

# S2.0SD SERIES

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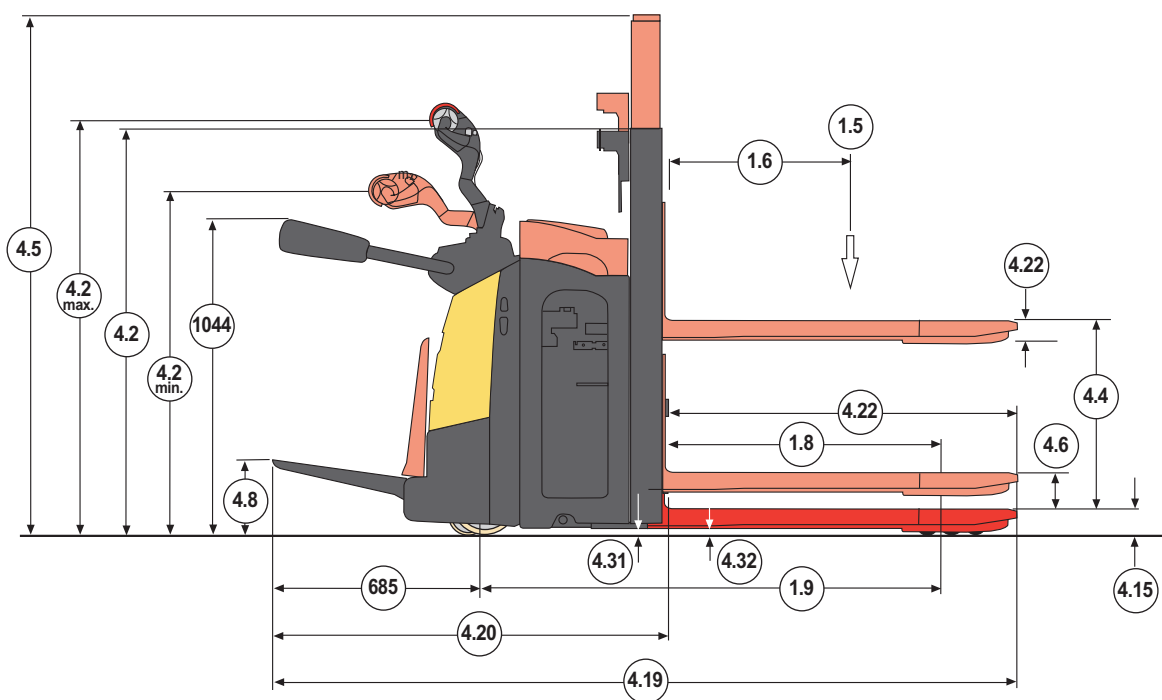
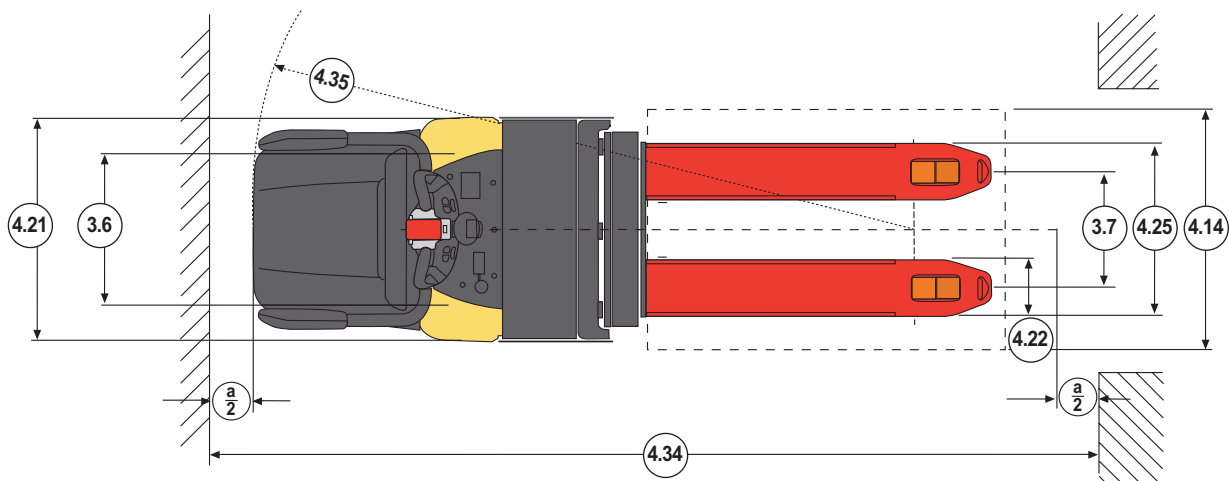


**DOUBLE STACKER WITH PLATFORM**  
**PRODUCT TECHNICAL GUIDE**



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# TRUCK DIMENSIONS



## MAST AND CAPACITY INFORMATION

S2.0SD				
Lift Height h <sub>3</sub> (mm)	Free Lift h <sub>2</sub> (mm)	Height Mast Lowered h <sub>1</sub> <sup>(1)</sup> (mm)	Height Mast Extended h <sub>4</sub> <sup>(2)</sup> (mm)	Weight <sup>(3)</sup> (kg)
1574	100	1346	2133	163
2020	100	1570	2536	177
2980	100	2050	3496	213

(1) With free lift of 100mm and initial lift lowered. (2) With load backrest (h=1000) for carriage h<sub>4</sub> + 562mm (2 stage mast), + 524mm (3 stage mast), + 518mm (2 ton. mast). (3) All weights are: mast structures (weldment, cylinders, chain, pulley) + oil. EXCLUDED: forks, accessories.

	GENERAL	WEIGHTS	WHEELS	DIMENSIONS	PERFORMANCE	
1.1	Manufacturer (abbreviation)			Hyster	Hyster	Hyster
1.2	Manufacturer's type designation			S2.OSD	S2.OSD platform with side protection	S2.OSD platform with rear protection
1.3	Drive: electric (battery type, mains, diesel, petrol, fuel gas)			Electric (battery)	Electric (battery)	Electric (battery)
1.4	Operator type: hand, pedestrian, standing, seated, order-picker			Pedestrian / Standing	Standing	Standing
1.5	Rated capacity/Rated load	Q	t	2.0	2.0	2.0
1.6	Load centre distance	c	(mm)	600	600	600
1.8	Load distance, centre of drive axle to fork (1)	x	(mm)	963	963	963
1.9	Wheelbase (1) (2)	y	(mm)	1585	1657	1657
2.1	Service weight (2) (3)		kg	1000	1140	1125
2.2	Axle loading laden, front/rear		kg	1080 / 1920	1910 / 1230	1900 / 1225
2.3	Axle loading unladen, front/rear		kg	760 / 255	270 / 870	260 / 865
3.1	Tyres: polyurethane, tophane, NDIIthane, front/rear			NDIIthane / NDIIthane	NDIIthane / NDIIthane	NDIIthane / NDIIthane
3.2	Tyre size, front	ø		254 x 90 (4)	85 x 70 (5)	85 x 70 (5)
3.3	Tyre size, rear	ø		85 x 70 (4) (5)	254 x 90	254 x 90
3.4	Additional wheels (dimensions)	ø		125 x 50	125 x 50	125 x 50
3.5	Wheels, number front/rear (x = driven wheels)			1x +2 / 4 (4)	4 / 1 x +2	4 / 1x+2
3.6	Tread, front	b10	(mm)	504 (4)	382	382
3.7	Tread, rear	b11	(mm)	382 (4)	504	504
4.2	Height, mast lowered	h1	(mm)	1346	1346	1346
4.3	Free lift	h2	(mm)	100	100	100
4.4	Lift	h3	(mm)	1574	1574	1574
4.5	Height, mast extended	h4	(mm)	2133	2133	2133
4.6	Initial lift	h5	(mm)	120	120	120
4.9	Height drawbar in driving position min./max.	h14	(mm)	1150 / 1383	1198 / 1288	1198 / 1288
4.15	Height, lowered	h13	(mm)	90	90	90
4.19	Overall length (pedestrian) (2)	l1	(mm)	2030	-	-
4.19	Overall length (standing) (2)	l1	(mm)	2463	2532	2629
4.20	Length to face of forks (pedestrian) (2)	l2	(mm)	880	-	-
4.20	Length to face of forks (standing) (2)	l2	(mm)	1313	1382	1479
4.21	Overall width	b1 / b2	(mm)	750	750	750
4.22	Fork dimensions	s/e/l	(mm)	55 / 185 / 1150	55 / 185 / 1150	55 / 185 / 1150
4.25	Forks spread	b5	(mm)	570	570	570
4.31	Ground clearance, laden, below mast	m1	(mm)	19	19	19
4.32	Ground clearance, center of wheelbase	m2	(mm)	19	19	19
4.33	Load dimension b12 x l6	b12 x l6	(mm)	1000 x 1200	1000 x 1200	1000 x 1200
4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (pedestrian) (2) (6)	Ast2	(mm)	2606	na	na
4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (standing) (2) (6)	Ast1	(mm)	3022	3083	3184
4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (pedestrian) (2) (6)	Ast2	(mm)	2499	na	na
4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (standing) (2) (6)	Ast1	(mm)	2915	2976	3077
4.35	Turning radius (pedestrian) (1) (2)	Wa2	(mm)	1864	na	na
4.35	Turning radius (standing) (1) (2)	Wa1	(mm)	2280	2341	2442
5.1	Travel speed, laden/unladen (pedestrian)		km/h	6 / 6	-	-
5.1	Travel speed, laden/unladen (standing)		km/h	9 / 10	9 / 10	9 / 10
5.1.1	Travel speed, laden/unladen, backwards (pedestrian)		km/h	6 / 6	-	-
5.1.1	Travel speed, laden/unladen, backwards (standing)		km/h	9 / 10	9 / 10	9 / 10
5.2	Lift speed, laden/unladen		m/s	0.15 / 0.31	0.15 / 0.31	0.15 / 0.31
5.3	Lowering speed, laden/unladen		m/s	0.40 / 0.34	0.40 / 0.34	0.40 / 0.34
5.7	Gradeability, laden/unladen		%	1.0 / 6.7	1.0 / 6.7	1.0 / 6.7
5.8	Max. gradeability, laden/unladen (7)		%	9.1 / 30.2	9.1 / 30.2	9.1 / 30.2
5.10	Service brake			Electromagnetic	Electromagnetic	Electromagnetic
6.1	Drive motor rating S2 60 min		kW	3	3	3
6.2	Lift motor rating at S3 15% (8)		kW	2.2	2.2	2.2
6.3	Battery according to DIN 43531 / 35 / 36 A,B,C, no			B	B	B
6.4	Battery voltage/nominal capacity K5 (2)		V/Ah	24V / 250Ah	24V / 375Ah	24V / 375Ah
6.5	Battery weight (2) (3)		kg	212	288	288
6.6	Energy consumption according to DIN EN 16976		kWh/h	1.5	1.5	1.5
6.7	Turnover output according to VDI 2198		t/h	45	45	45
6.8	Turnover efficiency according to VDI 2198		kWh/h)	30	30	30
8.1	Type of drive unit			AC-Controller	AC-Controller	AC-Controller
10.7	Sound pressure level at the driver's seat		dB (A)	66	66	66

(1) With load section lifted: -67mm. (2) See "Battery table". (3) These values may vary of +/- 5%. (4) Pedestrian version. For Stand-on version, front/rear are inverted. (5) Available 85 x 110mm tyre with single roller. (6) Forks raised - Ast = Wa + R + a Wa and R with forks raised. (7) If truck climbs ramps frequently (within 1h), consult your salesman. (8) Value referred to S3 5%.

**CERTIFICATION:** Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# STANDARD AND OPTIONAL EQUIPMENT

EQUIPMENT	STD	OPT
Key Switch Start	X	
Key Switch Start with Operator Password		X
Standard construction	X	
Cold Store construction (-30 °C)		X
624 x 284 x 627mm for 315 / 375 Ah battery	X	
624 x 212 x 627mm for 210 / 250 Ah battery		X
Side Extraction (using rollers)	X	
Side Extraction (for Li-ion batteries)		X
Mast lift height 1574mm (1346mm lowered height)	X	
Mast lift height 2020mm (1570mm lowered height)		X
Mast lift height 2980mm (2050mm lowered height)		X
1000mm high Load Backrest		X
Wire Mesh Mast Guard		X
Forks 55 x 570 x 1150mm	X	
570mm Carriage	X	
Lexan Mast Guard	X	
254 x 90mm NDIlthane drive wheels	X	
85 x 70mm tandem NDIlthane load wheels	X	
254 x 90mm NDIlthane Conductive drive wheels		X
85 x 100mm Single NDIlthane load wheels		X
Standard Platform with Side Arms	X	
Standard Platform without Side Arms		X
Standard Platform with Rear Protection		X
Standard Platform with Side Protection		X
Multifunctional display	X	

Tiller - fixed height *	X	
Scooter Control **	X	
A4 Clip board		X
Bottle holder		X
Foot sensor ***		X
Multipurpose bar		X
Multipurpose bar across		X
Multipurpose clamp 1PC		X
Multipurpose clamp 2PC		X
Tiller - adjusted height *		X
12V DC/DC Converter		X
24V DC/DC Converter		X
Manual Work Light		X
Automated Work Light		X
Blue LED Spotlight		X
Platform lights **		X
Forward Alarm (forks trailing)		X
Reverse Alarm (forks leading)		X
Forward/Reverse Alarm		X
Lead acid battery options		X
Lithium-ion battery options		X
Hyster Tracker		X
24 Months / 3000 hours Manufacturers Warranty	X	
36 Months / 4500 hours Extended Warranty		X

\* For Standard Platform with Side Arms only  
 \*\* For Standard Platform with Rear and Side Protection only  
 \*\*\* For Standard Platform with Side Protection only



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Safety: This truck conforms to the current EU requirements.

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