



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



## **PEDESTRIAN STACKER**

**S1.0, S1.2, S1.4, S1.6**

**1000 – 1600KG**



# S1.0, S1.2, S1.4, S1.6

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, standing, 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)

HYSTER		HYSTER	
S1.0		S1.2	
Electric (battery)		Electric (battery)	
Pedestrian		Pedestrian	
1.0		1.2	
600		600	
648		649	
1204		1259	

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

956		1005	
676	1280	708	1497
642	314	663	342

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>18</sub> (mm)
	3.7	Tread, rear	b <sub>11</sub> (mm)

Tophane		Polyurethane		Tophane		Polyurethane	
230 x 70		230 x 70		230 x 70		230 x 70	
85 x 98		85 x 98		85 x 98		85 x 98	
150 x 54		150 x 54		150 x 54		150 x 54	
1x+1	2	1x+1	2	1x+1	2	1x+1	2
510		510		510		510	
400		400		400		400	

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)
	4.9	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)
	4.19.1	Overall length (pedestrian) ☼	l <sub>1</sub> (mm)
	4.20.1	Length to face of forks (pedestrian) ☼	l <sub>2</sub> (mm)
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.25	Distance between fork-arms ◆	b <sub>2</sub> (mm)
	4.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)
	4.32	Ground clearance, center of wheelbase	m <sub>2</sub> (mm)
	4.33	Load dimension b <sub>12</sub> x l <sub>4</sub> crossways	b <sub>12</sub> x l <sub>4</sub> (mm)

2100		2100			
100		100			
3200		3200			
3728		3728			
867	1223	867	1223		
85		85			
90		90			
1878		1933			
728		783			
790		790			
55	185	1150	55	185	1150
570		570			
42		42			
32		32			
1000 x 1200		1000 x 1200			
2307		2359			
2293		2345			
1411		1464			

PERFORMANCE DATA	5.1	Travel speed, laden/unladen	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	

6	6	6	6
0.15	0.23	0.17	0.28
0.37	0.35	0.4	0.35
5.1	12.4	4.3	11.7
13.2	24.6	11.5	24.0
Electromagnetic		Electromagnetic	

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

1.2		1.2	
2.2kW (S3 6%)		3kW (S3 11%)	
no		B	
24V	200Ah *	24V	250Ah ▽
185		212	
0.68		0.78	

DRIVE/LIFT MECHANISM	8.1	Type of drive unit
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AC-Controller	AC-Controller
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ADDITIONAL DATA	10.7	Sound pressure level at the driver's position	dB (A)
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67.7	67.7
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HYSTER		HYSTER		DISTINGUISHING MARKS
S1.4		S1.6		
Electric (battery)		Electric (battery)		
Pedestrian		Pedestrian		
1.4		1.6		
600		600		
649		649		
1259		1331		

1038		1145		WEIGHTS
741	1697	805	1940	
688	350	748	397	

Tophane		Polyurethane		Tophane		Polyurethane		TYRES / CHASSIS
230 x 70		230 x 70		230 x 70		230 x 70		
85 x 66		85 x 66		85 x 66		85 x 66		
150 x 54		150 x 54		150 x 54		150 x 54		
1x+1	4	1x+1	4	1x+1	4	1x+1	4	
510		510		510		510		
400		400		400		400		

2100		2100		DIMENSIONS		
100		100				
3200		3200				
3728		3728				
867	1223	867	1223			
85		85				
90		90				
1933		2005				
783		855				
790		790				
55	185	1150	55		185	1150
570		570				
42		42				
32		32				
1000 x 1200		1000 x 1200				
2359		2428				
2345		2414				
1464		1533				

6	6	6	6	PERFORMANCE DATA
0.16	0.28	0.14	0.28	
0.4	0.35	0.4	0.35	
3.7	11.3	3.1	10.1	
10.2	24.7	8.9	23.8	
Electromagnetic		Electromagnetic		

1.2		1.2		ELECTRIC ENGINE
3kW (S3 11%)		3kW (S3 11%)		
B		B		
24V	250Ah ◆	24V	375Ah ○	
212		288		
0.89		0.99		

AC-Controller	AC-Controller	DRIVE/LIFT MECHANISM
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67.7	67.7	ADDITIONAL DATA
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**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 +43 mm
- ☉ 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

- MAST TABLES**
- ◆ With free lift of 100 mm.
  - ▽ With load backrest (h=1000) for carriage h4 + 562 mm.
  - ▮ 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.

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

## MAST TABLES

### 2 STAGE NFL

		Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm) ✕	Height, mast extended h4 (mm) ▽	Weight ▶ (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
		4200	100	2600	4728	422

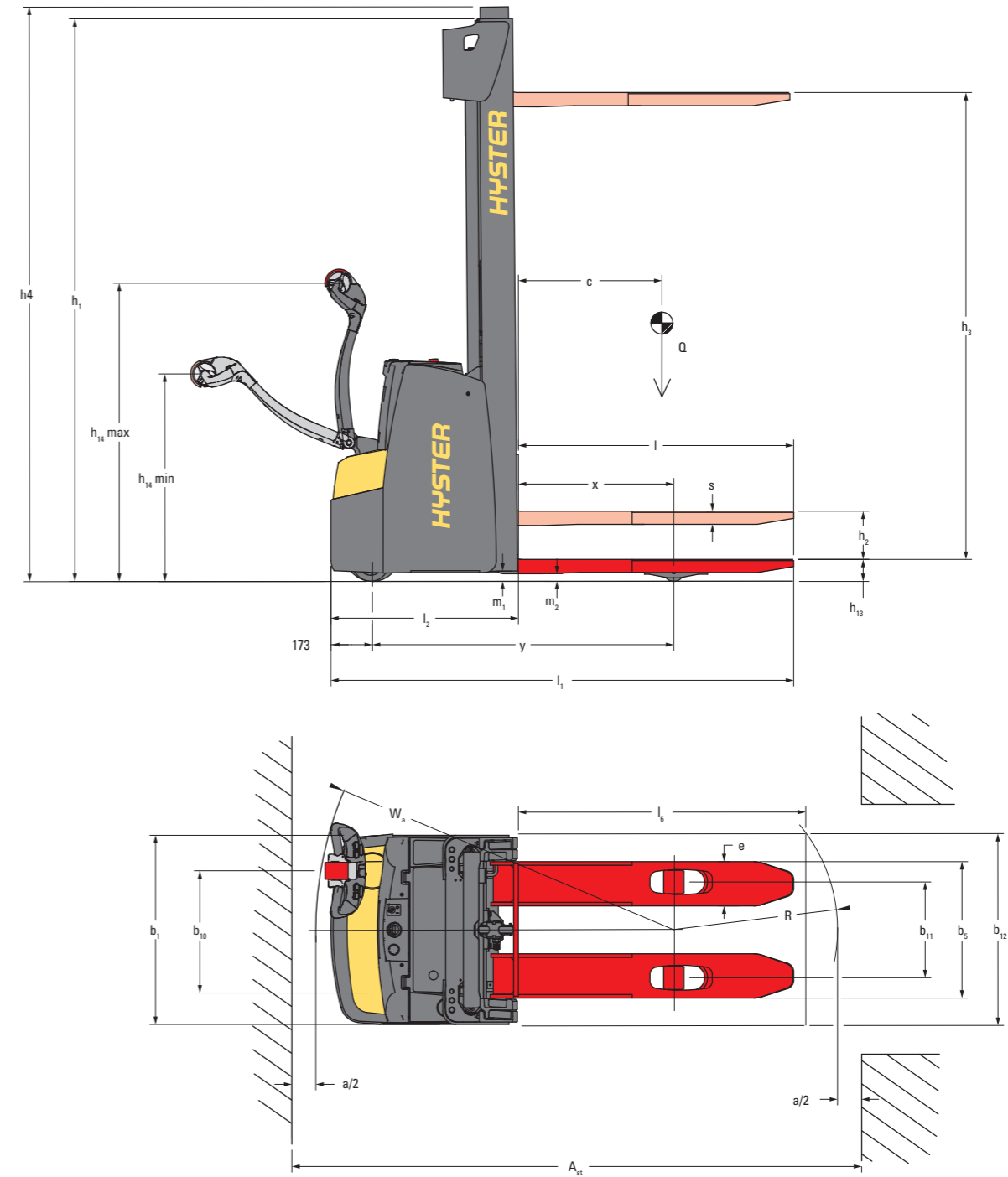
### 2 STAGE FFL

		Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm) ▽	Weight ▶ (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
		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 ▶ (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



$$A_{st} = W_a + R + a = W_a + \sqrt{(l_5 - x)^2 + (b_{12}/2)^2} + a$$

(see lines 4.34.1 & 4.34.2)

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

## STANDARD EQUIPMENT AND OPTIONS

OPERATOR COMPARTMENT	FEATURE
	Start with key
	Keyless access
	Tillerhead control, proportional lifting/lowering
	Secondary lever for double pallet handling
	Mechanical steering

\$1.0	\$1.2	\$1.4	\$1.6
x	x	x	x
o	o	o	o
x	x	x	x
o	o	o	o
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
x	x	x	x
o	o	o	o
-	o	o	o
x	x	x	x
o	o	o	o
o	o	o	o

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
	Tophane 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
x	x	x	x
x	x	x	x
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
x	x	x	x
-	o	o	o
-	o	o	o
o	o	o	o
x	x	-	-
o	o	x	x
x	x	x	x
o	o	o	o
o	o	o	o
o	o	o	o

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
x	-	-	-
x	-	-	-
-	x	x	-
-	-	-	x
x	-	-	-
-	x	x	-
-	-	o	x

## 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 with V0 flame retardant grade (according to UL-94).
- Dual processors controller for increased reliability.

### PRODUCTIVITY

- The new, improved Hyster traction motor gives powerful acceleration and has an increased travel speed of up to 6km/h.
- Full AC infrastructure on drive and steering motors 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.
- New mast incorporates new unique Hyster designed profiles that reduce the total mast channel width and lift cylinder position optimized to increase operator visibility.

- Instrument panels are placed in the best 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 new 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 has thick walls to protect the internal components 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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