



STRONG PARTNERS. TOUGH TRUCKS.



**Powered pallet truck with folding platform
P2.0SE, P2.0S, P2.0SD**

P2.0SE, P2.0S, P2.0SD

CHARACTERISTICS	P2.0SE		P2.0S		P2.0SD			
	Manufacturer	Model designation	Power: battery, diesel, LPG, electric mains	Operation: manual, pedestrian, stand, seat, order picker	Load capacity	Load centre	Load distance	Wheelbase
1.1	Manufacturer		HYSTER		HYSTER		HYSTER	
1.2	Model designation		P2.0SE		P2.0S		P2.0S	
1.3	Power: battery, diesel, LPG, electric mains		Battery		Battery		Battery	
1.4	Operation: manual, pedestrian, stand, seat, order picker		Pedestrian		Stand		Pedestrian (stand)	
1.5	Load capacity		2 000		2 000		2 000	
1.6	Load centre		600		600		600	
1.8	Load distance		1 012		1 012		1 004	
1.9	Wheelbase		1 419		1 491		1 485	
WEIGHTS	2.1	Unladen weight including battery	750 (800)		750 (800)		950 (1 000)	
	2.2	Axle loading with load, front / rear	1 050	1 700	1 050	1 700	1 150 (1 200)	1 800
	2.3	Axle loading without load, front / rear	550	200	550	200	750 (800)	200
WHEELS & TYRES	3.1	Tyres: rubber, polyurethane, vulkollan, front/rear	Poly / Poly		Poly / Poly		Vulkollan/ Vulkollan	
	3.2	Tyre size, front	Ø 230 x 75		Ø 230 x 75		Ø 254 x 90	
	3.3	Tyre size, rear	Ø 85 x 94		Ø 85 x 94		Ø 85 x 94	
	3.4	Additional wheels (dimensions)	Ø 125 x 50		Ø 125 x 50		Ø 125 x 50	
	3.5	Number of wheels, front/rear (X = driven)	1X+2	4	1X+2	4	1X+2	4
	3.6	Track width, front	480		480		526	
	3.7	Track width, rear	390		390		390	
DIMENSIONS	4.2	Height of mast, lowered	-		-		-	
	4.3	Free lift	-		-		-	
	4.4	Lift height	130		130		130	
	4.5	Height of mast, extended	-		-		-	
	4.6	Initial lift	-		-		-	
	4.9	Height of tiller arm in working position min./max.	1 220	1 460	1 220	1 460	1 220	1 460
	4.15	Height, forks lowered	85		85		88	
	4.19	Overall length (pedestrian)	1 850		1 922		1 922	
	4.19	Overall length (stand)	2 296		2 368		2 368	
	4.20	Length to face of forks (pedestrian)	658		730		739	
	4.20	Length to face of forks (stand)	1 104		1 176		1 185	
	4.21	Overall width	716		716		780	
	4.22	Fork dimensions	55	170	1 191	55	170	1 191
	4.24	Fork carriage width	-		-		-	
	4.25	Maximum width across forks	560		560		560	
	4.31	Ground clearance under mast, with load	-		-		-	
	4.32	Ground clearance centre of wheelbase	30		30		30	
	4.33	Aisle width with pallet 1 000 mm x 1 200 mm wide (pedestrian)	1 858		1 930		1 939	
	4.33	Aisle width with pallet 1 000 mm x 1 200 mm wide (stand)	2 308		2 380		2 386	
	4.34	Aisle width with pallet 800 mm x 1 200 mm long (pedestrian)	2 058		2 130		2 139	
4.34	Aisle width with pallet 800 mm x 1 200 mm long (stand)	2 508		2 580		2 586		
4.35	Turning radius (pedestrian)	1 670		1 742		1 743		
4.35	Turning radius (stand)	2 120		2 192		2 190		
PERFORMANCE	5.1	Travel speed with/without load (pedestrian)	6,0	6,0	6,0	6,0	4,0	4,0
	5.1	Travel speed with/without load (stand)	6,0	6,0	7,4	7,5	8,5	12,0
	5.2	Lift speed with/without load	0,03	0,04	0,03	0,04	0,03	0,03
	5.3	Lowering speed with/without load	0,05	0,04	0,05	0,04	0,04	0,03
	5.7	Gradeability with/without load	10	20	10	20	10	20
	5.8	Max. gradeability with/without load	10	20	10	20	10	20
	5.10	Service brake	Electromagnetic		Electromagnetic		Electromagnetic	
POWER UNIT	6.1	Drive motor, S2 60 minute rating	2,0		2,0		4,0	
	6.2	Lift motor, S3 16% rating	1,0		2,0		1,4	
	6.3	Battery according to DIN 43531/35/36 A,B,C, no	no		no		no	
	6.4	Battery voltage/capacity at 5 hours rate	24	210	24	315	24	210
	6.5	Battery weight (+/- 5%)	215		330		303	
	6.6	Consumptions according to VDI cycle	0,44		0,44		0,47	
OTHER	8.1	Drive control	Mosfet ~ AC		Mosfet ~ AC		Mosfet ~ AC	
	8.4	Average noise level at operator's ear	<70		<70		<70	

Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 170 mm wide forks. Polyurethane drive wheel and load rollers (P2.0SE).

Complete truck with 170 mm wide forks. Vulkollan drive wheel and load rollers (P2.0S).

Complete truck with 195 mm wide forks. Vulkollan drive wheel and load rollers (P2.0SD).

Specification data is based on VDI 2198

P2.0SE, P2.0S, P2.0SD

HYSTER		HYSTER		CHARACTERISTICS	
P2.0S		P2.0SD			1.1
Battery		Battery			1.2
Pedestrian (stand)		Pedestrian (stand)			1.4
2 000		1 000 + 1 000			1.5
600		600			1.6
1 004		992			1.8
1 575		1 702			1.9

950 (1 000)		1 050 (1 100) ▲		WEIGHTS	
1 150 (1 200)	1 800	1 100 (1 150) ▲	1 950 ▲		2.2
750 (800)	200	750 (800) ▲	300 ▲		2.3

Vulkollan/ Vulkollan		Poly / Poly		WHEELS & TYRES	
Ø 254 x 90		Ø 254 x 90			3.1
Ø 85 x 94		Ø 85 x 74			3.2
Ø 125 x 50		Ø 125 x 50			3.3
1X+2	4	1X+1	4		3.5
526		484			3.6
390		375			3.7
					3.7

		1 560		4.2		
		100		4.3		
130		1 650		4.4		
		2 325		4.5		
		130		4.5		
1 220 ◇	1 460	1 220	1 460	4.9		
88		90		4.15		
2 012		2 129		4.19		
2 458		2 575		4.19		
829		969		4.20		
1 275		1 415		4.20		
780		780		4.21		
55 ▲	170 ▲	1 183 ▲	55	195	1 190	4.22
		675		4.24		
560		570		4.25		
		30		4.31		
30		30		4.32		
2 029		2 770		4.33		
2 476		3 208		4.33		
2 229		2 621		4.34		
2 676		3 059		4.34		
1 833		1 970		4.35		
2 280		2 408		4.35		

4,0	4,0	6,0 ◇	6,0 ◇	5.1
8,5	12,0	8,0 ◇	8,5 ◇	5.1
0,03	0,03	0,16	0,22	5.2
0,04	0,03	0,30	0,28	5.3
10 ★	20 ★	8	10	5.7
10 ★	20 ★	8	10	5.8
Electromagnetic		Electromagnetic		5.10

4,0		4,0		6.1
1,4		2,0		6.2
no		no		6.3
24	500	24	300	6.4
364		260		6.5
0,47		-		6.6

Mosfet - AC		Mosfet - AC		8.1
<70		<70		8.4

Forks:

P2.0SE: 55 x 170 x 1 191 mm long

P2.0S: 55 x 170 x 1 183 mm long

P2.0SD: 55 x 195 x 1 190 mm long

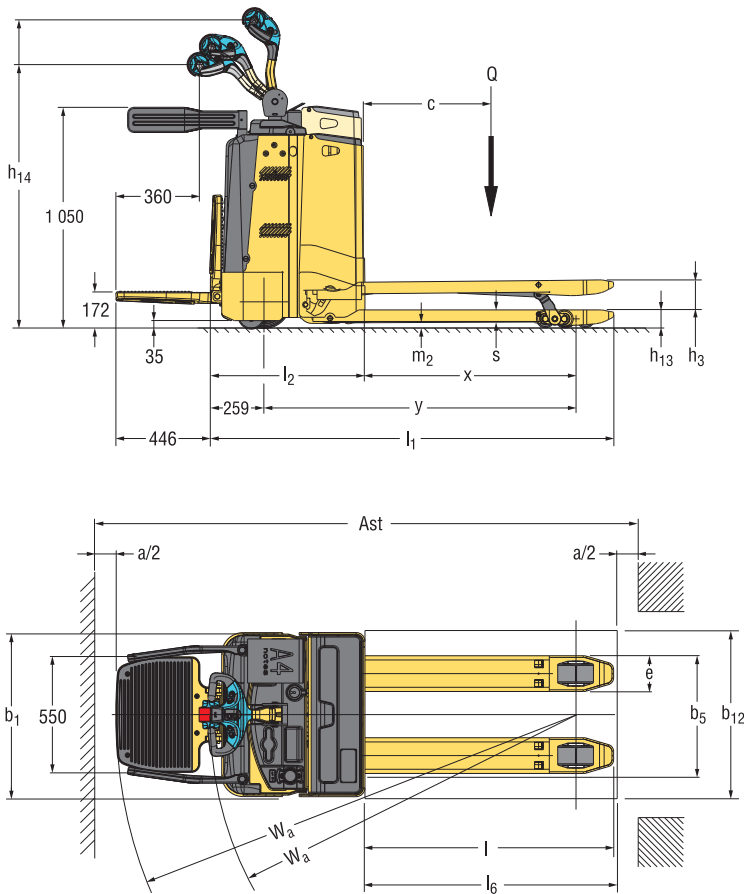
Fork Spacing:

Inside to inside: 220 mm (P2.0SE-S), 180 mm (P2.0SD)

Outside to outside: 560 mm (P2.0SE-S), 570 mm (P2.0SD)

Other fork lengths and widths are available

Truck Dimensions

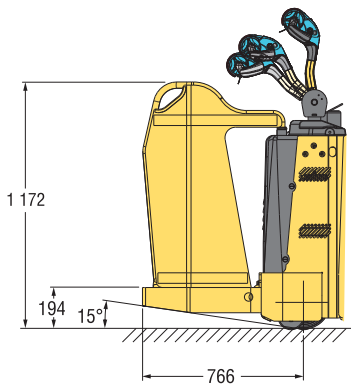


$Ast = W_a + R + a$ (see lines 4.33 & 4.34)

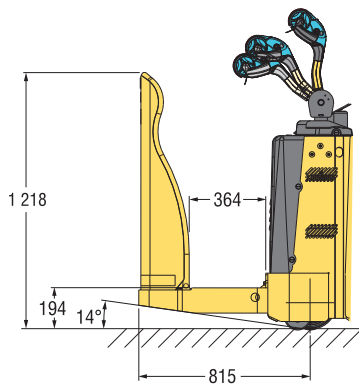
$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

a = Minimum operating clearance (V.D.I. standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length



Fixed Side Protection



Fixed Back Protection

NOTE:

The condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area affect specifications. If these specifications are critical, the proposed application should be discussed with your dealer.

- ▶ Values or text in brackets refer to a truck equipped with fixed side (Biga) or fixed back (Bob) protections.
- ◆ Values refer to a P2.0SE with a battery compartment of 210Ah and forks with the following dimensions: $b_5 = 560$ mm; $l = 1191$ mm and P2.0S equipped with a battery compartment of 400 Ah and forks with the following dimensions: $b_5 = 560$ mm; $l = 1183$ mm
- ▲ Values refer to a truck equipped with mast as in line 4.4, and battery as in line 6.4
- Values determined by wheel friction - if climbing ramps frequently (several times an hour), consult your dealer
- Values possible only when side protection fitted
- ◇ Traction speeds may vary with lift height
- ▲ For alternative forks dimensions, see table
- Add 61 mm with fixed side protection (Biga) Add 110 mm with fixed back protection (Bob)
- Add 75 mm with fixed side protection (Biga) Add 114 mm with fixed back protection (Bob)
- ★ 10/15 with fixed side protection (Biga) 10/14 with fixed back protection (Bob)
- ◇ For versions with Fixed Platform and Scooter Control, height of tiller head is 1275mm

Mast tables:

- ❖ Subtract 103 mm when forks raised
- ▼ Battery compartment size affects this value: With 300 Ah subtract 40 mm / with 500 Ah add 50 mm
- ✦ For forks longer than 1 600 mm, $e = 180$ mm

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 adhere to the instructions contained in the Operating Manual.

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



This truck conforms to the current EU requirements.

Aisle Widths

	P2.0S					Battery Compartment, 400Ah ▼						
	l	c	x+	fork overhang	length l_6	y+	Pedestrian			Stand		
							l_1	wa+	Ast	l_1	wa+	Ast
$b_5 = 520-560$ mm	980	400	801	179	1 000	1 321	1 759	1 580	1 979	2 205	2 026	2 425
roll container	1 183	600	1 004	179	1 200	1 525	1 962	1 783	2 179	2 408	2 230	2 626
short pull rod	1 600	800	1 421	179	1 500	1 942	2 380	2 201	2 480	2 826	2 647	2 926
rod long pull rod	2 356+	1 200	1 405	951	2 400	1 926	3 136	2 185	3 380	3 582	2 631	3 826
rod long pull rod	2 356+	1 200	1 860	496	2 400	2 381	3 136	2 640	3 380	3 582	3 086	3 826
rod long pull rod UK	2 356+	1 200	1 650	706	2 400	2 171	3 136	2 430	3 380	3 582	2 876	3 826

Product Features

- P2.0SE Powered pallet truck with folding platform, mechanical steering.
- P2.0S Powered pallet truck with folding platform, fly-by-wire steering.
- P2.0SD 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 on SD models.
- 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.
- P2.0S versions with a fixed platform are available with Scooter Control steering as an option, which helps to reduce operator effort while steering. By keeping the operator within the footprint of the truck and close to the truck frame, it increases operator protection and fork tip visibility is excellent.
- Low effort controls ergonomically positioned to reduce operator fatigue.
- Dual lift/lower controls allow operation by either hand.
- Fly-by-wire electronic steering system & increased turning ratio of the tiller arm significantly reduces operator effort to manoeuvre the truck (P2.0S).
- '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.
- On-board charger on SE models for on-site recharge.

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.



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