



STRONG PARTNERS. TOUGH TRUCKS.

Pedestrian Powered Pallet Trucks P1.3 - 3.0

1 300 – 3 000 kg



P1.3, P1.6, P1.8, P2.0, P2.0L, P2.2, P2.5, P3.0

CHARACTERISTICS	1.1	Manufacturer
	1.2	Model designation
	1.3	Power: battery, diesel, LPG, electric mains
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker
	1.5	Load capacity Q (kg)
	1.6	Load centre c (mm)
	1.7	Load distance, centre of drive axle to fork x (mm)
	1.8	Wheelbase y (mm)

WEIGHTS	2.1	Unladen weight (with battery) kg
	2.2	Axle loading with load, front/rear kg
	2.3	Axle loading without load, front/rear kg

WHEELS & TYRES	3.1	Tyres: rubber, polyurethane, Vulkollan front/rear
	3.2	Tyre size, front
	3.3	Tyre size, rear
	3.4	Additional wheels (dimensions)
	3.5	Wheels, number front/rear (x = driven)
	3.6	Track width, front b ₁₀ (mm)
	3.7	Track width, rear b ₁₁ (mm)

DIMENSIONS	4.4	Lift height h ₃ (mm)
	4.9	Height of tiller arm in drive position min./max. h ₁₄ (mm)
	4.15	Lowered height h ₁₃ (mm)
	4.19	Overall length l ₁ (mm)
	4.20	Length to face of forks ❖ l ₂ (mm)
	4.21	Overall width b ₁ /b ₂ (mm)
	4.22	Fork dimensions s/e/l (mm)
	4.25	Outside fork width b ₅ (mm)
	4.32	Ground clearance centre of wheelbase m ₂ (mm)
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ❖ Ast (mm)
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ❖ Ast (mm)
	4.35	Turning radius ❖ W _a (mm)

PERFORMANCE	5.1	Travel speed with/without load km/h
	5.2	Lift speed with/without load m/s
	5.3	Lowering speed with/without load m/s
	5.8	Max. gradeability, with/without load %
	5.10	Service brake

MOTOR	6.1	Drive motor, S2 60 minute rating kW
	6.2	Lifting motor, S3 15% rating kW
	6.3	Battery DIN 43531/35/36 A,B,C, no
	6.4	Battery voltage/capacity at 5 hour rate V/Ah
	6.5	Battery weight +/- 5% kg
	6.6	Energy consumption according to VDI cycle kWh/h

OTHER	8.1	Drive control
	8.4	Sound level at the driver's ear according to DIN 12 053 dB(A)

HYSTER		HYSTER		HYSTER	
P1.3		P1.6		P1.8 AC	
Battery		Battery		Battery	
Pedestrian		Pedestrian		Pedestrian	
1 300		1 600		1 800	
600		600		600	
1 001		1 001		1 007	
1 331		1 331		1 337	

292		396		503	
452	1 140	699	1 297	806	1 497
229	63	307	89	399	104

Poly/Vulkollan		Poly/Vulkollan		Poly/Vulkollan	
Ø 230 x 75		Ø 230 x 75		Ø 230 x 75	
Ø 85 x 114		Ø 85 x 114		Ø 85 x 90	
Ø 100 x 40		Ø 100 x 40		Ø 100 x 40	
1x+2	2	1x+2	2	1x+2	2
470		470		470	
395		395		395	

130		130		130	
735	1 200	735	1 200	735	1 200
85		85		88	
1 683		1 683		1 683	
500		500		500	
700		700		700	
55	170	1 180	55	170	1 180
560		560		560	
20		20		20	
1 711		1 711		1 711	
1 911		1 911		1 911	
1 512		1 512		1 518	

5,5	5,5	5,5	6,0	6,0	6,0
0,030	0,044	0,032	0,046	0,037	0,049
0,08	0,08	0,08	0,08	0,039	0,037
5	20	10	20	10	20
Electromagnetic		Electromagnetic		Electromagnetic	

0,8		0,8		1,2	
1 □		1 □		1	
No		No		No	
24	55 ●	24	150	24	150-200
40		144		150-225	
0,38		0,41		0,40	

MOSFET		MOSFET		MOSFET	
<70		<70		<70	

Specification data is based on VDI 2198

Equipment and weight:

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

Complete truck with 170 mm (P1.3-P1.6-P2.0-P2.0L-P2.2) wide forks, Poly/ Vulkollan driver and load wheels.

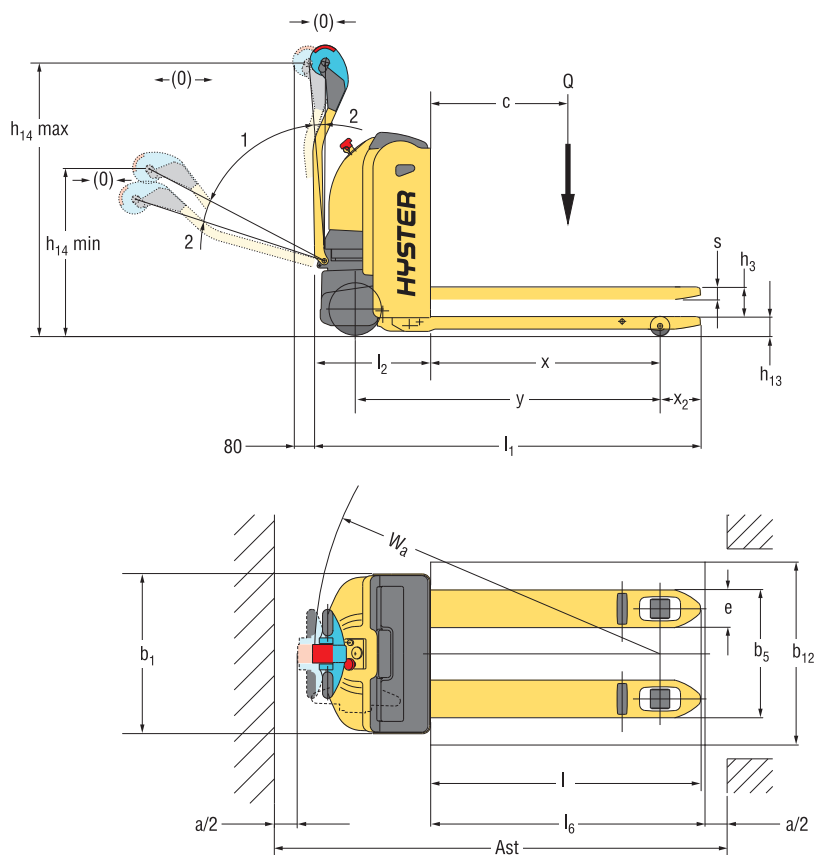
Complete truck with 180 mm (P2.5-P3.0) wide forks, Poly/Vulkollan driver and load wheels.

HYSTER			HYSTER			HYSTER			HYSTER			HYSTER			1.1	CHARACTERISTICS
P2.0 AC			P2.0L AC			P2.2 AC			P2.5			P3.0			1.2	
Battery			Battery			Battery			Battery			Battery			1.3	
Pedestrian			Pedestrian			Pedestrian			Pedestrian			Pedestrian			1.4	
2 000			2 000			2 200			2 500			3 000			1.5	
600			600			600			600			600			1.6	
1 007			1 007			1 007			965			965			1.7	
1 337			1 409			1 409			1 530			1 530			1.9	
503			523			530			760			780			2.1	WEIGHTS
876	1 627		883	1 640		955	1 775		1 075	2 185		1 196	2 584		2.2	
399	104		415	108		422	108		570	190		590	190		2.3	
Poly/Vulkollan			Poly/Vulkollan			Poly/Vulkollan			Poly/Vulkollan			Poly/Vulkollan			3.1	WHEELS & TYRES
Ø 230 x 75			Ø 230 x 75			Ø 230 x 75			Ø 260 x 95			Ø 260 x 95			3.2	
Ø 85 x 90			Ø 85 x 90			Ø 85 x 90			Ø 85 x 70			Ø 85 x 70			3.3	
Ø 100 x 40			Ø 100 x 40			Ø 100 x 40			Ø 100 x 40			Ø 100 x 40			3.4	
1x+2	2		1x+2	2		1x+2	2		1x+2	4		1x+2	4		3.5	
470			470			470			485			485			3.6	
395			395			395			380			380			3.7	
130			130			130			120			120			4.4	DIMENSIONS
735	1 200		735	1 200		735	1 200		650	1 325		650	1 325		4.9	
88			88			88			85			85			4.15	
1 683			1 755			1 755			1 888			1 888			4.19	
500			572			572			732			732			4.20	
700			700			700			735			735			4.21	
55	165	1 183	55	170	1 183	55	170	1 183	55	180	1 156	55	180	1 156	4.22	
560			560			560			560			560			4.25	
20			20			20			30			30			4.32	
1 711			1 783			1 783			1 887			1 887			4.33	
1 911			1 983			1 983			2 087			2 087			4.34	
1 518			1 590			1 590			1 652			1 652			4.35	
6,0	6,0		6,0	6,0		6,0	6,0		5,7	6,0		5,5	6,0		5.1	
0,037	0,049		0,037	0,049		0,037	0,049		0,029	0,037		0,029	0,037		5.2	
0,039	0,037		0,039	0,037		0,039	0,037		0,048	0,044		0,048	0,044		5.3	
10	20		10	20		10	20		8	20		5	20		5.8	
Electromagnetic			Electromagnetic			Electromagnetic			Electromagnetic			Electromagnetic			5.10	MOTOR
1,2			1,2			1,2			2,6			2,6			6.1	
1			1,4 ◆			1,4 ◆			1,4 ◆			1,4 ◆			6.2	
No			DIN 43535 B			DIN 43535 B			No			No			6.3	
24	150-200		24	220 (250) ■		24	220 (250) ■		24	300 ○		24	300 ○		6.4	
150-225			222 (240)			222 (240)			233			233			6.5	
0,41			0,43			0,45			0,47			0,50			6.6	
MOSFET			MOSFET			MOSFET			MOSFET			MOSFET			8.1	OTHER
<70			<70			<70			<70			<70			8.4	

Forks:
P1.3-P1.6-P2.0-P2.0L-P2.2: 55 x 170 x 1 180 mm long
P2.5-P3.0: 55 x 180 x 1 156 mm long

Fork spacing:
Inside to inside: 220 mm (P1.3-P1.6-P2.0-P2.0L-P 2.2) 200 mm (P2.5-3.0)
Outside to outside: 560 mm
Other fork lengths and widths are optional.

Truck dimensions



$$Ast = W_a + l_6 - x + a \text{ (see lines 4.33 \& 4.34)}$$

$$a = 200 \text{ mm}$$

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. If these specifications are critical, the proposed application should be discussed with your dealer.

- ❖ Tiller arm in vertical working position (creep speed)
- Max battery capacity = 24/300 V/Ah with "non Din" battery (no lateral extraction option available with this battery size)
- Battery DIN 43535 B 210-250 Ah available
- 2 hours rate
- ◆ S3 6% rating
- S3 9% rating

Notice

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. 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.

Product Features

Dependability

- Durable frame construction, with integrated welded forks, ensures high truck rigidity, allowing the truck to handle heavy loads.
- The battery compartment features a reinforced bumper section, which protects the truck against collision.
- Heavy-duty, tandem load wheels provide excellent load stability over uneven surfaces, and allow heavier loads to be transported.
- Welded fork construction with fixed (P1.3 and P1.6-P2.2) or adjustable (P2.5-P3.0) pull rods ensures smooth lifting and lowering.

Productivity

- Skid plate positioned at the forks tips (P1.3 and P1.6-P2.2) or exit/entry rollers (P2.5-P3.0) ensure a fast, smooth handling operation.
- Adjustable performance settings allow the truck to be configured to suit driver and application requirements.
- A choice of capacity, motor and battery sizes enables the truck to be correctly configured to match application needs.
- Compact chassis design improves manoeuvrability, enhancing driver productivity.
- The MOSFET high frequency Combi controller controls traction and hydraulics, allows progressive speed control as well as delivering optimum energy efficiency.
- Powerful AC traction motor on P1.8-P2.2 provides superior performance and increased loads moved per hour.
- The on-board charger on P1.3 & P1.6 (optional for P1.8 - P3.0) allows the truck to be recharged everywhere.
- The P1.3 model is specifically designed to suit lighter applications where performance requirements or usage is limited. This model features a castor wheel that can be height adjusted to improve traction with its lighter battery.

Ergonomics

- Automatic braking control is adjustable according to the performance level chosen by the operator: Soft/Medium/Hard (P1.3, P1.6, P2.5, P3.0).
- Tiller head is ergonomically designed for maximum operator comfort, contributing to reduced operator fatigue.
- Dual lift/lower button controls allow operation by either hand to suit operator preference and comfort.
- Responsive butterfly switches control travel direction, speed and braking allow a smooth start, controlled braking and acceleration.
- Creep speed control button, allows the truck to be manoeuvred with the tiller arm in the vertical position, enabling the operator to work more effectively in confined spaces.
- Anti-roll back available as standard to prevent uncontrolled travel speed and roll back on ramps when loading or unloading.
- Tandem load wheels adjust to work surface for a smoother operation.

Cost of ownership

- Power is transmitted via helicoidal gears, which are positioned in an oil bath, to reduce component wear and tear.
- Trucks' electronic components are rated to IP54 standard, for protection against damage caused by dust and water ingress.
- Easy access to motor and key components reduces downtime.
- Extended Service intervals (12 months or 1 000 hours)
- Regenerative braking increases braking efficiency and reduces maintenance costs.

Serviceability

- On board diagnostic display provides early warning of maintenance requirements.
- Hourmeter and battery discharge indicator with lift interrupt as standard (opt. on P1.6) informs the operator of recharge requirement.



Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

Hyster supplies a complete product range, including Warehouse trucks, 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 materials 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 materials handling needs so you can focus on the success of your business today and in the future.



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