

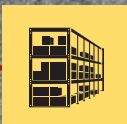


**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **POWERED DOUBLE STACKER WITH FOLDING PLATFORM**

**P2.0SD**



# P2.OSD

DISTINGUISHING MARKS	1.1	Manufacturer (abbreviation)	
	1.2	Manufacturer's type designation	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.4	Operator type: hand, pedestrian, stand-on, seated, order-picker	
	1.5	Rated capacity / Rated load	Q (t)
	1.6	Load centre distance	c (mm)
	1.8	Load distance, centre of drive axle to fork	x (mm)
	1.9	Wheelbase	y (mm)

WEIGHTS	2.1	Service weight ▶	kg
	2.2	Axle loading, laden front/rear	kg
	2.3	Axle loading, unladen front/rear	kg

TYRES / CHASSIS	3.1	Tyres: polyurethane, tophane, vulkollan, front/rear	
	3.2	Tyre size, front	ø (mm x mm)
	3.3	Tyre size, rear	ø (mm x mm)
	3.4	Additional wheels (dimensions)	ø (mm x mm)
	3.5	Wheels, number front/rear (x = driven wheels)	
	3.6	Tread, front	b <sub>10</sub> (mm)
	3.7	Tread, rear	b <sub>11</sub> (mm)

DIMENSIONS	4.2	Height, mast lowered	h <sub>1</sub> (mm)
	4.3	Free lift	h <sub>2</sub> (mm)
	4.4	Lift	h <sub>3</sub> (mm)
	4.5	Height, mast extended	h <sub>4</sub> (mm)
	4.6	Initial lift	h <sub>5</sub> (mm)
	4.9	Height drawbar in driving position min./max.	h <sub>14</sub> (mm)
	4.10	Height of wheel arms	h <sub>8</sub> (mm)
	4.15	Height, lowered	h <sub>13</sub> (mm)
	4.19	Overall length (pedestrian)	l <sub>1</sub> (mm)
	4.19	Overall length (stand-on)	l <sub>1</sub> (mm)
	4.20	Length to face of forks (pedestrian)	l <sub>2</sub> (mm)
	4.20	Length to face of forks (stand-on)	l <sub>2</sub> (mm)
	4.21	Overall width	b <sub>1</sub> / b <sub>2</sub> (mm)
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)
	4.24	Fork-carriage width	b <sub>3</sub> (mm)
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)
	4.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)
	4.33	Load dimension b <sub>12</sub> x l <sub>6</sub> crossways	b <sub>12</sub> x l <sub>6</sub> (mm)
	4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (pedestrian)	A <sub>1</sub> (mm)
	4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (stand-on)	A <sub>1</sub> (mm)
	4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (pedestrian)	A <sub>2</sub> (mm)
	4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (stand-on)	A <sub>2</sub> (mm)
4.35	Turning radius (pedestrian)	W <sub>1</sub> (mm)	
4.35	Turning radius (stand-on)	W <sub>2</sub> (mm)	

PERFORMANCE DATA	5.1	Travel speed, laden/unladen (pedestrian)	km/h
	5.1	Travel speed, laden/unladen (stand-on)	km/h
	5.1.1	Travel speed, laden/unladen, backwards (pedestrian)	km/h
	5.1.1	Travel speed, laden/unladen, backwards (stand-on)	km/h
	5.2	Lift speed, laden/unladen	m/s
	5.3	Lowering speed laden/unladen	m/s
	5.7	Gradeability, laden/unladen ◊	%
	5.8	Max. gradeability, laden/unladen ◊	%
	5.10	Service brake	

ELECTRIC ENGINE	6.1	Drive motor S2 60 minute rating	kW
	6.2	Lift motor, S3 15% rating	kW
	6.3	Battery according to DIN 43531/35/36 A,B,C, no	
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah)
	6.5	Battery weight ▶	kg
	6.6	Energy consumption according to VDI cycle	kWh/h at number of cycles

DRIVE/LIFT MECHANISM	8.1	Type of drive unit	
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ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat ☼	dB(A)
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HYSTER		HYSTER		HYSTER	
P2.OSD		P2.OSD Platform with side protection (Biga)		P2.OSD Platform with side protection (Bob)	
Electric (battery)		Electric (battery)		Electric (battery)	
Pedestrian / Stand-on		Stand-on		Stand-on	
1 + 1		1 + 1		1 + 1	
600		600		600	
996		996		996	
1706		1706		1706	

1081		1138		1126	
1127	1954 †	1938	1200	1938	1188
772	1954 †	294	844	294	832

Vulkollan / Vulkollan		Vulkollan / Vulkollan		Vulkollan / Vulkollan	
254 x 90 †		85 x 74		85 x 74	
85 x 74 †		254 x 90		254 x 90	
125 x 50		125 x 50		125 x 50	
1x + 1	4 †	4	1x + 1	4	1x + 1
500 †		377		377	
377 †		500		500	

1560		1560		1560	
100		100		100	
1650		1650		1650	
2325		2325		2325	
130		130		130	
1220	1460	1220	1460	1220	1460
85		85		85	
90		90		90	
2159		-		-	
2605		2666		2715	
969		-		-	
1415		1476		1525	
780		780		780	
55	195	1190	55	195	1190
675		675		675	
572		572		572	
25		25		25	
25		25		25	
800x1200		800x1200		800x1200	
2775		-		-	
3213		3288		3327	
2624		-		-	
3062		3137		3176	
1974		-		-	
2412		2487		2526	

4.0	4.0	-	-	-	-
7.5	8	7.5	8.0	7.5	8.0
4.0	4.5	-	-	-	-
7.5	8.0	7.5	8.0	7.5	8.0
0.16	0.22	0.16	0.22	0.16	0.22
0.28	0.26	0.28	0.26	0.28	0.26
8.0	10.0	8.0	10.0	8.0	10.0
8.0	10.0	8.0	10.0	8.0	10.0
Electromagnetic		Electromagnetic		Electromagnetic	

4.0		4.0		4.0	
2.0		2.0		2.0	
no		no		no	
24V	300Ah	24V	300Ah	24V	300Ah
233		233		233	
TBA		TBA		TBA	

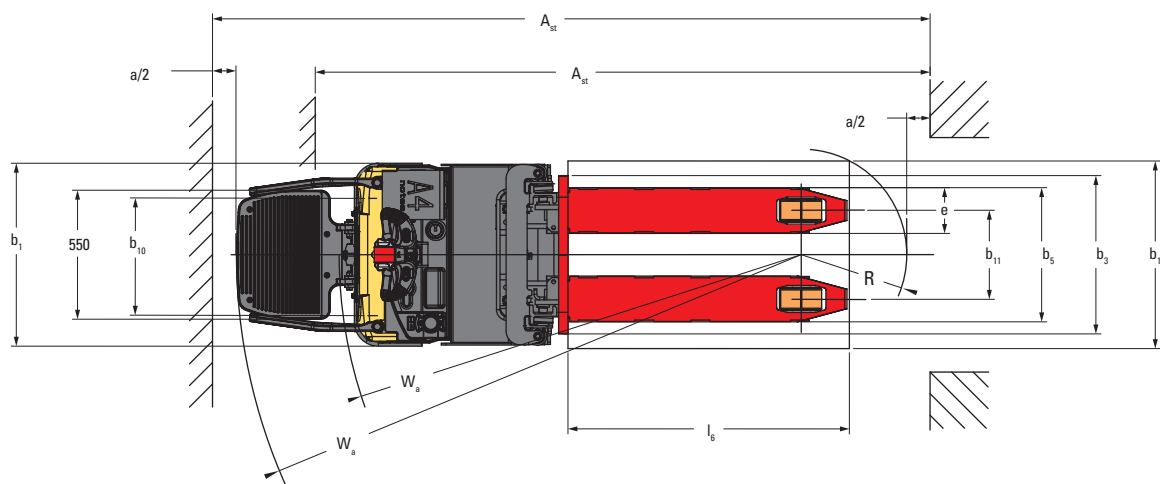
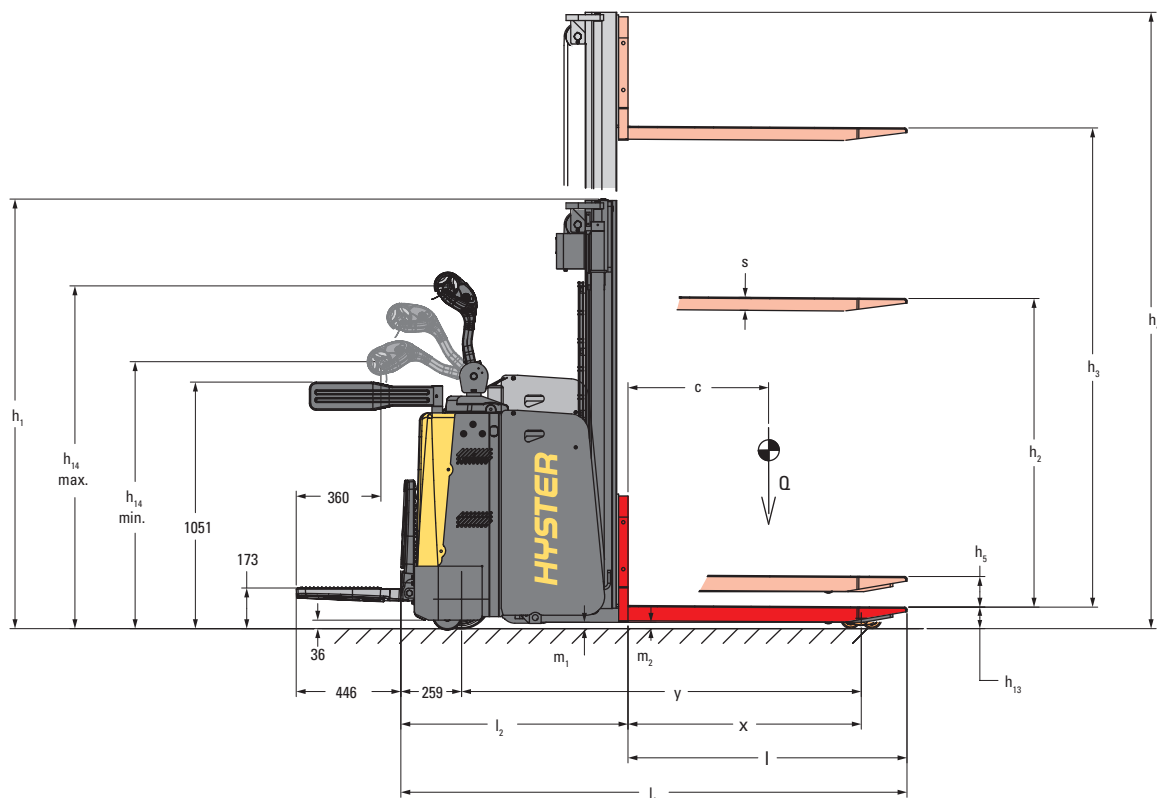
AC-Controller	AC-Controller	AC-Controller
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< 70	< 70	< 70
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**EQUIPMENT & WEIGHT:** Weights (line 2.1) are based on the following specifications: Complete truck with 195 mm wide forks. Vulkollan drive wheel and load rollers.

**FORKS:** P2.OSD: 55 x 195 x 1 190 mm long. **FORK SPACING:** Inside to inside: 180mm. Outside to outside: 570 mm. Other fork lengths and widths are available

# TRUCK DIMENSIONS



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

(see lines 4.34.1 & 4.34.2)

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

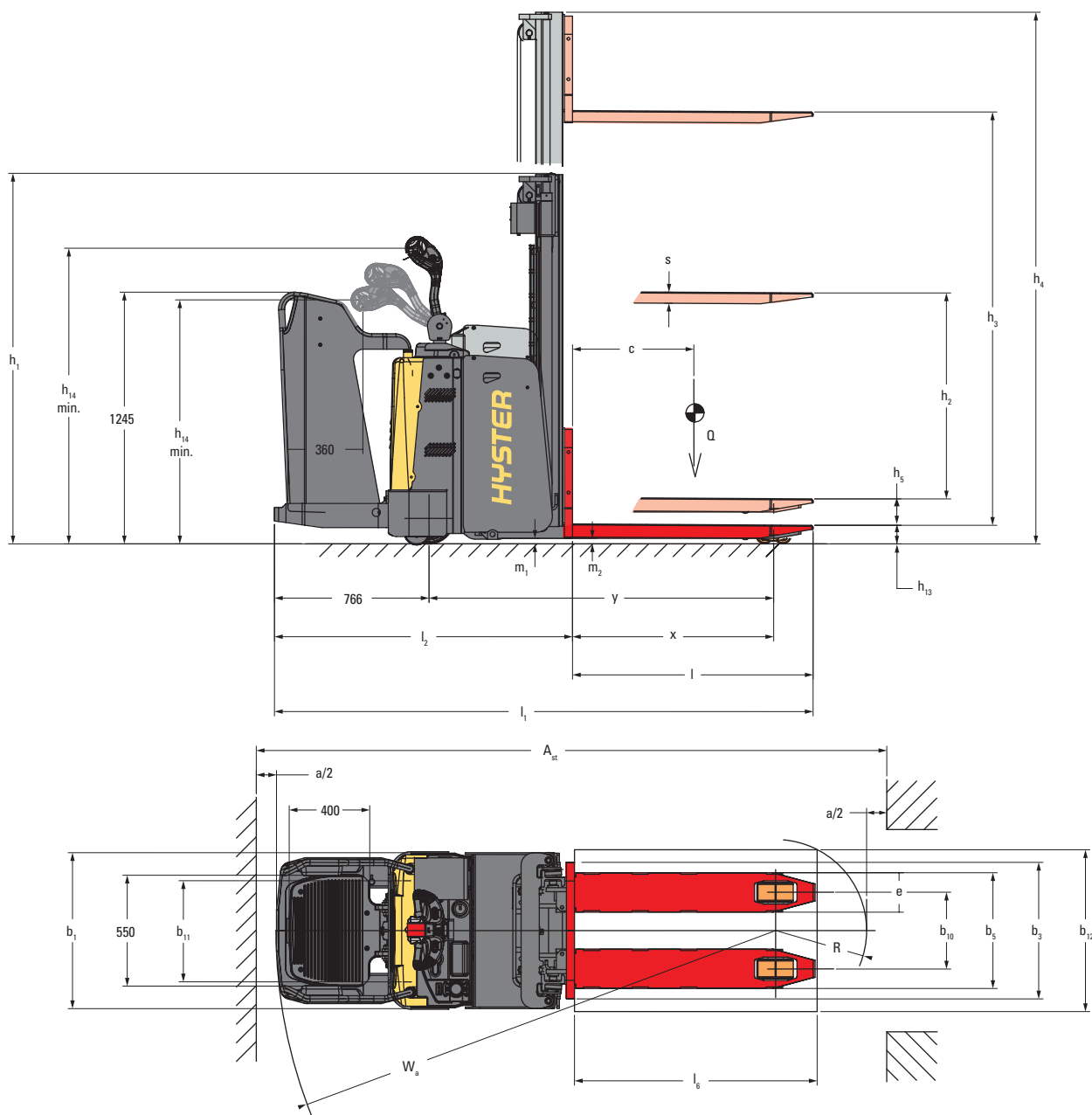
$a$  = Minimum operating clearance  
(VDI standard = 200 mm BITA recommendation = 300 mm)

$l_6$  = Load length



# TRUCK DIMENSIONS

## P2.OSD SIDE PROTECTION



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

(see lines 4.34.1 & 4.34.2)

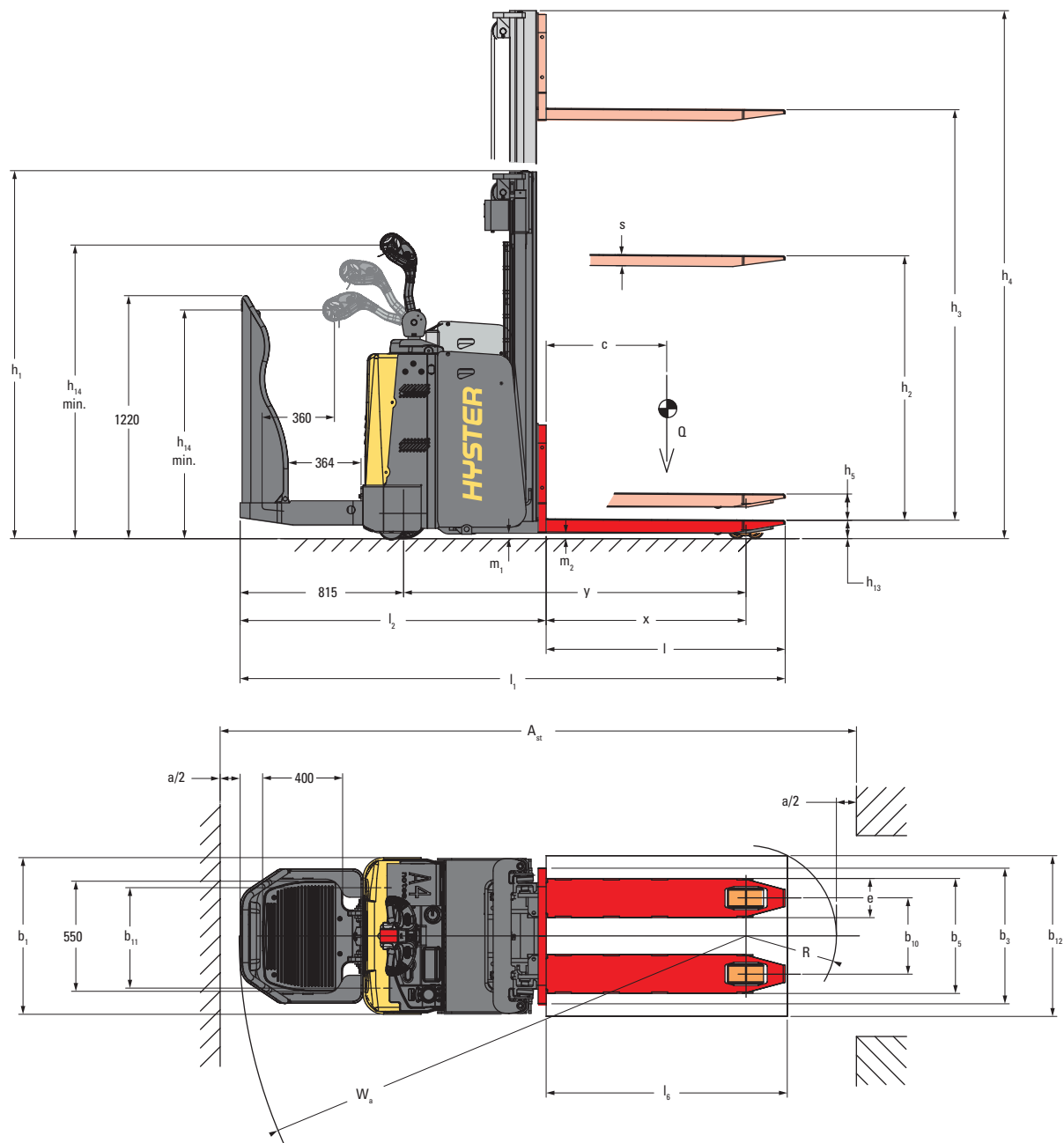
$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

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

$l_6$  = Load length

# TRUCK DIMENSIONS

## P2.0SD 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 DETAILS - 2 STAGE LFL, HI VI "J" PROFILE

Manufacturer's type designation	Lift height $h_3$ , mm	Free lift $h_2$ , mm	Height, mast lowered $h_1$ ❖, mm	Height, mast extended $h_4$ , mm	Weight ★ kg
P2.0SD	1650	100	1560	2325 ☞	326
P2.0SD	2100	100	1560	2695 †	358

### 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.

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

### MAST TABLES:

- ❖ With free lift of 100 mm.
- ☞ With load backrest for carriage  $h_4 + 415$  mm.
- + With load backrest for carriage  $h_4 + 495$  mm.
- ★ 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.

### CE Safety:

This truck conforms to the current EU requirements.





## PRODUCT FEATURES

- 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.
- 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.



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