley, Surrey, GU16 7SG, United Kingdom

Visit us online at www.hyster.com or call us at **+44 (0) 1276 538500**.

HYSTER-YALE UK LIMITED trading as Hyster Europe.
Registered Address: Centennial House, Building 4.5, Frimley Business Park, Frimley, Surrey GU16 7SG, United Kingdom.
Registered in England and Wales. Company Registration Number: 02636775.
© HYSTER-YALE UK LIMITED. 2024, all rights reserved. Hyster and  are trademarks of Hyster-Yale Group, Inc.
Hyster products are subject to change without notice. Trucks may be shown with optional equipment.



Safety: This truck conforms to the current EU requirements