



**STRONG PARTNERS.
TOUGH TRUCKS.™**



PEDESTRIAN STACKER

S1.0, S1.2, S1.4, S1.6, S2.0

1 000 – 2 000KG



S1.0, S1.2, S1.4, S1.6, S2.0

DISTINGUISHING MARKS	HYSTER		HYSTER	
	S1.0	S1.2	S1.0	S1.2
1.1	Manufacturer (abbreviation)		Electric (battery)	
1.2	Manufacturer's type designation		Pedestrian	
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Pedestrian	
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	
1.5	Rated capacity/Rated load	Q (t)	1.0	1.2
1.6	Load centre distance	c (mm)	600	600
1.8	Load distance, centre of drive axle to fork ★	x (mm)	648	649
1.9	Wheelbase	y (mm)	1204	1259
WEIGHTS				
2.1	Service weight ●	kg	956	
2.2	Axle loading, laden front/rear	kg	676	1280
2.3	Axle loading, unladen front/rear	kg	642	314
TYRES / CHASSIS				
3.1	Tyres: polyurethane, tophane, vulkollan, front/rear		Tophane	
3.2	Tyre size, front	ø (mm x mm)	Polyurethane	
3.3	Tyre size, rear	ø (mm x mm)	Tophane	
3.4	Additional wheels (dimensions)	ø (mm x mm)	Polyurethane	
3.5	Wheels, number front/rear (x = driven wheels)		1x+1	2
3.6	Tread, front	b ₁₀ (mm)	510	510
3.7	Tread, rear	b ₁₁ (mm)	400	400
DIMENSIONS				
4.2	Height, mast lowered	h ₁ (mm)	2100	
4.3	Free lift	h ₂ (mm)	100	
4.4	Lift	h ₃ (mm)	3200	
4.5	Height, mast extended	h ₄ (mm)	3728	
4.9	Height drawbar in driving position min./max.	h ₁₄ (mm)	867	1223
4.15	Height, lowered	h ₁₃ (mm)	90	
4.19.1	Overall length (pedestrian) ☼	l ₁ (mm)	1878	
4.20.1	Length to face of forks (pedestrian) ☼	l ₂ (mm)	728	
4.21	Overall width	b ₇ /b ₂ (mm)	790	
4.22	Fork dimensions ☼	s/e/l (mm)	55	185
4.25	Distance between fork-arms ◆	b ₅ (mm)	570	
4.31	Ground clearance, laden, below mast	m ₁ (mm)	42	
4.32	Ground clearance, center of wheelbase	m ₂ (mm)	32	
4.33	Load dimension b ₁₂ × l ₈ crossways	b ₁₂ × l ₈ (mm)	1000 x 1200	
4.34.1	Aisle width for pallets 1200x1000 crossways	A ₃₄ (mm)	2307	
4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise	A ₃₄ (mm)	2293	
4.35.2	Turning radius (pedestrian)	W ₃ (mm)	1411	
PERFORMANCE DATA				
5.1	Travel speed, laden/unladen	km/h	6.0	6.0
5.1.1	Travel speed, laden/unladen, backwards	km/h	6.0	6.0
5.2	Lift speed, laden/unladen	m/s	0.15	0.23
5.3	Lowering speed, laden/unladen	m/s	0.37	0.35
5.7	Gradeability, laden/unladen	%	5.1	12.4
5.8	Max. gradeability, laden/unladen	%	13.2	24.6
5.10	Service brake		Electromagnetic	
ELECTRIC ENGINE				
6.1	Drive motor S2 60 minute rating	kW	1.2	
6.2	Lift motor S3 15% rating	kW	2.2kW ☉	
6.3	Battery according to DIN 43531/35/36 A,B,C, no		no	
6.4	Battery voltage/nominal capacity K5	(V)/(Ah)	24V	200Ah ★
6.5	Battery weight ☼	kg	185	
6.6	Energy consumption according to VDI cycle	kWh/h at number of cycles	0.68	
DRIVE/LIFT MECHANISM				
8.1	Type of drive unit		AC-Controller	
ADDITIONAL DATA				
10.7	Sound pressure level at the driver's position	dB (A)	67.6	

Specification data is based on VDI 2198

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

Complete truck with 2 stage NFL mast, 55 x 185 x 1150 mm forks, Tophane/Polyurethane drive and load wheels

HYSTER			HYSTER			HYSTER			1.1	DISTINGUISHING MARKS
S1.4			S1.6			S2.0			1.2	
Electric (battery)			Electric (battery)			Electric (battery)			1.3	
Pedestrian			Pedestrian			Pedestrian			1.4	
1.4			1.6			2.0			1.5	
600			600			600			1.6	
649			649			644			1.8	
1259			1331			1331			1.9	

1038			1145			1151			2.1	WEIGHTS
741	1697		805	1940		846	2305		2.2	
688	350		748	397		771	380		2.3	

Tophane		Polyurethane		Tophane		Polyurethane		Tophane		Polyurethane		3.1	TYRES / CHASSIS
230 x 70		230 x 70		230 x 70		230 x 70		230 x 70		230 x 70		3.2	
85 x 70		85 x 70		85 x 70		85 x 70		85 x 70		85 x 70		3.3	
150 x 54		150 x 54		150 x 54		150 x 54		150 x 54		150 x 54		3.4	
1x+1	4		1x+1	4		1x+1	4		1x+1	4		3.5	
510		510		510		510		510		510		3.6	
400		400		400		400		400		400		3.7	

2100			2100			2100			4.2	DIMENSIONS
100			100			100			4.3	
3200			3200			3000			4.4	
3728			3728			3572			4.5	
867	1223		867	1223		867	1223		4.9	
90			90			90			4.15	
1933			2005			2005			4.19.1	
783			855			855			4.20.1	
790			790			790			4.21	
55	185	1150	55	185	1150	65	185	1150	4.22	
570			570			570			4.25	
42			42			42			4.31	
32			32			32			4.32	
1000 x 1200			1000 x 1200			1000 x 1200			4.33	
2359			2428			2428			4.34.1	
2345			2414			2414			4.34.2	
1464			1533			1533			4.35.2	

6.0	6.0	6.0	6.0	6.0	6.0	5.1	PERFORMANCE DATA		
6.0	6.0	6.0	6.0	6.0	6.0	5.1.1			
0.16	0.28	0.14	0.28	0.10	0.19	5.2			
0.40	0.35	0.40	0.35	0.24	0.17	5.3			
3.7	11.3	3.1	10.1	2.5	10.3	5.7			
10.2	24.7	8.9	23.8	7.5	24.3	5.8			
Electromagnetic			Electromagnetic			Electromagnetic			5.10

1.2			1.2			1.2			6.1	ELECTRIC ENGINE
3kW ●			3kW ●			3kW ●			6.2	
B			B			B			6.3	
24V	250Ah ❖		24V	375Ah ○		24V	375Ah ○		6.4	
212			288			288			6.5	
0.89			0.99			0.99			6.6	

AC-Controller			AC-Controller			AC-Controller			8.1	DRIVE/LIFT MECHANISM
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67.6			67.6			67.6			10.7	ADDITIONAL DATA
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MAST INFORMATION

2 STAGE NFL

		Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm) ❖	Height, mast extended h4 (mm) ▽	Weight D (kg)
S1.2 S1.4 S1.6	S1.0	2800	100	1900 ✖	3328	329
		3000	100	2000 ✖	3528	343
		3200	100	2100	3728	356
		3400	100	2200	3928	369
		3600	100	2300	4128	382
	3800	100	2400	4328	395	
	4000	100	2500	4528	409	
	4200	100	2600	4728	422	

2 STAGE NFL

		Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm) ❖	Height, mast extended h4 (mm) ▽	Weight D (kg)
S2.0		2600	100	1900	3172	327
		2800	100	2000	3372	340
		3000	100	2100	3572	353
		3200	100	2200	3772	366
		3400	100	2300	3972	379
		3600	100	2400	4172	393
		3800	100	2500	4372	406
		4000	100	2600	4572	419

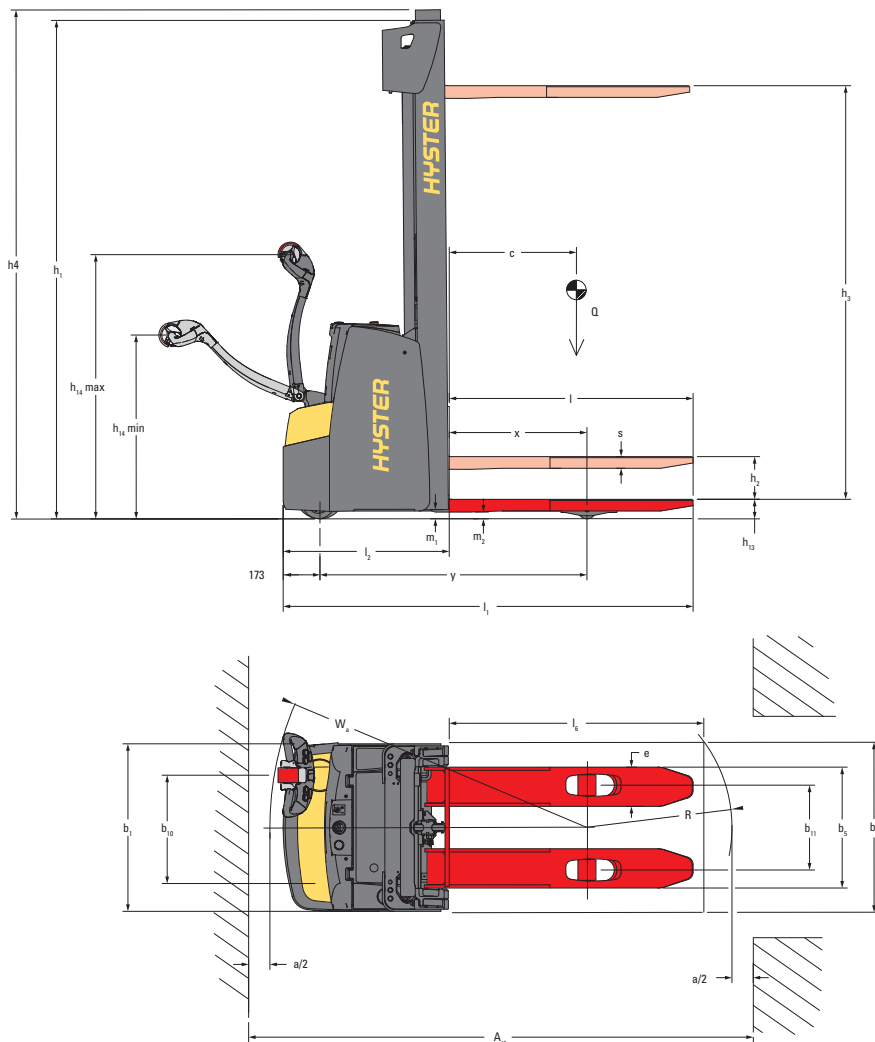
2 STAGE FFL

		Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm) ▽	Weight D (kg)
S1.2 S1.4 S1.6	S1.0	2740	1418	1850 ✖	3268	341
		2940	1518	1950 ✖	3468	354
		3140	1618	2050	3668	367
		3340	1718	2150	3868	380
		3540	1818	2250	4068	393
	3740	1918	2350	4268	406	
	3940	2018	2450	4468	419	
	4140	2118	2550	4668	432	

3 STAGE FFL

			Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm) ▽	Weight D (kg)
S1.6	S1.4	S1.2	4040	1318	1850 ✖	4606	462
			4340	1418	1950 ✖	4906	481
		4620	1518	2050	5186	499	
		4900	1618	2150	5466	518	
	5180	1718	2250	5746	537		
	5460	1818	2350	6026	556		
	5740	1918	2450	6306	575		
	6020	2018	2550	6586	594		

TRUCK DIMENSIONS



$$A_{st} = W_a + R + a = W_a + \sqrt{(l_6 - x)^2 + (b_{12}/2)^2} + a$$

(see lines 4.34.1 & 4.34.2)

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

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

- ★ With 3 stage mast -43 mm
- ⊕ With 3 stage mast +43mm, with 3stg mast with load backrest +43mm, with 2stg mast with load backrest +27mm
- ⊗ These values may vary of +/-5%.
- * Available batteries:
24V / 150Ah (144 kg);
24V / 200Ah Polypropylene case version (160 kg);
24V / 150Ah Polypropylene case version (125 kg)
- ▣ Available battery:
24V / 210Ah (212 kg);
24V / 250Ah Polypropylene case version (180 kg + ballast 32 kg)
- ❖ Available battery:
24V / 210Ah (212 kg);
24V / 315Ah (288 kg);
24V / 375Ah (288 kg);
24V / 250Ah Polypropylene case version (180 kg + ballast 32 kg)
- Available battery:
24V / 315Ah (288 kg)
- With forks 1400/1600 mm +14 kg
- ◆ Available b5 680 mm: with b5 680 mm, x -43 mm, l1 and l2 +43 mm
- ⊙ Value referred to S3 6%
- Value referred to S3 12%
- ◇ With 2stg mast and b5=570mm the s dimension increases 5mm for first 250mm at toe

MAST TABLES

- ❖ With free lift of 100 mm for NFL mast.
- ▽ With load backrest (h=1000) for carriage h4 + 562 mm (2 stage mast), + 524 mm (3 stage mast), + 518 mm (2 ton. mast).
- ▮ All weights are: mast structures (weldment, cylinders, chain, pulley) + oil
EXCLUDED: forks, accessories
- ✘ Not available with vertical extraction of battery BS200Ah

STANDARD EQUIPMENT AND OPTIONS

- x Standard equipment
- o Standard equipment
- Not available

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.

STANDARD EQUIPMENT AND OPTIONS

OPERATOR COMPARTMENT	FEATURE
	Start with key
	Keyless access
	Tillerhead control, proportional lifting/lowering
	Mechanical steering

\$1.0	\$1.2	\$1.4	\$1.6	\$2.0
X	X	X	X	X
0	0	0	0	0
X	X	X	X	X
X	X	X	X	X

LIFT PERFORMANCE	FEATURE
	2 stage NFL mast
	2 stage FFL mast
	3 stage FFL mast
	Mast guard - wire mesh grid
	Mast guard - Lexan
	Load backrest

\$1.0	\$1.2	\$1.4	\$1.6	\$2.0
X	X	X	X	X
0	0	0	0	-
-	0	0	0	-
X	X	X	X	X
0	0	0	0	0
0	0	0	0	0

APPLICATION ENVIRONMENT	FEATURE
	Travel speed 6 km/h reverse
	Travel speed 6 km/h forward
	Audible alarm (choice of forks leading, forks trailing, both travel directions)
	Multipurpose bar
	Multipurpose clamp 1pcs
	Beverage holder and document tray
	A4 clipboard
	Stretch film roll holder
	Multipurpose clamp 2pcs
	Cold store protection - 30° C
	Vertical battery extraction
	Lateral battery extraction
	Twin battery change station (fixed)
	Extension cable
	On board charger
	Single polyurethane load wheel
	Tandem polyurethane load wheels
	Topthane 92 SH drive tyre
	Dynaroll 95 SH drive tyre
	Redthane 75 SH drive tyre
	GRP Vulkollan antistatic 92 SH drive tyre
	Vulkollan 92 SH drive tyre

\$1.0	\$1.2	\$1.4	\$1.6	\$2.0
X	X	X	X	X
X	X	X	X	X
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
X	X	X	X	X
-	0	0	0	0
-	0	0	0	0
-	0	0	0	0
0	0	0	0	0
X	X	-	-	-
0	0	X	X	X
X	X	X	X	X
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

CHASSIS / FORK CARRIAGE / BATTERY	FEATURE	
	Chassis width (max)	790 mm
	Fork Carriage lengths	728 mm
		783 mm
		855 mm
	Battery sizes	150-200Ah
		210-250Ah
		315-375Ah

\$1.0	\$1.2	\$1.4	\$1.6	\$2.0
X	X	X	X	X
X	-	-	-	-
-	X	X	-	-
-	-	0	X	X
X	-	-	-	-
-	X	X	-	-
-	-	0	X	X

Please refer to Price List for full options configurations and compatibility

PRODUCT FEATURES

The new tough Hyster® Pedestrian Stacker is designed for stacking and retrieving loads at low and medium lift heights and horizontal load transfer over short and medium travel distances. It has excellent manoeuvrability, control and visibility.

The all-new Pedestrian Stacker is built with the quality hallmarks of Hyster: tough, intelligent, dependable and efficient.

DEPENDABILITY

- Robust chassis design with a one-piece base frame (no welded arms) and a new pressed bumper.
- Bumper has increased thickness of 5mm and has been designed with rounds that improve both the protection of the operator's foot and the robustness.
- Battery covers are made of thick injection moulded Polycarbonate.
- Dual processors controller for increased reliability.

PRODUCTIVITY

- The Hyster traction motor gives powerful acceleration and has an increased travel speed of up to 6km/h.
- Full AC infrastructure on motor allows seamless changes in direction of travel, increasing cycle speeds and the control of pallet handling operations.

ERGONOMICS

- Tiller arm is mounted in a mid height offset position with a reduced operating space to offer low effort steering and better functions controllability.
- Tiller head with angled left- and right-hand grips and large butterfly buttons incorporates proportional lift and lowering controls within easy reach.
- Mast incorporates Hyster designed profiles that reduce the total mast channel width and lift cylinder position optimized to increase operator visibility.

- Instrument panels are placed in reachable position and designed to house both Key or Keypad with the same layout and cover.
- The battery cover is designed to incorporate object holder although it has a wide sloped central plane to increase forks visibility.

LOW COST OF OWNERSHIP

- The Hyster 1.2 kW traction motor gives powerful acceleration and an increased travel speed for superior performance and increased productivity.
- Class leading lowest energy consumption makes Pedestrian Stacker one of the most cost effective solutions on the market.
- The battery cover protects the battery from falling objects while the emergency switch is still visible from all angles.
- Dash mounted display can show alarms, digital battery indicator and hourmeter.
- High level of parts commonality with other Hyster products with proven reliability and durability for ease of maintenance.

SERVICEABILITY

- Greased for life load rollers in mast design.
- Display provides error codes, battery status and hour-meter.
- Service access level by laptop and standardized Hyster service cable.
- Troubleshooting via CAN and via Display.
- Service interval hydraulic oil and filter - 3000h or 3 years.
- Standard warranty – 24 months

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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