

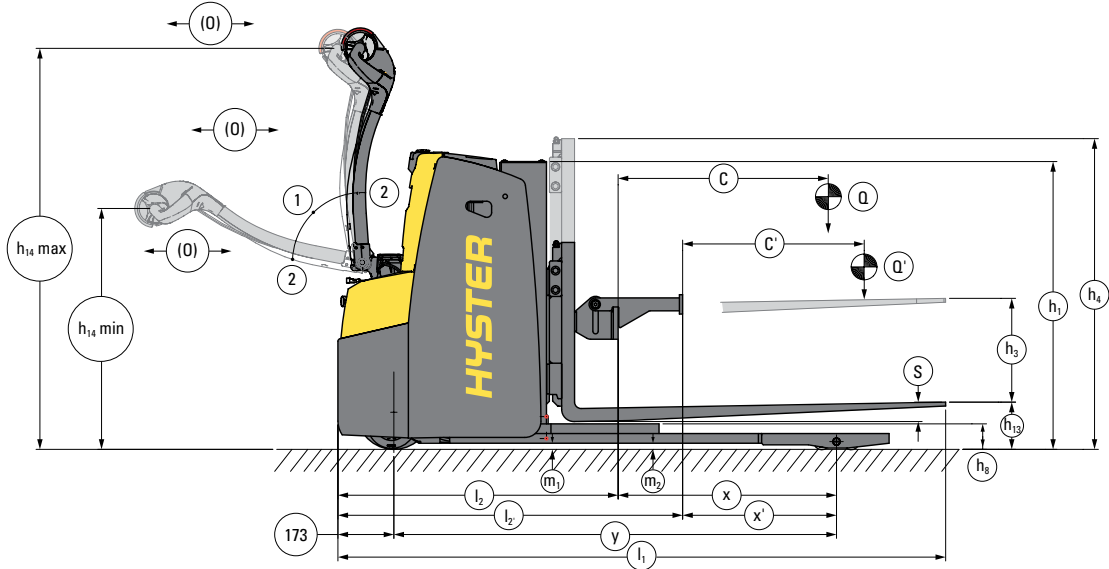
S2.4HBE



BATTERY STACKER
Product Technical Guide



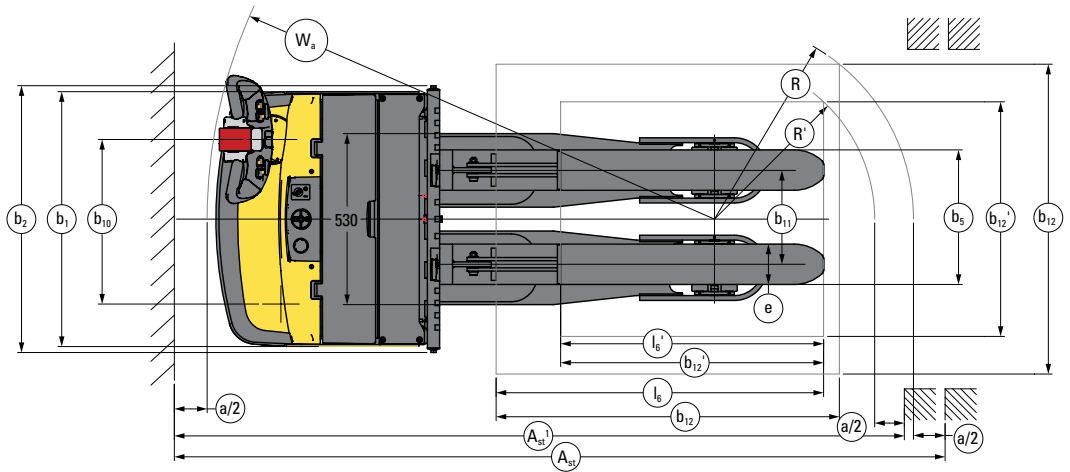
S2.4HBE DIMENSIONS



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

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

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



S2.4HBE SPECIFICATIONS

GENERAL	1-1	Manufacturer (abbreviation)			Hyster		
	1-2	Model designation			S2.4HBE		
	1-3	Drive			Electric (battery)		
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker			Pedestrian		
	1-5	Rated capacity / rated load	Q	t	2.4		
	1-6	Load centre distance	c	mm	514 ⁽³⁾ / 415 ⁽⁴⁾		
	1-8	Load distance, centre of drive axle to forks	x	mm	677 ⁽³⁾ / 477 ⁽⁴⁾		
	1-9	Wheelbase	y	mm	1372		
	WEIGHT	2-1	Service weight			914	
2-2		Axle loading with load, front / rear			858 / 2456		
2-3		Axle loading without load, front / rear			624 / 290		
WHEELS	3-1	Tyres: polyurethane, tophane, NDIIthane, front/rear			Polyurethane		
	3-2	Tyre size, front	ø	mm × mm	230 × 75		
	3-3	Tyre size, rear	ø	mm × mm	50 × 70		
	3-4	Additional wheels (dimensions)	ø	mm × mm	150 × 50		
	3-5	Wheels, number front/rear (x = driven wheels)			1x + 1/8		
	3-6	Tread, front	b ₁₀	mm	510		
	3-7	Tread, rear	b ₁₁	mm	291		
DIMENSIONS	4-2	Height, mast lowered			h ₁	mm	891
	4-3	Free lift			h ₂	mm	—
	4-4	Lift			h ₃	mm	291
	4-5	Height, mast extended			h ₄	mm	963
	4-9	Height drawbar in driving position min./max.			h ₁₄	mm	746 / 1242
	4-15	Height, lowered			h ₁₃	mm	142
	4-19	Overall length			l ₁	mm	1883
	4-20	Length to face of forks			l ₂	mm	868 ⁽³⁾ / 1068 ⁽⁴⁾
	4-21	Overall width			b ₁ / b ₂	mm	790 / 827
	4-22	Fork dimensions ⁽²⁾			s/e/l	mm	40 / 125 / 1150
	4-25	Distance between fork-arms			b ₅	mm	341 / 797
	4-31	Ground clearance, laden, below mast			m ₁	mm	20
	4-32	Ground clearance, center of wheelbase			m ₂	mm	20
	4-33	Load dimension b ₁₂ × l ₆ crossways			b ₁₂ × l ₆	mm	1028 × 999 ⁽³⁾ / 830 × 738 ⁽⁴⁾
	4-34-1	Aisle width for pallets 1200mm × 1000mm crossways			A _{st}	mm	—
	4-34-2	Aisle width for pallets 800mm × 1200mm lengthwise			A _{st}	mm	2389 ⁽³⁾ / 2262 ⁽⁴⁾
	4-35	Turning radius			W _a	mm	1572
PERFORMANCE	5-1	Travel speed, laden/unladen				km/h	4.4 / 6.0
	5-1-1	Travel speed, laden/unladen, backwards				km/h	4.4 / 6.0
	5-2	Lift speed, laden/unladen				m/s	0.05 / 0.07
	5-3	Lowering speed, laden/unladen				m/s	0.06 / 0.05
	5-7	Gradeability, laden/unladen				%	—
	5-8	Max. gradeability, laden/unladen				%	—
	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 (S3 5%)
	6-3	Battery according to DIN 43531/35/36 A,B,C, no					No
	6-4	Battery voltage/nominal capacity K _s				V/Ah	24V/150Ah ⁽⁵⁾⁽⁶⁾
	6-5	Battery weight ⁽¹⁾				kg	144
	6-6	Energy consumption according to VDI cycle				kWh	0.84
8-1	Type of drive unit					AC-Controller	
10-7	Sound pressure level at the driver's seat				dB (A)	66	

⁽¹⁾ These values may vary of +/-5%.

⁽²⁾ With 2stg mast and b5=570mm the s dimension increases 5mm for first 250mm at toe.

⁽³⁾ These values are with loadbackrest up.

⁽⁴⁾ These values are with loadbackrest down.

⁽⁵⁾ Available Li-Ion battery 24V / 120Ah (158 kg).

⁽⁶⁾ Available Li-Ion battery 24V / 180Ah (158 kg).

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.



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