

J6-7XD-EC3-4

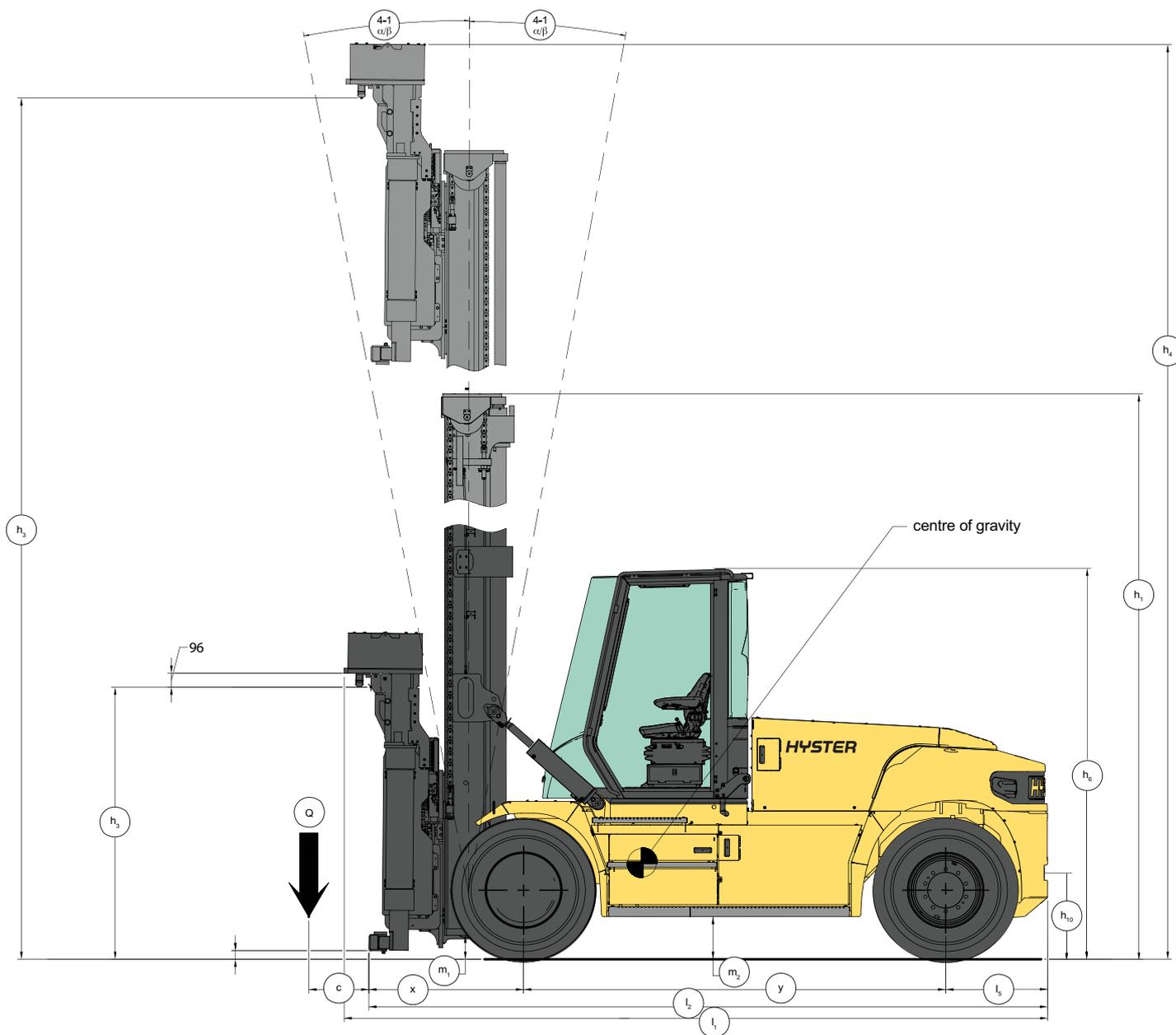


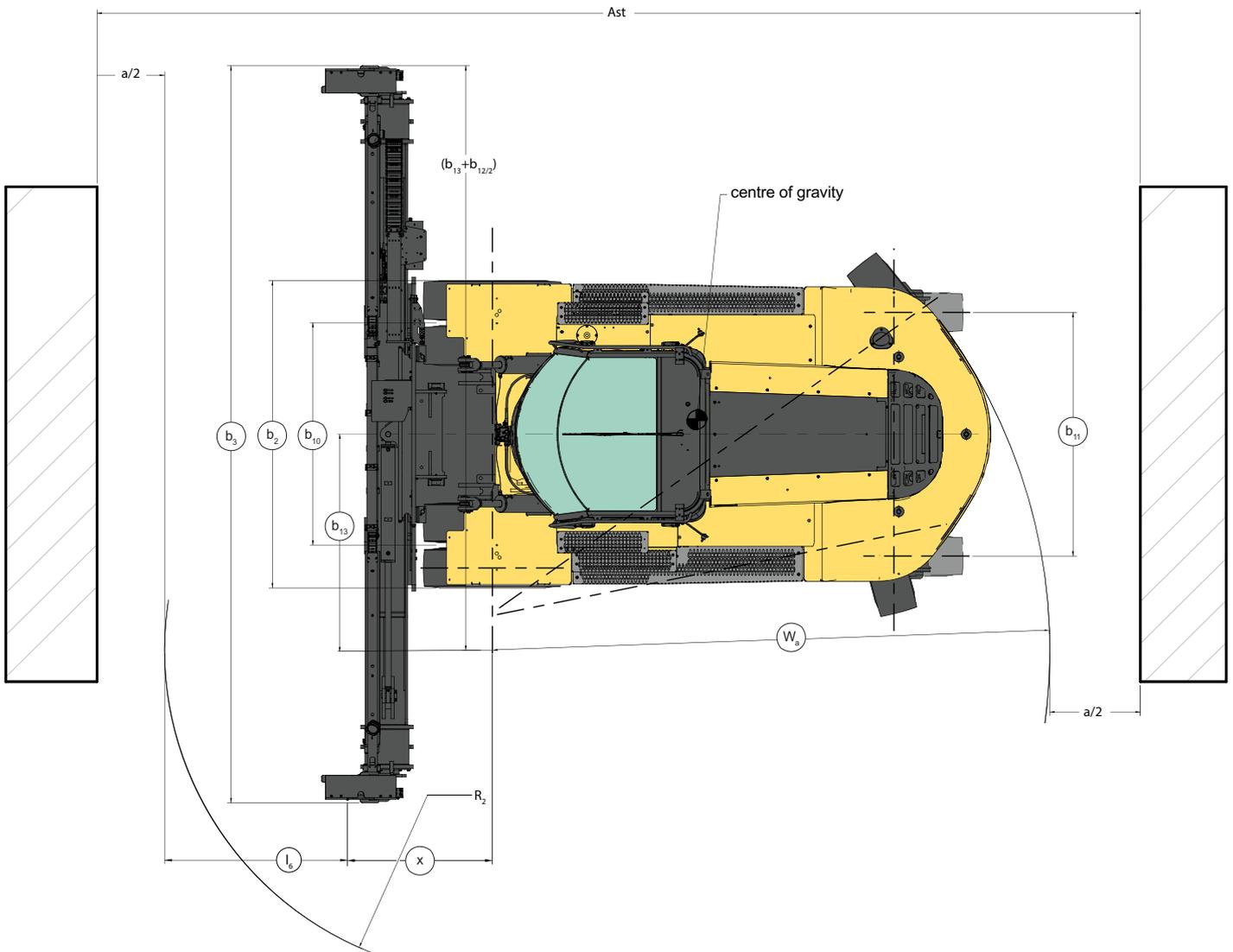
ELECTRIC EMPTY CONTAINER HANDLER

PRODUCT TECHNICAL GUIDE

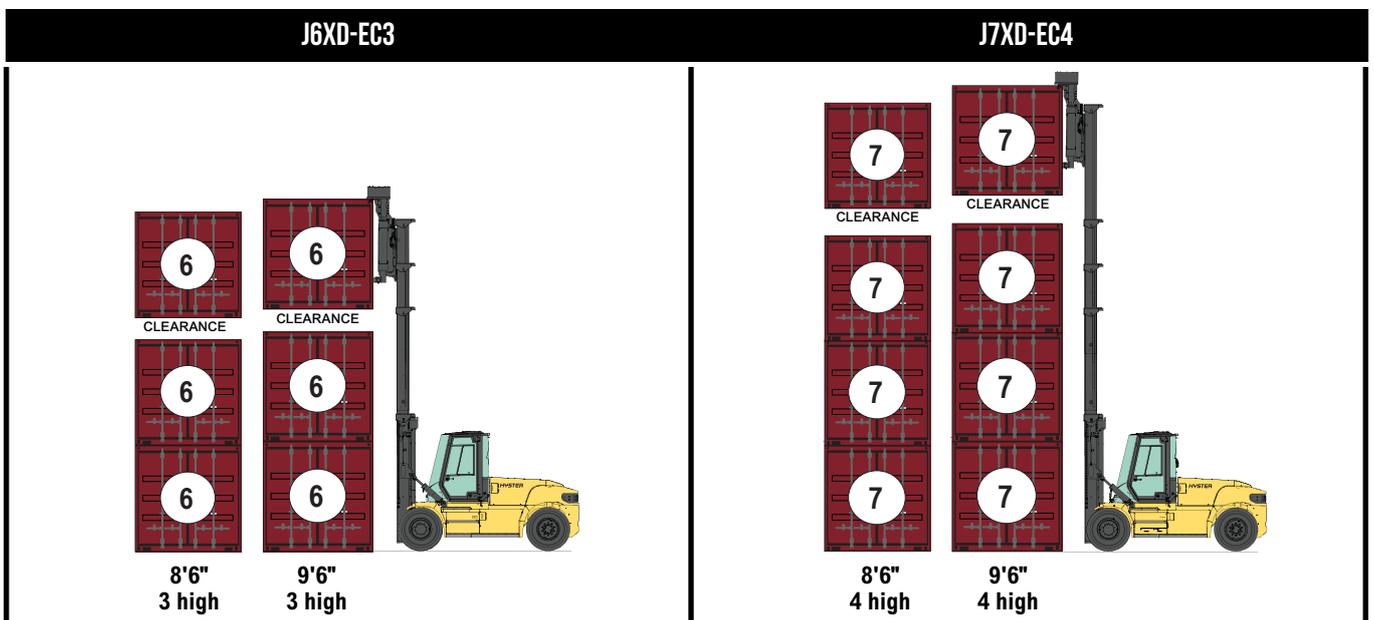


DIMENSIONS





RATED CAPACITIES AND STACKING HEIGHTS



J6-7XD-EC3-4 SPECIFICATIONS

				Hyster				
				J6XD-EC3		J7XD-EC4		
GENERAL	1-1	Manufacturer						
	1-2	Model designation						
	1-3	Powertrain/drivetrain		Electric				
	1-4	Operator type		Seated				
	1-5	Load capacity at load centre, nominal	Q	kg	6000	7000		
	1-6	Load centre	C ¹	mm	1220	1220		
	1-8	Load distance (588 TB spreader / 586 TB spreader)	x	mm	1133	1210	1133 1210	
	1-9	Wheelbase	y	mm	3300		3300	
	1-10	Stacking height at first row (number x container height, in feet)			3 X 8'6"	3 X 9'6"	4 X 8'6" 4 X 9'6"	
	WEIGHT	2-1	Service weight*		22637		16020	
2-2		Axle loading with load, front / rear		24310	4327	26163	2357	
2-3		Axle loading without load, front / rear		14032	8605	15.405	8430	
WHEELS	3-1	Tyre type		Pneumatic				
	3-2	Tyre size, front		10.00-20 20PR				
	3-3	Tyre size, rear		10.00-20 20PR				
	3-5	Number of tyres, front / rear (X driven)		x4 / 2				
	3-6	Tread, front	b ₁₀	mm	1842	2469		
	3-7	Tread, rear	b ₁₁	mm	2018	2018		
	DIMENSIONS	4-1	Mast tilt, forward / backward		α/β			
4-2		Height, mast lowered (1)	h ₁	mm	5193	6693		
4-3		Freelift	h ₂	mm	-	-		
4-4-1		Spreader distance from ground to twistlocks, minimum.	h _{3.1.1}	mm	2151			
4-4-2		Spreader distance from ground to twistlocks, maximum.	h _{3.1.2}	mm	9061	12061		
4-5		Height, mast extended	h ₄	mm	9459	12459		
4-7		Height of overhead guard (open cab)	h ₆	mm	3083			
4-7-1		Height of overhead guard (closed cab)	h ₆	mm	3110			
4-7-2		Height of overhead guard (closed cab w/ airco)	h ₆	mm	3110			
4-7-3		Height of overhead guard (closed cab w/ strobe lights)	h ₆	mm	3205			
4-7-4		Height of overhead guard (closed cab w/ work lights)	h ₆	mm	3259			
4-7-5		Height of overhead guard (closed cab w/ airco & strobe lights)	h ₆	mm	3235			
4-8		Seat height to SIP (2)	h ₇	mm	1903			
4-12		Coupling height	h ₁₀	mm	689			
4-17		Overhang	l ₅	mm	795			
4-19		Overall length (588 TB spreader / 586 TB spreader)	l ₁	mm	5441	5518	5441 5518	
4-20		Length to face of side lift spreader (588 TB spreader / 586 TB spreader)	l ₂	mm	5228	5305	5228 5305	
4-21		Overall width across drive tyres	b ₂	mm	2541		3168	
4-24		Attachment width, retracted/extended	b ₃	mm	6106	12238	6106 12238	
4-30		Sideshift	b ₉ /b ₅	mm	400			
4-31		Ground clearance, under mast (without load)	m ₁	mm	245			
4-32		Ground clearance, centre of wheelbase (without load)	m ₂	mm	341			
4-33		Aisle width with 20' container without operating clearance (588 TB / 586 TB)			8722	8813	8722 8813	
4-33-1		Aisle width with 20' container with 200 mm operating clearance (588 TB / 586 TB)	b x l	mm	8922	9013	8922 9013	
4-33-2		Aisle width with 20' container with 10% operating clearance (588 TB / 586 TB)	Ast	mm	9594	9694	9594 9694	
4-34		Aisle width with 40' container without operating clearance (588 TB / 586 TB)	Ast	mm	13558	13619	13558 13619	
4-34-1		Aisle width with 40' container with 200 mm operating clearance (588 TB / 586 TB)	Ast	mm	13758	13819	13758 13819	
4-34-2		Aisle width with 40' container with 10% operating clearance (588 TB / 586 TB)	b x l	mm	14914	14981	14914 14981	
4-35		Outside turning radius	Wa	mm	4573			
4-36		Internal turning radius	b ₁₃	mm	1777			
PERFORMANCE		5-1	Travel speed, with / without load**		25			
		5-2	Lifting speed, with / without load		0.60	0.60	0.58	0.60
	5-3	Lowering speed, with / without load		0.54	0.48	0.54	0.48	
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		kN	31	32	31 32	
	5-6	Drawbar pull - max, with / without load		kN	63	64	63 64	
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (3)		%	11	15	10 13	
	5-8	Gradeability - max, with / without load (3)		%	23	20	20 27	

(1) Unladen with new tyres

(2) Full Suspension Seat in Depressed Position

(3) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

*Truck models based on 1 pack battery and 588TB spreader

**Travel speed laden/unladen limited at 25 km/h as factory default

***Battery slabs included if necessary

BATTERY SPECIFICATIONS

ELECTRIC MOTOR	1-1	Manufacturer			Hyster	
	1-2	Model designation			J6XD-EC3	J7XD-EC4
	1-3	Powertrain / drivetrain			Electric	
	6-1	Drive motor rating S2 60 min		kW	46	
	6-2	Lift motor rating at S3 15%		kW	165	
	6-3	Battery according to DIN 43531/35/36 A, B, C			No	
	6-4	Battery voltage/nominal capacity 1 Pack***		V / Ah	363 / 192	
	6-4-1	Battery voltage/nominal capacity 2 Pack***		V / Ah	363 / 384	
	6-4-2	Battery voltage/nominal capacity 3 Pack		V / Ah	363 / 576	
	6-5	Battery weight 1 Pack***		kg	1459	1679
	6-5-1	Battery weight 2 Pack***		kg	1492	1712
	6-5-2	Battery weight 3 Pack***		kg	1754	
	6-6	Energy consumption according to VDI cycle		kWh	-	
DRIVE	8-0	Drive control / transmission		Type	-	
	8-1	Type of drive unit		Type	AC Electric	
	8-2	Transmission manufacturer / type		Type	-	
	8-3	Wheel drive / drive axle manufacturer / type		Type	Kessler / D81	
	8-4	Service brake		Type	Oil-immersed / wet disc	
8-5	Parking brake		Type	Dry disc on drive axle		
MISC	10-1	Operating pressure for attachments		MPa	14	
	10-2	Oil volume for attachments		l/m	100	
	10-3	Hydraulic tank capacity		l	109	
	10-5	Steering design		Type	Hydraulic power steering	
	10-6	Number of steering rotations		#	5	
	10-7	Sound pressure level at the driver's seat		dB (A)	69.6	
	10-7-1	Sound power level during the working cycle		dB (A)	98.1	

(1) Unladen with new tyres

(2) Full Suspension Seat in Depressed Position

(3) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

*Truck models based on 1 pack battery and 588TB spreader

**Travel speed laden/unladen limited at 25 km/h as factory default

***Battery slabs included if necessary

J6XD-EC3 / J7XD-EC4 - RATED CAPACITY IN KG @ 1220MM LOAD CENTRE							
	Lift height TOF h3+s (mm)	Overall Lowered Height h1 (mm)	Overall Extended Height h4 (mm)	586 TB SPREADER (kg)		588 TB SPREADER (kg)	
				J6XD-EC3	J7XD-EC4	J6XD-EC3	J7XD-EC4
EC3	6910	5193	9459	6000	-	6000	-
EC4	9910	6693	12459	-	7000	-	7000

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4)

FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Integrated high voltage (350V) Li-Ion battery	x	
Drive Motor 108kW Peak	x	
Lift Motor 166kW Peak	x	
1 battery pack		x
2 battery packs	x	
3 battery packs		x
111cc Dual pump hydraulic system	x	
Combined Charging System 1 (CCS1)		x
Combined Charging System 2 (CCS2)	x	
Performance levels	x	
Kessler drive axle with wet brakes	x	
DRIVE	STD	OPT
Travel Speed Limiter - unconditional and customer adjustable		x
Travel Speed Limiter - based on load weight (adjustable)	x	
10.00 - 20 20PR Trelleborg Pneumatic Bias Ply drive and steer tyres	x	
10.00 - R20 Michelin XZM Radial drive and steer tyres		x
10.00 - R20 Trelleborg Radial drive and steer tyres		x
10.00 - 20 Pneumatic Shaped Solid drive and steer tyres		x
Spare wheels and tyres		x
LIFT	STD	OPT
On-Demand Load Sensing Hydraulic System	x	
2 Stage Non Free Lift mast	x	
Mast tilt - 5° forward / 6° back	x	
Mast tilt indicator - mechanical		x
Hydraulic Accumulator		x
Pressure compensated lowering	x	
Hydraulic System Temperature Protection		x
HANDLING	STD	OPT
Hyster 586TB single spreader, with removable blocks for ISO or wide containers		x
Hyster Model 588TB single spreader	x	
CANBus spreader controls	x	
Mechanical Pile Slope	x	
'+/- 15/7" (400mm) sideshift	x	
ERGONOMICS	STD	OPT
Enclosed operator cabin	x	
Manual tilt operator compartment for service	x	
Powered tilt operator compartment for service		x
Isolated cabin mounting for low noise and vibration	x	
Operator presence system	x	
Mechanical suspension seat	x	
Air suspension seat		x
Deluxe air suspension seat		x
Low backrest seat	x	
High backrest seat		x
Additional armrest on left side	x	
Cloth seat cover	x	

ERGONOMICS (CONTINUED)	STD	OPT
Vinyl seat cover		x
Seat heating		x
Seat ventilation		x
2-point high visibility seatbelt	x	
3-point high visibility seatbelt		x
Lateral seat sliding mechanism		x
Floor mat	x	
Coat hook	x	
Front, top and rear wipers with individual controlled washers	x	
"H"-pattern front wiper (Enclosed operator cabin)		x
"I"-pattern front wiper (Enclosed operator cabin)	x	
Intermittent wipers	x	
Top window with armoured glass (Enclosed operator cabin)	x	
Steel bars under armoured glass top window (enclosed operator cabin)		x
Tinted operator compartment windows (all)		x
Tinted operator compartment top window		x
Right side door	x	
Wire mesh installed on top of operator compartment		x
7" Integrated performance display	x	
Joystick hydraulic control integrated in control arm	x	
Steering wheel with spinner knob	x	
Directional control lever on steering column		x
Directional control on joystick	x	
Park brake - automatically applied	x	
Heater with adjustable speed fan (enclosed operator cabin)	x	
Telescoping and tilting steering column	x	
USB outlet inside armrest	x	
24-12 DC converter with 1 sockets and 2 USB outlets		x
24-12 DC converter with 2 sockets and 2 USB outlets		x
Automatic climate control		x
Reading light		x
Sun shades on top and rear		x
Sun visors front window		x
Trainer seat		x
Recirculation fan		x
Accessory mounting bracket on cab front right pillar		x
Heated top- and/or rear window		x
Radio preparation set-up (wiring, two speakers and antenna)		x
Bluetooth radio with 2 speakers and antenna		x

FEATURES AND OPTIONS

VISIBILITY	STD	OPT
Interior wide angle mirrors	x	
Exterior mirrors mounted to cab		x
Rear view camera system		x
Radar object detection system		x
LED work lights	x	
High Performance LED work lights		x
Two head lights mounted on front fenders	x	
Four forward work lights mounted on the cabin	x	
Two rearward work lights mounted on the cabin	x	
LED twistlock indicator lights	x	
LED stop/tail/brake lights	x	
Turn signals, hazard and marker lights (LED)	x	
OPERATION	STD	OPT
Air horn 112 dBA		x
Electric horn 105 dBA	x	
Visible alarm – amber strobe light, ignition activated	x	
Audible alarm – reverse direction activated 82–102 dB(a), self-adjusting		x
Audible alarm – reverse direction white noise		x
Blue LED spotlight – rear / front and rear		x
Hydraulic load weighing system		x
Tyre pressure monitoring system		x
Air-conditioning or automatic climate control off with open door		x
Lockable battery disconnect switch		x
Battery jump start connector (NATO plug)		x
Truck Start with key switch and start button	x	
Operator password (display) for truck start		x
Seatbelt interlock on sequence for truck start		x
Fuses partially replaced by electric circuit breakers		x
Hyster Tracker Wireless Monitoring (Level 1)	x	
Hyster Tracker Wireless Access (Level 2)		x
Hyster Tracker Wireless Verification (Level 3)		x
Auto greasing system for basic truck and outer mast		x
24 volt electrical system	x	
Steer wheel lug nut protection		x
Front mud flaps		x
Rear mud flaps		x
Lifting eyes - 2 front and 2 rear		x
APPEARANCE	STD	OPT
Hyster yellow paint base truck	x	
Special paint base truck		x
Operator compartment special paint		x
Hazard warning striping on counterweight		x
SUPPLEMENTAL	STD	OPT
Literature package	x	
Operator's manual	x	
CE certification	x	
Warranty: 24 Months / 4,000 Hours Parts manufacturer's warranty, 60 Months / 10,000hrs Factory Installed Integrated Li-Ion Battery Warranty*	x	

*Please see full Warranty Statement for additional details



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 Materials Handling, Inc. 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.
©2025 Hyster-Yale Materials Handling, Inc. 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