



**STRONG PARTNERS.
TOUGH TRUCKS.™**



P2.0SD SERIES TECHNICAL GUIDE



WWW.HYSTER.COM

> P2.0SD

GENERAL	1-1	Manufacturer			HYSTER			HYSTER			HYSTER		
	1-2	Model designation			P2.0SD			P2.0SD platform with side protection (Biga)			P2.0SD platform with side protection (Bob)		
WEIGHT	1-3	Drive			Battery			Battery			Battery		
	1-4	Operator type			Pedestrian / Stand-on			Stand-on			Stand-on		
DIMENSIONS	1-5	Rated capacity / rated load	Q ₁	t	1 + 1			1 + 1			1 + 1		
	1-6	Load centre distance	c	mm	600			600			600		
	1-8	Load distance, centre of drive axle to fork	x	mm	996			996			996		
	1-9	Wheelbase	y	mm	1706			1706			1706		
	2-1	Service weight (1)		kg	1081			1138			1126		
WHEELS	2-2	Axle loading with load, front / rear		kg	1127	1954 (3)		1938	1200		1938	1188	
	2-3	Axle loading without load, front / rear		kg	772	309 (3)		294	844		294	832	
DIMENSIONS	3-1	Tyre type			NDIIThane / NDIIThane			NDIIThane / NDIIThane			NDIIThane / NDIIThane		
	3-2	Tyre size, front	ø	mm x mm	254 x 90 (3)			85 x 74			85 x 74		
	3-3	Tyre size, rear	ø	mm x mm	85 x 74 (3)			254 x 90			254 x 90		
	3-4	Additional wheels (dimensions)	ø	mm x mm	125 x 50			125 x 50			125 x 50		
	3-5	Wheels, number front / rear (x = driven wheels)			1x + 1	4 (3)		4	1x + 1		4	1x + 1	
	3-6	Tread, front	b ₁₀	mm	500 (3)			377			377		
	3-7	Tread, rear	b ₁₁	mm	377 (3)			500			500		
	4-2	Height, mast lowered	h ₁	mm	1560			1560			1560		
	4-3	Free Lift	h ₂	mm	100			100			100		
	4-4	Lift	h ₃	mm	1650			1650			1650		
PERFORMANCE	4-5	Height, mast extended	h ₄	mm	2325			2325			2325		
	4-6	Initial Lift	h ₅	mm	130			130			130		
	4-9	Height drawbar in driving position min./max.	h ₁₄	mm	1220	1460		1220	1460		1220	1460	
	4-10	Height of wheel arms	h ₈	mm	85			85			85		
	4-15	Height, lowered	h ₁₃	mm	90			90			90		
	4-19	Overall length (pedestrian)	l ₁	mm	2159			-			-		
	4-19	Overall length (stand-on)	l ₁	mm	2605			2666			2715		
	4-20	Length to face of forks (pedestrian)	l ₂	mm	969			-			-		
	4-20	Length to face of forks (stand-on)	l ₂	mm	1415			1476			1525		
	4-21	Overall width	b ₁ / b ₂	mm	780			780			780		
	4-22	Fork dimensions	s/e/l	mm	55	195	1150	55	195	1150	55	195	1150
	4-24	Fork-carriage width	b ₃	mm	675			675			675		
	4-25	Distance between fork-arms	b ₅	mm	572			572			572		
	4-31	Ground clearance, laden, below mast	m ₁	mm	25			25			25		
	4-32	Ground clearance, centre of wheelbase	m ₂	mm	25			25			25		
	4-33	Load dimension b 12 x l 6 crossways	b ₁₂ x l ₆	mm	800 x 1200			800 x 1200			800 x 1200		
	4-34-1	Aisle width for pallets 1000mm x 1200mm crossways (pedestrian)	A _{st}	mm	2775			-			-		
	4-34-1	Aisle width for pallets 1000mm x 1200mm crossways (stand-on)	A _{st}	mm	3213			3288			3327		
	4-34-2	Aisle width for pallets 800mm x 1200mm lengthwise (pedestrian)	A _{st}	mm	2624			-			-		
	4-34-2	Aisle width for pallets 800mm x 1200mm lengthwise (stand-on)	A _{st}	mm	3062			3137			3176		
4-35	Turning radius (pedestrian)	W _a	mm	1974			-			-			
4-35	Turning radius (stand-on)	W _a	mm	2412			2487			2526			
ELECTRIC ENGINE	5-1	Travel speed laden/unladen (pedestrian)		km/h	4.0	4.0		-	-		-	-	
	5-1	Travel speed laden/unladen (stand-on)		km/h	7.5	8.0		7.5	8.0		7.5	8.0	
	5-1-1	Travel speed, laden/unladen, backwards (pedestrian)		km/h	4.0	4.5		-	-		-	-	
	5-1-1	Travel speed, laden/unladen, backwards (stand-on)		km/h	7.5	8.0		7.5	8.0		7.5	8.0	
	5-2	Lift speed, laden/unladen		m/s	0.16	0.22		0.16	0.22		0.16	0.22	
	5-3	Lowering speed, laden/unladen		m/s	0.28	0.26		0.28	0.26		0.28	0.26	
	5-7	Gradeability, laden/unladen (2)		%	8.0	10.0		8.0	10.0		8.0	10.0	
	5-8	Max. gradeability, laden/unladen (2)		%	8.0	10.0		8.0	10.0		8.0	10.0	
	5-10	Service brake			Electromagnetic			Electromagnetic			Electromagnetic		
	6-1	Drive motor, S2 60 minute rating		kW	4.0			4.0			4.0		
6-2	Lifting motor, S3 15% rating (2)		kW	2.0			2.0			2.0			
6-3	Battery according to DIN 43531/35/36 A,B,C, no			no			no			no			
6-4	Battery voltage/nominal capacity K5		V/Ah	24	300		24	300		24	300		
6-5	Battery weight (1)		kg	233			233			233			
8-1	Type of drive unit			AC-Controller			AC-Controller			AC-Controller			
10-7	Sound pressure level at the driver's seat		dB (A)	< 70			< 70			< 70			

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) These values may vary of +/- 5%
- (2) If truck climbs ramps frequently (within 1h), consult your salesman
- (3) Pedestrian version. For Stand-on version, front/rear are inverted.

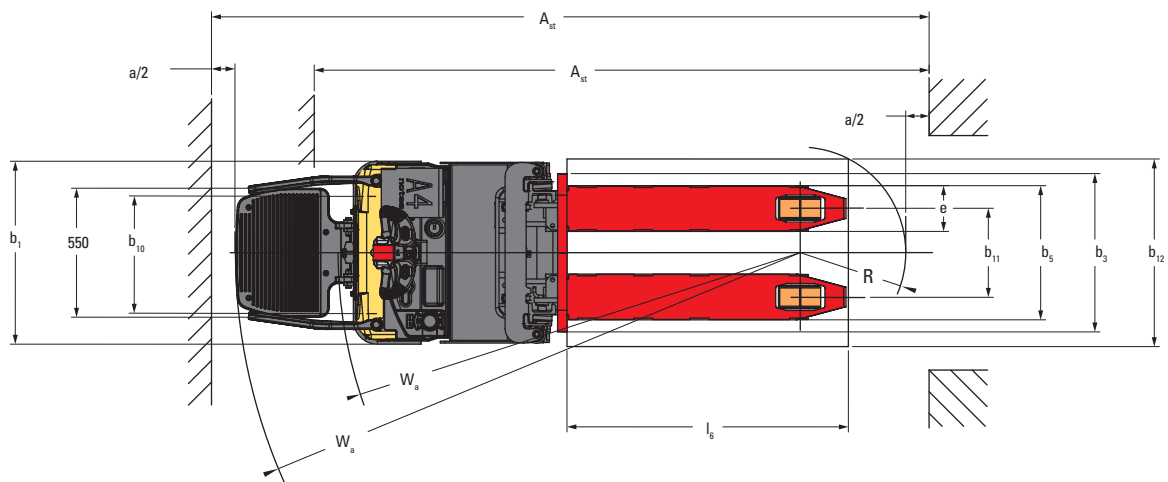
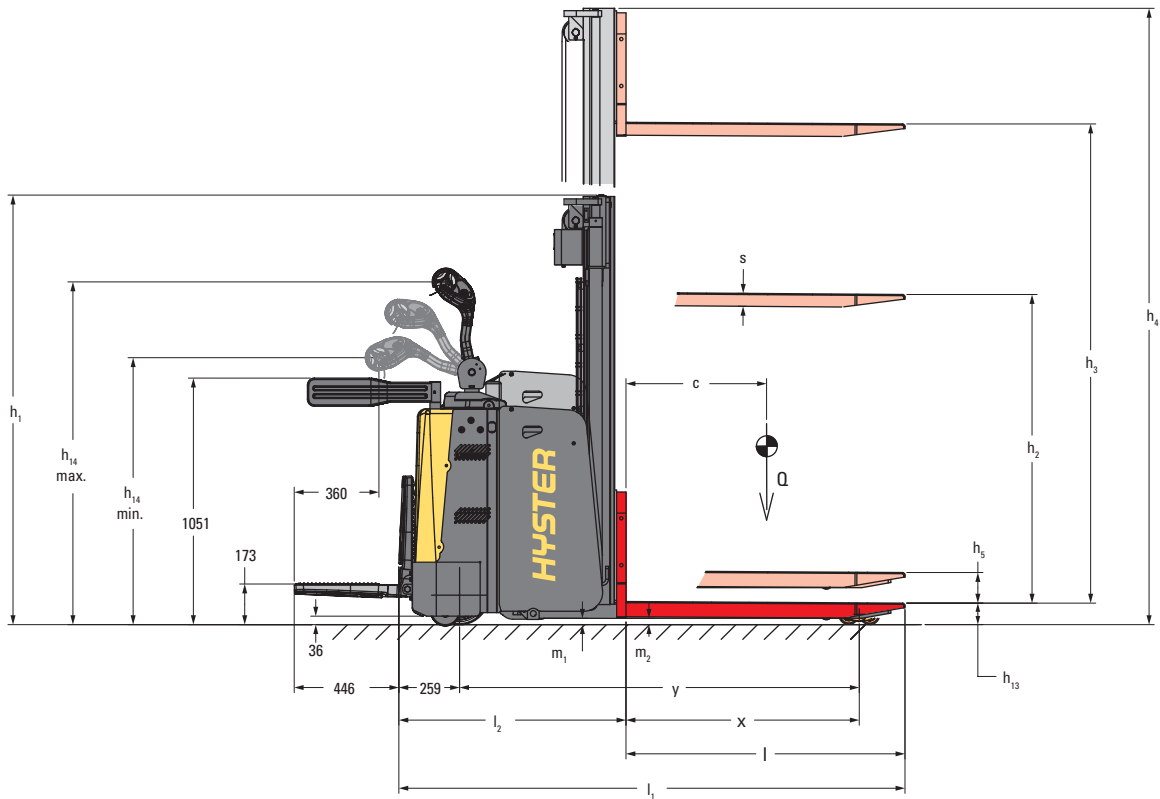
NOTICE:

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.

 **Safety:** This truck conforms to the current EU requirements.



$$A_{st} = W_b + R + a$$

(see lines 4.34.1 & 4.34.2)

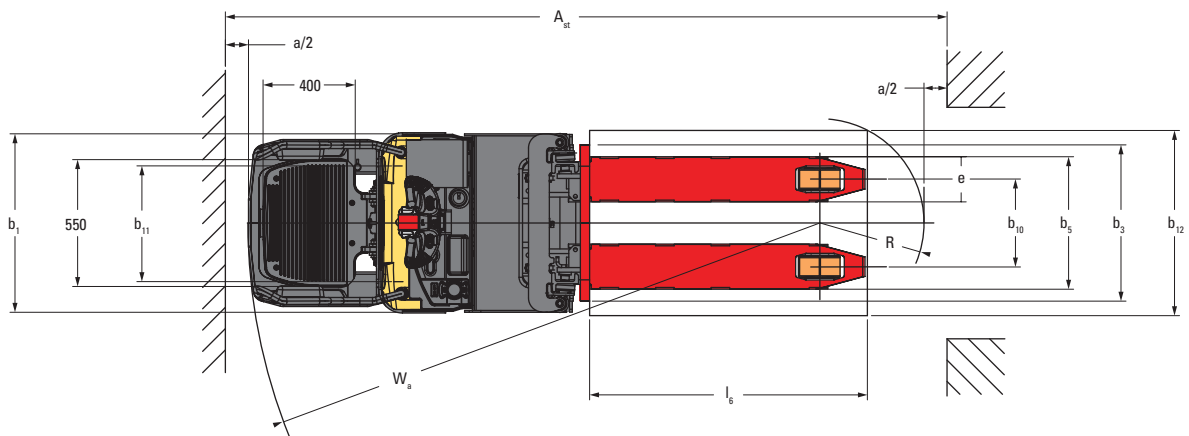
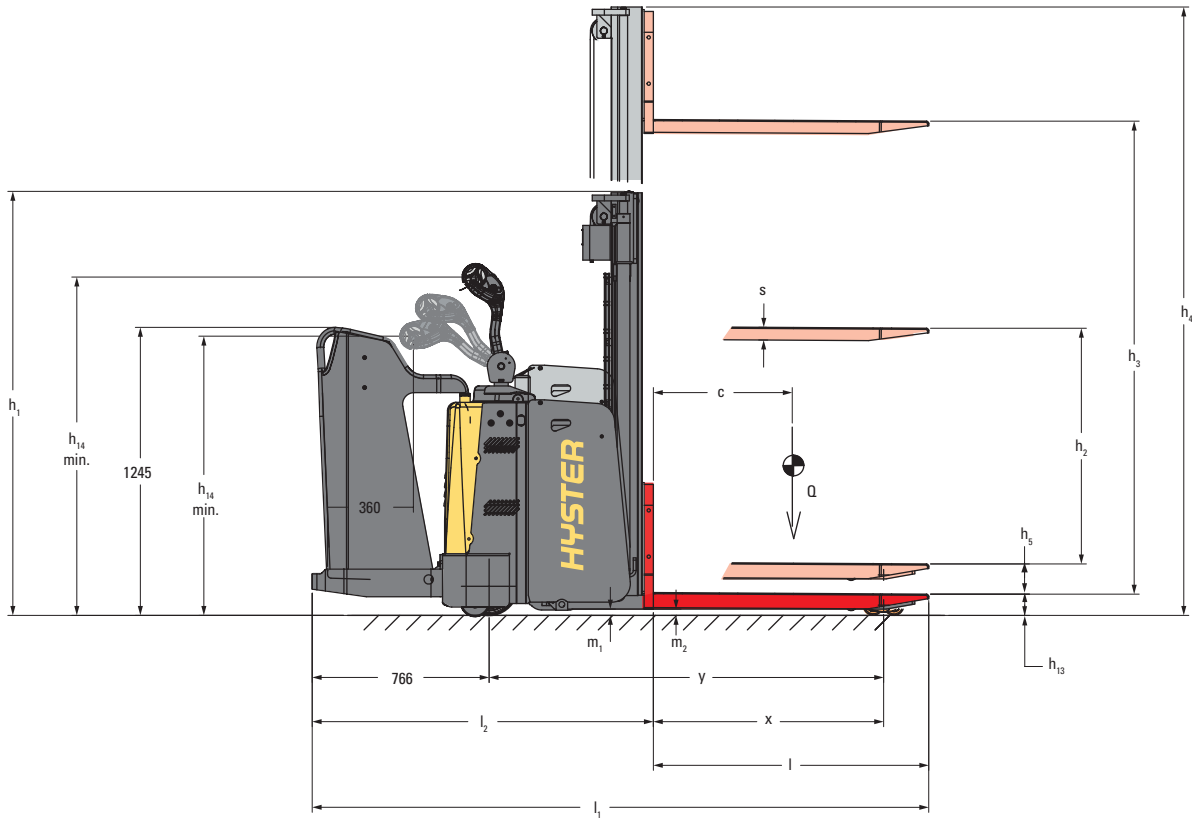
$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

a = Minimum operating clearance
(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

> TRUCK DIMENSIONS

P2.OSD SIDE PROTECTION



$$A_{st} = W_0 + R + a$$

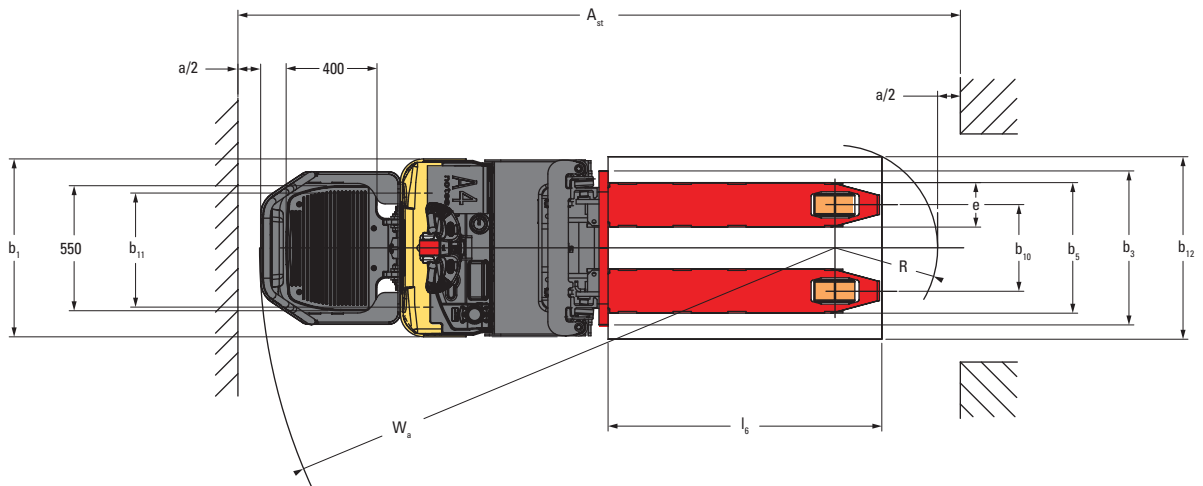
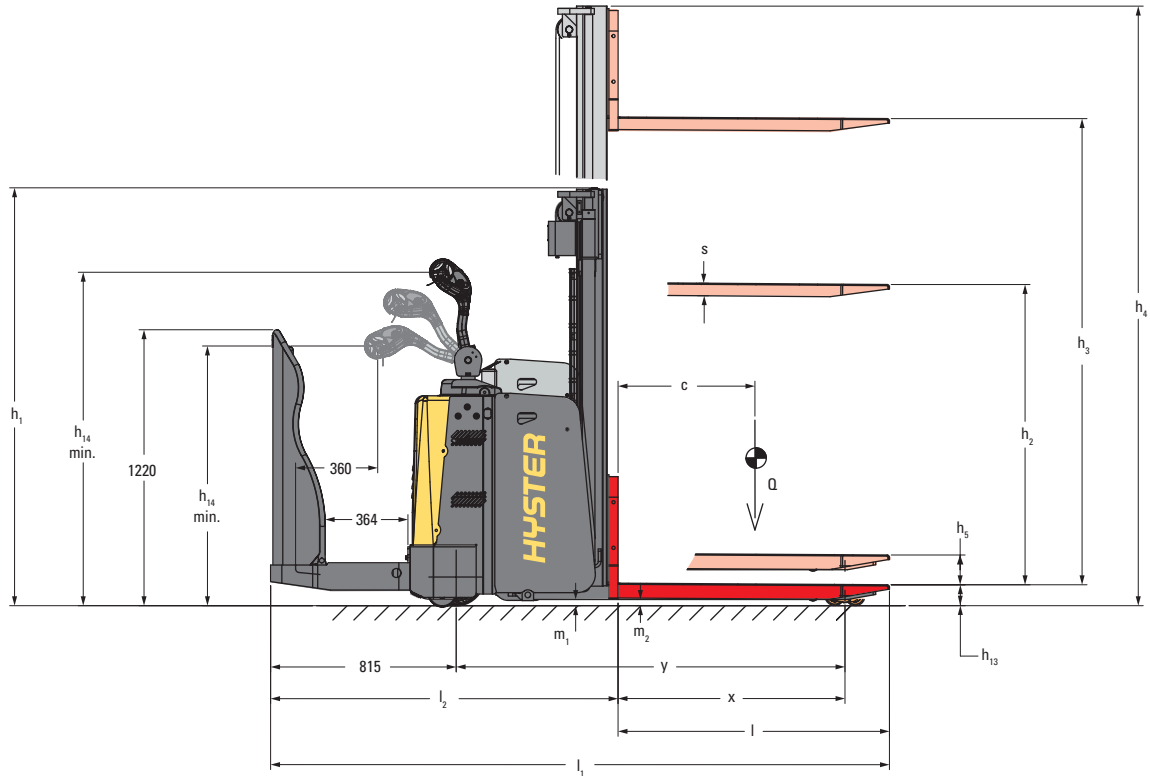
(see lines 4.34.1 & 4.34.2)

$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

a = Minimum operating clearance
(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

P2.OSD BACK PROTECTION



$$A_{st} = W_a + R + a$$

(see lines 4.34.1 & 4.34.2)

$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

a = Minimum operating clearance
(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

> MAST INFORMATION

2 STAGE LFL

	Lift height h ₃ mm	Free Lift h ₂ mm	Height, mast lowered h ₁ mm (1)	Height, mast extended h ₄ mm	Weight (4)
P2.0SD	1650	100	1560	2325 (2)	326

NOTE:

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.

MAST TABLE:

- (1) With free lift of 100 mm.
- (2) With load backrest for carriage h₄ + 415 mm.
- (3) With load backrest for carriage h₄ + 495 mm.
- (4) All weights are: mast structures (weldment, cylinders, chain, pulley) + oil
EXCLUDED: forks, accessories

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 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 might be subject to change without notice.

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

 Safety: This truck conforms to the current EU requirements.

> STANDARD AND OPTIONAL EQUIPMENT

ERGONOMICS	STD	OPT
Tiller Control	X	
Rocker Switch Directional Control	X	
Key Switch Start with Operator Password		X
Key Switch Start	X	
A4 Clip Board		X
CONSTRUCTION	STD	OPT
Standard Construction	X	
Cold Store Construction (-30° C)		X
Corrosion Protection (SPED)		X
Standard Platform with Side Arms	X	
Platform with Rear Protection (Bob)		X
Platform with Side Protections (Biga)		X
Galvanised Platform With Rear Protection (Bob)		X
Galvanized Platform with Side Arms		X
Galvanised Platform With Side Protection (Biga)		X
Less Platform without Side Arms		X
LIFT	STD	OPT
2 Stage Limited Free Lift Mast	X	
2 Stage Full Free Lift Mast		X
570mm Carriage	X	
1000mm High Load Backrest		X
570 x 1190 (x=55mm) Forks	X	
570 x 1600 (x=65mm) Forks (SPED)		X

OPERATION	STD	OPT
Audible Reverse Alarm		X
Front Pedestrian Awareness Light (P.A.L.) (SPED)		X
Hyster Tracker wireless asset management system		X
Hyster Tracker wireless asset management - Access / Verification		X
Hyster Tracker wireless asset managemene Monitoring		X
254 x 90mm Non-Marking Tophane Drive Wheel		X
254 x 90mm Non-Marking Grooved Tophane Drive Wheel		X
85 x 74.5mm Tandem Polyurethane Load Wheel		X
254 x 90mm NDIIthane Drive Wheel	X	
254 x 125mm NDIIthane Drive Wheel		X
254 x 125mm NDIIthane Conductive Drive Wheel		X
85 x 94mm Single NDIIthane Load Wheels		X
85 x 74mm Tandem NDIIthane Load Wheels	X	
BATTERIES	STD	OPT
Hyster Standard Type Battery		X
Hyster Battery with Aquamatic		X
Hyster Battery with Aquamatic and Air Mix		X
Side Battery Extraction	X	
Spare Battery Cable		X
Twin Battery Change Station		X
Gravity Feed Water Reservoir		X
665 x 212 x 680mm Battery Compartment (for 300 Ah Battery)	X	
24V 300AH Hyster Battery (BS)		X
APPEARANCE	STD	OPT
Hyster paint base truck	X	
Special paint base truck		X
SUPPLEMENTAL	STD	OPT
12 Months / 1,000 Hours Manufacturer's Warranty	X	
36 Months / 3,000 Hours Extended Warranty		X

- P2.OSD Powered pallet truck with folding platform, double pallet handler.

DEPENDABILITY

- MOSFET AC/DC Combi controller for traction and hydraulic controls.
- Welded fork construction makes them highly resistant to torsion and heavy loads.
- Tough two-stage mast with high through-visibility.
- Hour meter and battery discharge indicator with lift interrupt fitted.
- Cold store protection for applications to -30 °C.

PRODUCTIVITY

- Compact chassis design to improve accessibility.
- Operator-friendly tiller head controls for productive load handling.
- Regenerative braking and anti-rollback both available.
- Drive modes tailored around operation needs: pedestrian or stand-on, with or without side arms raised.
- Progressive speed control and steering system ensure optimum performance levels.
- Tandem load wheels and exit/entry rollers.
- Optional key-pad with PIN code for enhanced warehouse management.

ERGONOMICS

- Ergonomically designed tiller head for maximum operator comfort.
- Generously proportioned folding platform, with built-in suspension.
- Low effort controls ergonomically positioned to reduce operator fatigue.
- Dual lift/lower controls allow operation by either hand.
- 'Corner control' system reduces speed automatically when cornering.
- Adjustable performance settings to suit specific operating conditions.

COST OF OWNERSHIP

- AC motor provides superior performance and reduced operation costs.
- Power transmission supplied via helicoidal gears, running in oil bath.
- IP54 standards control for protection against dust and water.
- Extended service intervals.

SERVICEABILITY

- Lift motor construction ensures low maintenance requirements.
- Built-in diagnostic system for preventative maintenance communication reduces downtime.
- Driver Diagnostic Interface (DDI) allows selection of appropriate performance settings for specific applications.
- CANbus technology for increased functionality, reliability and servicing.

STRONG PARTNERS. TOUGH TRUCKS.™

FOR DEMANDING OPERATIONS, EVERYWHERE.

Hyster supplies a complete range of warehouse equipment, 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 material 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 material handling needs so you can focus on the success of your business today and in the future.



HYSTER EUROPE

Centennial House, Frimley Business Park, Frimley, Surrey, GU16 7SG, England.

Tel: +44 (0) 1276 538500



www.hyster.eu



infoeurope@hyster.com



[/HysterEurope](https://www.facebook.com/HysterEurope)




[@HysterEurope](https://twitter.com/HysterEurope)



[/HysterEurope](https://www.youtube.com/HysterEurope)



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.

©2019 HYSTER-YALE UK LIMITED, all rights reserved. HYSTER,  and STRONG PARTNERS. TOUGH TRUCKS. are trademarks of HYSTER-YALE Group, Inc.

NDIIThane, RedThane and Dynaroll are a trademarks of Wicke GmbH + Co. KG. Lexan is a trademark of Sabic Global Technologies B.V.

Hyster products are subject to change without notice. Forklift trucks illustrated may feature optional equipment.