



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# COUNTERBALANCED STACKER

**S1.0C, S1.2C, S1.5C**

**1000 – 1500KG**



# S1.0C, S1.2C, S1.5C

DISTINGUISHING MARKS	S1.0C		S1.2C		S1.5C	
	Manufacturer (abbreviation)	Manufacturer's type designation	Drive: electric (battery or mains), diesel, petrol, fuel gas	Operator type: hand, pedestrian, standing, seated, order-picker	Rated capacity/Rated load	Load centre distance
1.1	Manufacturer (abbreviation)				Q (t)	c (mm)
1.2	Manufacturer's type designation					x (mm)
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas					y (mm)
1.4	Operator type: hand, pedestrian, standing, seated, order-picker					
1.5	Rated capacity/Rated load					
1.6	Load centre distance					
1.8	Load distance, centre of drive axle to fork					
1.9	Wheelbase					
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)			
	3.5	Wheels, number front/rear (x = driven wheels)				
	3.7	Tread, rear	b <sub>11</sub> (mm)			
DIMENSIONS	4.1	Tilting mast forwards/backwards tilt	α / β (°)			
	4.2	Height of mast, lowered ✖	h <sub>1</sub> (mm)			
	4.4	Lift	h <sub>3</sub> (mm)			
	4.5	Height of mast, extended ○	h <sub>4</sub> (mm)			
	4.7	Over head guard height	h <sub>6</sub> (mm)			
	4.9	Height drawbar in driving position min./max. ✖	h <sub>14</sub> (mm)			
	4.15	Height, lowered	h <sub>13</sub> (mm)			
	4.19	Overall length	l <sub>1</sub> (mm)			
	4.20	Length to face of forks	l <sub>2</sub> (mm)			
	4.21	Overall width	b <sub>7</sub> /b <sub>2</sub> (mm)			
	4.22	Fork dimensions DIN ISO 2331 ✖	s/e/l (mm)			
	4.23	Fork carriage DIN 15173, Class/form A,B				
	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 under mast, with load	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> × l <sub>6</sub> crossways	b <sub>12</sub> × l <sub>6</sub> (mm)			
	4.34.1	Aisle width for pallets 1000mm x 1200mm crossways	A <sub>11</sub> (mm)			
	4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise	A <sub>12</sub> (mm)			
	4.35	Turning radius	W <sub>9</sub> (mm)			
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			
	5.8	Max. gradeability, laden/unladen	%			
	5.10	Service brake				
ELECTRIC ENGINE	6.1	Drive motor, S2 60 minute rating	kW			
	6.2	Lifting 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				
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat	dB (A)			

Specification data is based on VDI 2198

## EQUIPMENT & WEIGHT:

Weights (line 2.1) are based on the following specifications: S1.0C: Mast 2 972 mm. S1.2C: Mast 2 972 mm. S1.5C: Mast 2 972 mm.

HYSTER		HYSTER		HYSTER		1.1
S1.5C		S1.0C		S1.2C		1.2
Battery		Battery		Battery		1.3
Pedestrian		Stand on		Stand on		1.4
1.5		1.0		1.2		1.5
500		500		500		1.6
211		211		211		1.7
1600		1300		1450		1.8

2360		2210		2310		2.1
3345	515	530	2680	555	2955	2.2
1420	940	1195	1015	1315	995	2.3

Vulkollan		Vulkollan		Vulkollan		Vulkollan		Vulkollan		Vulkollan		3.1
254 x 125		254 x 125		254 x 125		254 x 125		254 x 125		254 x 125		3.2
200 x 100		200 x 100		200 x 100		200 x 100		200 x 100		200 x 100		3.3
1x	2	1x	2	1x	2	1x	2	1x	2	1x	2	3.5
837		837		837		837		837		837		3.7

+ 2		- 4		+ 2		- 4		+ 2		- 4		4.1
2325		2325		2325		2325		2325		2325		4.2
3372		3372		3372		3372		3372		3372		4.4
3961		3961		3961		3961		3961		3961		4.5
2312		2312		2312		2312		2312		2312		4.7
1180	1485	1220	1525	1220	1525	1220	1525	1220	1525	1220	1525	4.9
35		35		35		35		35		35		4.15
3042		2742		2892		2892		2892		2892		4.19
2042		1742		1892		1892		1892		1892		4.20
788		939		788		939		788		939		4.21
35	100	1000	35	100	1000	35	100	1000	35	100	1000	4.22
2A		2A		2A		2A		2A		2A		4.23
700		700		700		700		700		700		4.24
240	672	240	672	240	672	240	672	240	672	240	672	4.25
59		59		59		59		59		59		4.31
76		76		76		76		76		76		4.32
800 x 1200		800 x 1200		800 x 1200		800 x 1200		800 x 1200		800 x 1200		4.33
3406		3111		3258		3258		3258		3258		4.34.1
3522		3227		3374		3374		3374		3374		4.34.2
1855		1560		1707		1707		1707		1707		4.35

4.8		5.0		5.5		6.0		5.5		6.0		5.1
0.18		0.28		0.26		0.28		0.20		0.28		5.2
0.34		0.20		0.34		0.20		0.34		0.20		5.3
9.0		9.0		11.0		11.0		10.0		10.0		5.8
Electric	Electromagnetic	Electric	Electromagnetic	Electric	Electromagnetic	Electric	Electromagnetic	Electric	Electromagnetic	Electric	Electromagnetic	5.10

4		4		4		6.1
3		3		3		6.2
no		no		no		6.3
24V	400Ah	24V	300Ah	24V	400Ah	6.4
303		233		303		6.5
2.29		2.61		3.25		6.6

AC-Controller		AC-Controller		AC-Controller		8.1
AC-Controller		AC-Controller		AC-Controller		8.1

< 70		< 70		< 70		10.7
< 70		< 70		< 70		10.7

**FORKS:**  
S1.0C: 35 x 100 x 1 000 mm long. S1.2C: 35 x 100 x 1 000 mm long. S1.5C: 35 x 100 x 1 000 mm long.  
Fork spacing: Inside to inside: 240 mm. Outside to outside: 672 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.

- ★ Optional: 35/100/1200
- ⊗ Value referred to S3 10%
- ⊗ These values may vary of +/- 5%
- \* Reverse tiller for Stand-on version; Long tiller for all versions
- ▣ Available battery 400Ah. With battery 400Ah service weight +70kg
- ✘ With free lift of 100mm (2 stage LFL only)
- With load backrest for carriage h<sub>4</sub> + 461mm

**MAST TABLES:**

- ✘ With free lift of 100mm
  - △ With load backrest for carriage h<sub>4</sub> + 461mm
  - ❖ 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.

## MAST INFORMATION

Values shown are for standard equipment. When using non-standard equipment these values may change. Please contact your Hyster dealer for information.

### S1.0C-S1.2C-S1.5C

	Lift height h <sup>3</sup> mm	Height, mast lowered ✕ h <sup>1</sup> mm	Height, mast extended △ h <sup>4</sup> mm	Height, overhead guard h <sup>6</sup> mm
2 Stage LFL	2572	1925	3161	-
	2972	2125	3561	2262
	3372	2325	3961	2312
	3672	2475	4261	2412
	4072	2675	4661	2612

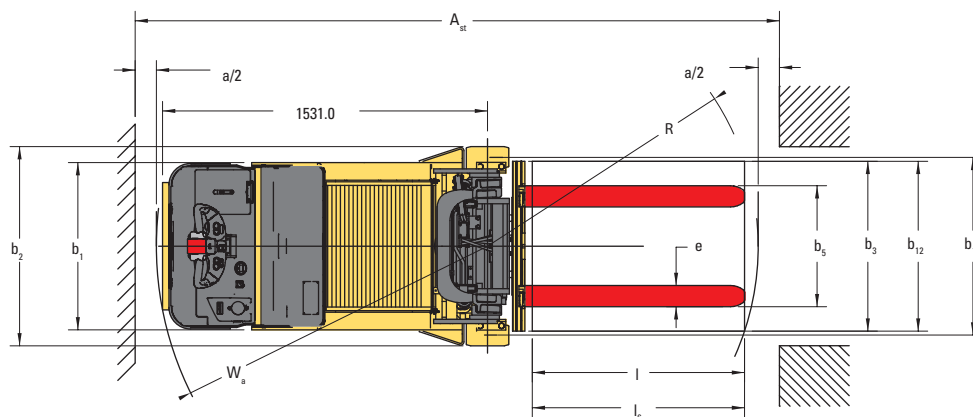
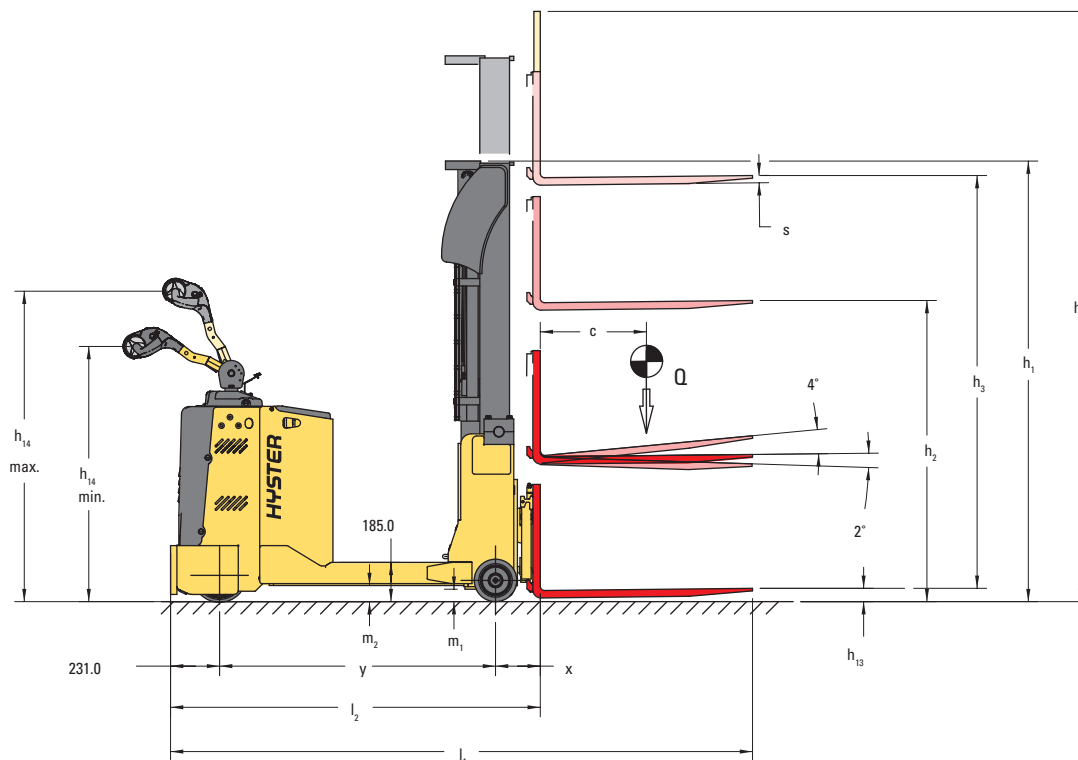
### S1.0C-S1.2C-S1.5C

	Lift height h <sup>3</sup> mm	Free lift h <sup>2</sup> mm	Height, mast lowered h <sup>1</sup> mm	Height, mast extended ✕ h <sup>4</sup> mm	Height, overhead guard h <sup>6</sup> mm
3 Stage FFL	3876	1305	1875	4451	-
	4176	1405	1975	4751	-
	4626	1555	2125	5201	2312
	5076	1705	2275	5651	2312

**NOTE:** The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

# TRUCK DIMENSIONS

## PEDESTRIAN MODEL



$A_{st} = W_a + R + a$   
(see lines 4.34.1 & 4.34.2)

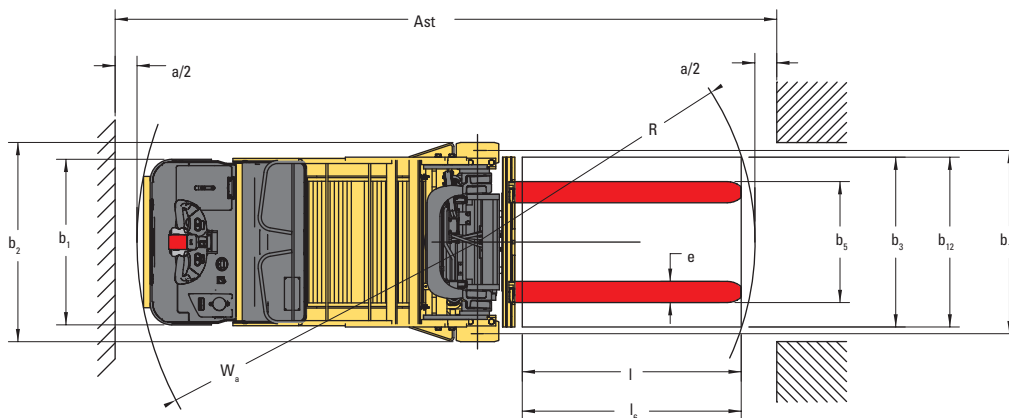
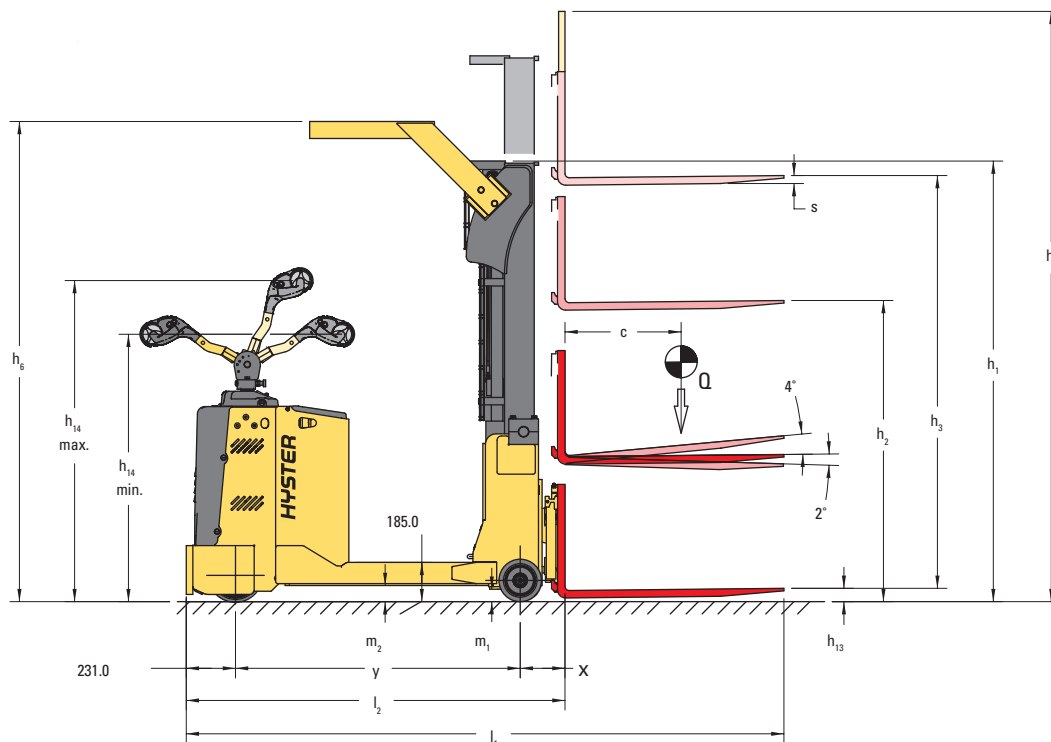
$$R = \sqrt{(l_6 + x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

$a = 200 \text{ mm}$

$l_6 = \text{Load length}$

# TRUCK DIMENSIONS

## STAND ON MODEL - S1.0C AND S1.2 ONLY



$A_{st} = W_a + R + a$   
 (see lines 4.34.1 & 4.34.2)

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

$a = 200 \text{ mm}$   
 $l_6 = \text{Load length}$

# PRODUCT FEATURES

## DEPENDABILITY

- Tough counterbalance performance.
- Comprehensive selection of mast configurations.
- Specific options available to ensure trucks meet exact operation requirements, e.g. load back rest, FEM forks and carriages.
- CANbus electronics reduce wiring complexity, for increased reliability.
- Integral sideshift allows optimum fork positioning for all applications.

## PRODUCTIVITY

- Operator-friendly tiller head controls for improved load handling.
- Power steering available for both pedestrian and stand-on operation.
- Compact chassis design improves handling in confined spaces.
- Automatic braking on release of the movement controls.
- Regenerative braking and anti-roll back as standard.
- Adjustable performance settings to suit specific operating conditions.

## ERGONOMICS

- Tiller head ergonomically designed for maximum operator comfort.
- Controls positioned to allow operation with either hand.
- EPAS (Electronic Power Assistance Steering) system provides optimum directional control at any speed.
- Software speed reduction on cornering.
- On/off auxiliary functions for tilt and side shift.
- Vertically mounted lifting motor with dampers to reduce noise and vibration.

## COST OF OWNERSHIP

- Powerful AC traction motor provides superior performance and increased load moves per hour.
- Increased load moves per hour reduces operating costs.
- Traction and hydraulics managed through MOSFET high frequency Combi controller.
- Intelligent management system optimises energy usage.
- Key-pad access allows greater management control.

## SERVICEABILITY

- Diagnostic indicators for early warning of maintenance requirements.
- Built in diagnostic system allows preventive maintenance communications, increasing uptime.
- Updated components permit extended service intervals.
- Driver Diagnostic Interface (DDI) informs operator in real-time about truck conditions.
- Hour meter and battery discharge indicator with lift interrupt fitted as standard.

# 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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