

# CESAB S200 1.0 - 1.4 tonne

Powered Stacker Truck



## Truck Specifications



## CESAB S210 - S214 Truck Specifications

CHARACTERISTICS				
1.1	Manufacturer	CESAB	CESAB	CESAB
1.2	Model	S210	S212	S214
1.3	Drive	Electric	Electric	Electric
1.4	Operator type	Pedestrian	Pedestrian	Pedestrian
1.5	Load capacity/rated load	Q [kg]	1000	1200
1.6	Load centre	c [mm]	600	600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	657	639
1.9	Wheelbase	y [mm]	1190	1247
WEIGHT				
2.1	Service weight including battery	[kg]	808	929
2.2	Axle load, with load, drive/castor/support arm wheel	[kg]	350/280/1185	400/290/1445
2.3	Axle load, without load, drive/castor/support arm wheel	[kg]	350/230/235	400/250/285
WHEELS				
3.1	Drive/castor/fork wheel		Powerfriction/Vulkollan/Vulkollan *)	
3.2	Wheel size, front	[mm]	Ø230x70	Ø230x70
3.3	Wheel size, rear	[mm]	Ø85x95	Ø85x95
3.4	Additional wheels (dimensions)	[mm]	Ø125x50	Ø125x50
3.5	Wheels, number front/rear (x=driven wheels)		1x+2/2	1x+2/2
3.6	Track width, front	b <sub>10</sub> [mm]	550	550
3.7	Track width, rear	b <sub>11</sub> [mm]	390	390
DIMENSIONS				
4.2	Height, mast lowered	h <sub>1</sub> [mm]	2151 *)	2135 *)
4.3	Free lift	h <sub>2</sub> [mm]	166 *)	166 *)
4.4	Lift	h <sub>3</sub> [mm]	3210 *)	3210 *)
	Lift height	h <sub>23</sub> [mm]	3300 *)	3255 *)
4.5	Height, mast extended	h <sub>4</sub> [mm]	3720 *)	3720 *)
4.8	Stand height (optional platform)	h <sub>7</sub> [mm]	150	150
4.9	Height of tiller in drive position, min./max.	h <sub>14</sub> [mm]	865/1235	865/1235
4.15	Height, fork lowered	h <sub>13</sub> [mm]	90	90
4.19	Overall length	l <sub>1</sub> [mm]	1833	1908
4.20	Length to face of forks	l <sub>2</sub> [mm]	683	758
4.21	Overall width	b <sub>1</sub> [mm]	770	770 *)
4.22	Fork dimensions	s/e/l [mm]	60/180/1150 *)	60/180/1150 *)
4.24	Fork-carriage width	b <sub>3</sub> [mm]	674	674
4.25	Width over forks	b <sub>5</sub> [mm]	570 *)	570 *)
4.31	Ground clearance, with load, below mast	m <sub>1</sub> [mm]	27	27
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> [mm]	27	27
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub> [mm]	2231	2297
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub> [mm]	2214	2286
4.35	Turning radius	W <sub>a</sub> [mm]	1340	1397
PERFORMANCE DATA				
5.1	Travel speed, with/without load	[km/h]	6/6	6/6
5.2	Lift speed, with/without load	[m/s]	0.14/0.28	0.12/0.28
5.3	Lowering speed, with/without load	[m/s]	0.38/0.38	0.37/0.38
5.8	Max. gradeability, with/without load	[%]	8/12 <sup>1)</sup>	8/12 <sup>1)</sup>
5.10	Service brake		Electromagnetic	Electromagnetic
ELECTRIC MOTOR				
6.1	Drive motor rating S2 60 min	[kW]	1.0	1.5
6.2	Lift motor rating at S3 15%	[kW]	2.2 <sup>2)</sup>	2.2 <sup>2)</sup>
6.4	Battery voltage/nominal capacity K <sub>s</sub>	[V/Ah]	24/150 *)	24/225 *)
6.5	Battery weight	[kg]	163 *)	219 *)
OTHERS				
8.1	Type of drive control		CESAB Drive Control	CESAB Drive Control

<sup>1)</sup> Measured according to company standard

<sup>2)</sup> S3 6%

<sup>3)</sup> Further alternatives are available and will produce other values.

Data is based on standard configurations: Small battery compartment (S210), medium battery compartment (S212 & S214)

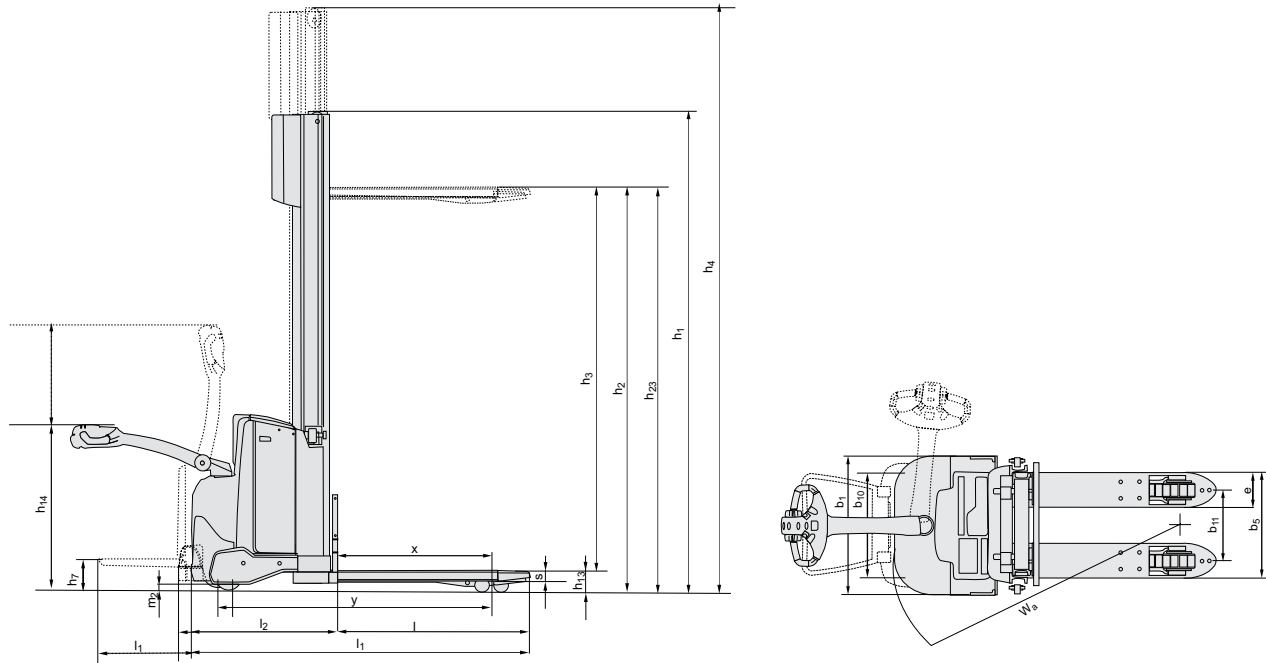
h<sub>23</sub> = 3300 mm Duplex Tele mast (S210), h<sub>23</sub> = 3300 mm Duplex Tele open view mast (S212), h<sub>23</sub> = 3255 mm Duplex Tele open view mast (S214)

Truck performance and dimensions are nominal and subject to tolerances.

Products and specifications are subject to change without notice.



## CESAB S210 - S214 Dimensional Drawings



## Battery compartments

			S210		S212	S214
Battery compartment			Small	Medium	Medium	Medium
1.9	Wheelbase	y [mm]	1190	1247	1247	1247
4.19	Overall length	l <sub>1</sub> [mm]	1833	1890	1908	1908
		l <sub>2</sub> [mm]	1918/2308	1975/2365	1993/2383	1993/2383
4.20	Length to face of forks	l <sub>2</sub> [mm]	683	740	758	758
		l <sub>2</sub> [mm]	768/1158	825/1215	843/1233	843/1233
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub> [mm]	2231	2288	2297	2297
		A <sub>st</sub> [mm]	2316/2716	2373/2773	2382/2782	2382/2782
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub> [mm]	2214	2271	2286	2286
		A <sub>st</sub> [mm]	2299/2699	2356/2756	2371/2771	2371/2771
4.35	Turning radius	W <sub>a</sub> [mm]	1340	1397	1397	1397
		W <sub>a</sub> [mm]	1425/1825	1482/1882	1482/1882	1482/1882
6.4	Battery voltage, nominal capacity K <sub>5</sub>	[V/Ah]	24/150	24/225	24/225	24/225
6.5	Battery weight, min.-max.	[kg]	120-165	189-250	189-250	189-250

Availability and specifications are determined regionally and are subject to change without notice. Please consult your authorised CESAB distributor for further details. P&B-0510 S200/S1.0/MAY10.

## Mast Specifications

S210		Simplex	Duplex Tele			Duplex Tele Open View		
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	[mm]	1400	1700	2700	2900	3300	2700
h <sub>3</sub>	Lift	[mm]	1310	1610	2610	2810	3210	2610
h <sub>1</sub>	Height, mast lowered	[mm]	1825	2125	1851	1951	2151	1835
h <sub>2</sub>	Free lift, ground to top of forks	[mm]	1400	1700	166	166	166	166
h <sub>4</sub>	Height, mast extended	[mm]	1836	2136	3140	3340	3740	3140

S212		Simplex	Duplex Tele			Duplex Tele Open View			Duplex Freelif			Triplex Freelif		
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	[mm]	1400	1700	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150
h <sub>3</sub>	Lift	[mm]	1310	1610	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060
h <sub>1</sub>	Height, mast lowered	[mm]	1825	2125	1840	1940	2140	2340	2565	1835	1935	2135	2335	2560
h <sub>2</sub>	Free lift, ground to top of forks	[mm]	1400	1700	166	166	166	166	166	166	166	166	166	166
h <sub>4</sub>	Height, mast extended	[mm]	1836	2136	3140	3340	3740	4140	4590	3140	3340	3740	4140	4590

S214		Duplex Tele Open View			Duplex Freelif			Triplex Freelif		
h <sub>23</sub>	Lift height (h <sub>13</sub> +h <sub>3</sub> )	[mm]	2655	2855	3255	3655	4105	2655	2855	3255
h <sub>3</sub>	Lift	[mm]	2565	2765	3165	3565	4015	2565	2765	3165
h <sub>1</sub>	Height, mast lowered	[mm]	1860	1960	2160	2360	2585	1835	1935	2135
h <sub>2</sub>	Free lift, ground to top of forks	[mm]	166	166	166	166	166	1374	1474	1674
h <sub>4</sub>	Height, mast extended	[mm]	3125	3325	3725	4125	4575	3141	3341	3741

## CESAB S212L - S214L - S212S Truck Specifications

CHARACTERISTICS			Elevating Support Arms	Elevating Support Arms	Straddle Support Arms
1.1	Manufacturer		CESAB	CESAB	CESAB
1.2	Model		S212L	S214L	S212S
1.3	Drive		Electric	Electric	Electric
1.4	Operator type		Pedestrian	Pedestrian	Pedestrian
1.5	Load capacity/rated load	Q [kg]	1200	1400	1200
	Support arm capacity/fork and support arm capacity	Q [kg]	1600/-	2000/-	
1.6	Load centre	c [mm]	600	600	600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	640	632	569
1.9	Wheelbase	y [mm]	1302	1302	1203
WEIGHT					
2.1	Service weight including battery	[kg]	929	929	1009
2.2	Axle load, with load, drive/castor/support arm wheel	[kg]	450/340/1345	450/360/1525	635/1580
2.3	Axle load, without load, drive/castor/support arm wheel	[kg]	450/220/265	450/220/265	675/340
WHEELS					
3.1	Drive/castor/fork wheel		Powerfriction/Vulkollan/Vulkollan *)	Powerfriction/Vulkollan/Vulkollan	Powerfriction/Vulkollan/Vulkollan *)
3.2	Wheel size, front	[mm]	Ø230x70	Ø230x70	Ø230x70
3.3	Wheel size, rear	[mm]	Ø85x74	Ø85x74	Ø100x73
3.4	Additional wheels (dimensions)	[mm]	Ø125x50	Ø125x50	
3.5	Wheels, number front/rear (x=driven wheels)		1x+2/4	1x+2/4	1x/2
3.6	Track width, front	b <sub>10</sub> [mm]	550	550	
3.7	Track width, rear	b <sub>11</sub> [mm]	390	390	1000
DIMENSIONS					
4.2	Height, mast lowered	h <sub>1</sub> [mm]	2135 *)	2160 *)	1832 *)
4.3	Free lift	h <sub>2</sub> [mm]	166 *)	166 *)	1380 *)
4.4	Lift	h <sub>3</sub> [mm]	3210 *)	3165 *)	2655 *)
	Lift height	h <sub>23</sub> [mm]	3300 *)	3255 *)	2655 *)
4.5	Height, mast extended	h <sub>4</sub> [mm]	3740 *)	3725 *)	3226 *)
4.6	Initial lift	h <sub>5</sub> [mm]	120	120	
4.8	Stand height (optional platform)	h <sub>7</sub> [mm]	150	150	150
4.9	Height of tiller in drive position, min./max.	h <sub>14</sub> [mm]	865/1235	865/1235	865/1235
4.10	Height of support arm	h <sub>10</sub> [mm]			100
4.15	Height, fork lowered	h <sub>13</sub> [mm]	90	90	50
4.19	Overall length	l <sub>1</sub> [mm]	1903	1911	1934
4.20	Length to face of forks	l <sub>2</sub> [mm]	753	761	784
4.21	Overall width	b <sub>1</sub> [mm]	770	770 *)	770/1100 *)
4.22	Fork dimensions	s/e/l [mm]	60/180/1150 *)	70/180/1150 *)	40/100/1150 *)
4.24	Fork-carriage width	b <sub>3</sub> [mm]	674	674	840
4.25	Width over forks	b <sub>5</sub> [mm]	570 *)	570 *)	252—800
4.26	Distance between support arms	b <sub>4</sub> [mm]			900 *)
4.31	Ground clearance, with load, below mast	m <sub>1</sub> [mm]	22	22	32
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> [mm]	22	22	40
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub> [mm]	2293	2297	2292
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub> [mm]	2281	2288	2300
4.35	Turning radius	W <sub>a</sub> [mm]	1393	1393	1353
PERFORMANCE DATA					
5.1	Travel speed, with/without load	[km/h]	6/6	6/6	6/6
5.2	Lift speed, with/without load	[m/s]	0.12/0.27	0.11/0.27	0.11/0.21
5.3	Lowering speed, with/without load	[m/s]	0.38/0.32	0.37/0.32	0.33/0.24
5.8	Max. gradeability, with/without load	[%]	9/12 <sup>1)</sup>	8/12 <sup>1)</sup>	8/10 <sup>1)</sup>
5.10	Service brake		Electromagnetic	Electromagnetic	Electromagnetic
ELECTRIC MOTOR					
6.1	Drive motor rating S2 60 min	[kW]	1.5	1.5	1.0
6.2	Lift motor rating at S3 15%	[kW]	2.2 <sup>2)</sup>	2.2 <sup>2)</sup>	2.2 <sup>2)</sup>
6.4	Battery voltage/nominal capacity K <sub>s</sub>	[V/Ah]	24/225 *)	24/225 *)	24/225 *)
6.5	Battery weight	[kg]	219 *)	219 *)	219 *)
OTHERS					
8.1	Type of drive control		CESAB Drive Control	CESAB Drive Control	CESAB Drive Control

<sup>1)</sup> Measured according to company standard

<sup>2)</sup> S3 6%

<sup>3)</sup> Further alternatives are available and will produce other values.

Data is based on standard configurations: medium battery compartment, h<sub>23</sub> = 3300 mm (S212L) and 3255 mm (S214L) Duplex Tele Open View mast and h<sub>23</sub> = 2655 mm Duplex Freelif mast (S212S).

Truck performance and dimensions are nominal and subject to tolerances.

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