

CESAB S200 1.0 - 1.4 tonne

Powered Stacker Truck



Truck Specifications



CESAB S200 1.0 - 1.4 tonne

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 1400
1.6	Load centre	c [mm]	600	600 600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	657	639 639
1.9	Wheelbase	y [mm]	1190	1247 1247
WEIGHT				
2.1	Service weight including battery	[kg]	808	929 929
2.2	Axle load, with load, drive/castor/support arm wheel	[kg]	350/280/1185	400/290/1445 450/245/1640
2.3	Axle load, without load, drive/castor/support arm wheel	[kg]	350/230/235	400/250/285 450/200/285
WHEELS				
3.1	Drive/castor/fork wheel		Powerfriction/Vulkollan/Vulkollan *)	
3.2	Wheel size, front	[mm]	Ø230x70	Ø230x70 Ø230x70
3.3	Wheel size, rear	[mm]	Ø85x95	Ø85x95 Ø85x95
3.4	Additional wheels (dimensions)	[mm]	Ø125x50	Ø125x50 Ø125x50
3.5	Wheels, number front/rear (x=driven wheels)		1x+2/2	1x+2/2 1x+2/2
3.6	Track width, front	b ₁₀ [mm]	550	550 550
3.7	Track width, rear	b ₁₁ [mm]	390	390 390
DIMENSIONS				
4.2	Height, mast lowered	h ₁ [mm]	2151 *)	2135 *) 2160 *)
4.3	Free lift	h ₂ [mm]	166 *)	166 *) 166 *)
4.4	Lift	h ₃ [mm]	3210 *)	3210 *) 3165 *)
	Lift height	h ₂₃ [mm]	3300 *)	3300 *) 3255 *)
4.5	Height, mast extended	h ₄ [mm]	3740 *)	3740 *) 3725 *)
4.8	Stand height (optional platform)	h ₇ [mm]	150	150 150
4.9	Height of tiller in drive position, min./max.	h ₁₄ [mm]	865/1235	865/1235 865/1235
4.15	Height, fork lowered	h ₁₃ [mm]	90	90 90
4.19	Overall length	l ₁ [mm]	1833	1908 1908
4.20	Length to face of forks	l ₂ [mm]	683	758 758
4.21	Overall width	b ₁ [mm]	770	770 770 *)
4.22	Fork dimensions	s/e/l [mm]	60/180/1150 *)	60/180/1150 *) 70/180/1150 *)
4.24	Fork-carriage width	b ₃ [mm]	674	674 674
4.25	Width over forks	b ₅ [mm]	570 *)	570 *) 570 *)
4.31	Ground clearance, with load, below mast	m ₁ [mm]	27	27 27
4.32	Ground clearance, centre of wheelbase	m ₂ [mm]	27	27 27
4.33	Aisle width for pallets 1000x1200 crossways	A _{st} [mm]	2231	2297 2297
4.34	Aisle width for pallets 800x1200 lengthways	A _{st} [mm]	2214	2286 2286
4.35	Turning radius	W _a [mm]	1340	1397 1397
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]	0.14/0.28	0.12/0.28 0.11/0.28
5.3	Lowering speed, with/without load	[m/s]	0.38/0.38	0.38/0.38 0.37/0.38
5.8	Max. gradeability, with/without load	[%]	8/12 ¹⁾	8/12 ¹⁾ 8/12 ¹⁾
5.10	Service brake		Electromagnetic	Electromagnetic Electromagnetic
ELECTRIC MOTOR				
6.1	Drive motor rating S2 60 min	[kW]	1.0	1.0 1.5
6.2	Lift motor rating at S3 15%	[kW]	2.2 ²⁾	2.2 ²⁾ 2.2 ²⁾
6.4	Battery voltage/nominal capacity K _s	[V/Ah]	24/150 *)	24/225 *) 24/225 *)
6.5	Battery weight	[kg]	163 *)	219 *) 219 *)
OTHERS				
8.1	Type of drive control		CESAB Drive Control	CESAB Drive Control CESAB Drive Control

¹⁾ Measured according to company standard

²⁾ S3 6%

³⁾ Further alternatives are available and will produce other values.

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

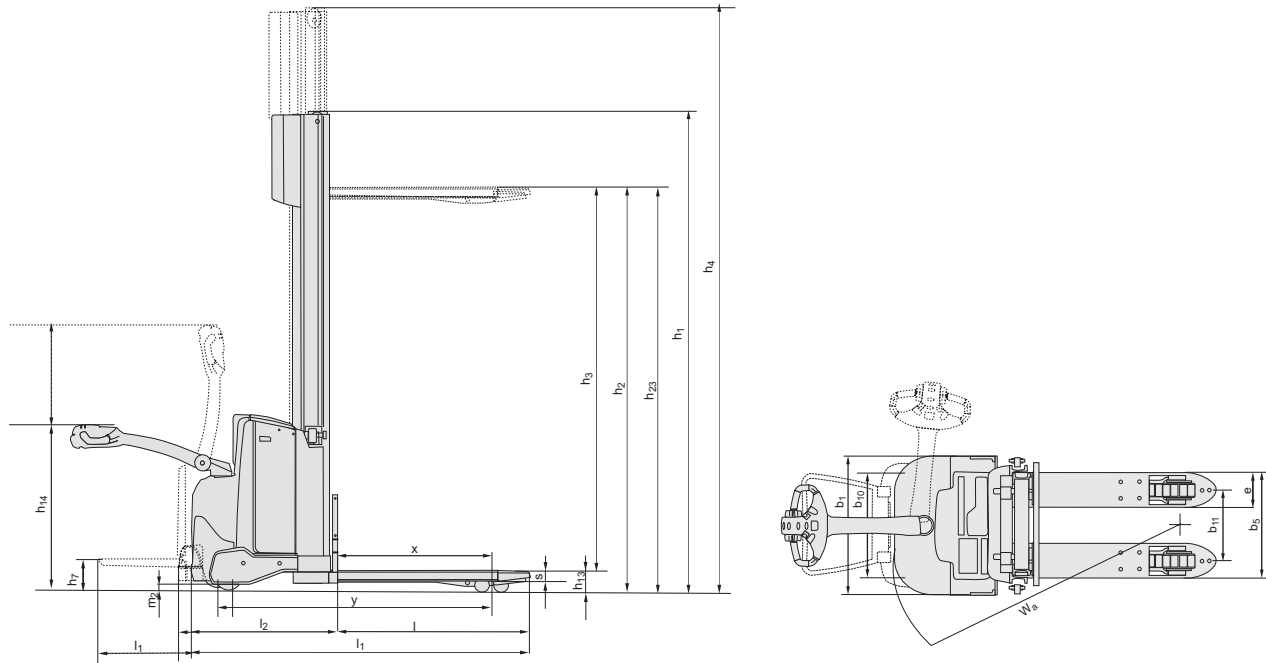
h₂₃ = 3300 mm Duplex Tele mast (S210), h₂₃ = 3300 mm Duplex Tele open view mast (S212), h₂₃ = 3255 mm Duplex Tele open view mast (S214)

Truck performance and dimensions are nominal and subject to tolerances.

Products and specifications are subject to change without notice.



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	without platform l ₁ [mm]	1833	1890	1908	1908
		platform up/down l ₁ [mm]	1918/2308	1975/2365	1993/2383	1993/2383
4.20	Length to face of forks	without platform l ₂ [mm]	683	740	758	758
		platform up/down l ₂ [mm]	768/1158	825/1215	843/1233	843/1233
4.33	Aisle width for pallets 1000x1200 crossways	without platform A _{st} [mm]	2231	2288	2297	2297
		platform up/down A _{st} [mm]	2316/2716	2373/2773	2382/2782	2382/2782
4.34	Aisle width for pallets 800x1200 lengthways	without platform A _{st} [mm]	2214	2271	2286	2286
		platform up/down A _{st} [mm]	2299/2699	2356/2756	2371/2771	2371/2771
4.35	Turning radius	without platform W _a [mm]	1340	1397	1397	1397
		platform up/down W _a [mm]	1425/1825	1482/1882	1482/1882	1482/1882
6.4	Battery voltage, nominal capacity K ₅	[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 ₂₃	Lift height (h ₁₃ +h ₃)	[mm]	1400	1700	2700	2900	3300	2700	2900	3300
h ₃	Lift	[mm]	1310	1610	2610	2810	3210	2610	2810	3210
h ₁	Height, mast lowered	[mm]	1825	2125	1851	1951	2151	1835	1935	2135
h ₂	Free lift, ground to top of forks	[mm]	1400	1700	166	166	166	166	166	166
h ₄	Height, mast extended	[mm]	1836	2136	3140	3340	3740	3140	3340	3740

S212		Simplex		Duplex Tele		Duplex Tele Open View		Duplex Freelif		Triplex Freelif	
h ₂₃	Lift height (h ₁₃ +h ₃)	[mm]	1400	1700	2700	2900	3300	2700	2900	3300	3700
h ₃	Lift	[mm]	1310	1610	2610	2810	3210	2610	2810	3210	3610
h ₁	Height, mast lowered	[mm]	1825	2125	1840	1940	2140	1835	1935	2135	2335
h ₂	Free lift, ground to top of forks	[mm]	1400	1700	166	166	166	1420	1520	1720	1920
h ₄	Height, mast extended	[mm]	1836	2136	3140	3340	3740	3161	3361	3761	4161

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

CESAB S200 1.2 - 1.4 tonne

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	589
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 ₁₀ [mm]	550	550	
3.7	Track width, rear	b ₁₁ [mm]	390	390	1000
DIMENSIONS					
4.2	Height, mast lowered	h ₁ [mm]	2135 *)	2160 *)	1832 *)
4.3	Free lift	h ₂ [mm]	166 *)	166 *)	1380 *)
4.4	Lift	h ₃ [mm]	3210 *)	3165 *)	2655 *)
	Lift height	h ₂₃ [mm]	3300 *)	3255 *)	2655 *)
4.5	Height, mast extended	h ₄ [mm]	3740 *)	3725 *)	3226 *)
4.6	Initial lift	h ₅ [mm]	120	120	
4.8	Stand height (optional platform)	h ₇ [mm]	150	150	150
4.9	Height of tiller in drive position, min./max.	h ₁₄ [mm]	865/1235	865/1235	865/1235
4.10	Height of support arm	h ₁₀ [mm]			100
4.15	Height, fork lowered	h ₁₃ [mm]	90	90	50
4.19	Overall length	l ₁ [mm]	1903	1911	1934
4.20	Length to face of forks	l ₂ [mm]	753	761	784
4.21	Overall width	b ₁ [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 ₃ [mm]	674	674	840
4.25	Width over forks	b ₅ [mm]	570 *)	570 *)	252—800
4.26	Distance between support arms	b ₄ [mm]			900 *)
4.31	Ground clearance, with load, below mast	m ₁ [mm]	22	22	32
4.32	Ground clearance, centre of wheelbase	m ₂ [mm]	22	22	40
4.33	Aisle width for pallets 1000x1200 crossways	A _{st} [mm]	2293	2297	2292
4.34	Aisle width for pallets 800x1200 lengthways	A _{st} [mm]	2281	2288	2300
4.35	Turning radius	W _a [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 ¹⁾	8/12 ¹⁾	8/10 ¹⁾
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 ²⁾	2.2 ²⁾	2.2 ²⁾
6.4	Battery voltage/nominal capacity K _s	[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

¹⁾ Measured according to company standard

²⁾ S3 6%

³⁾ Further alternatives are available and will produce other values.

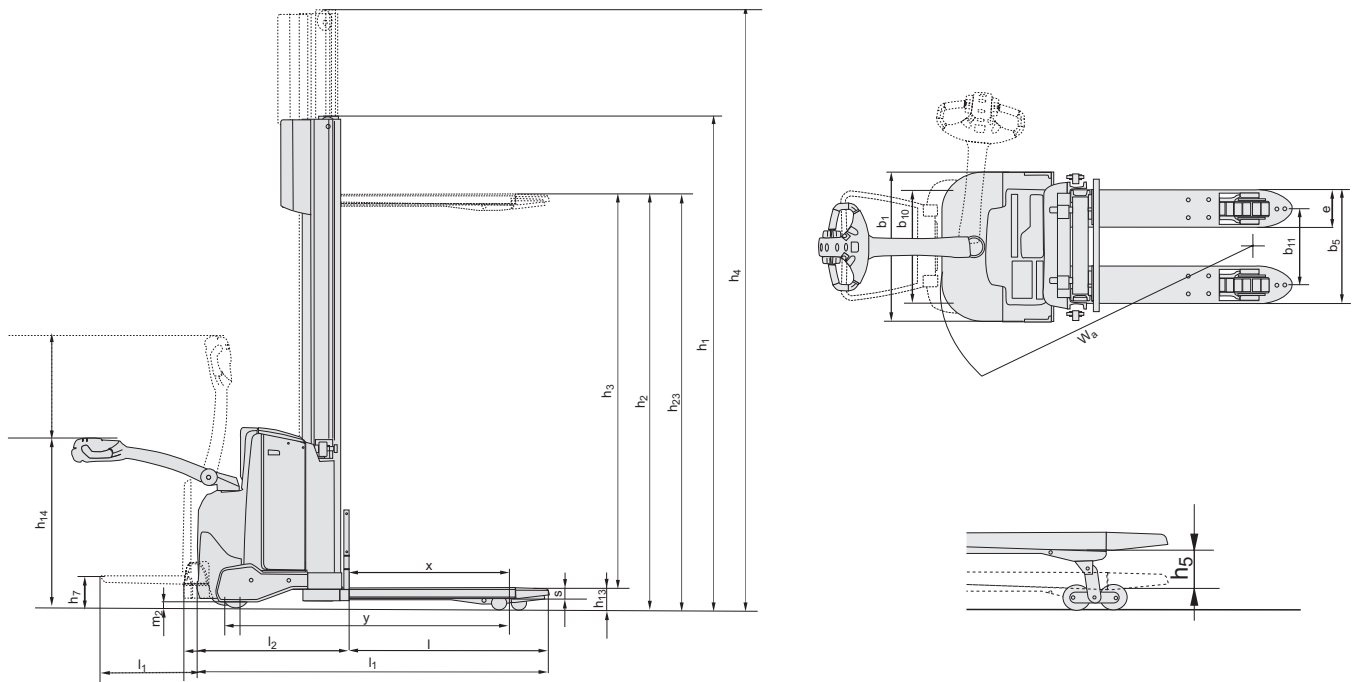
Data is based on standard configurations: medium battery compartment, h₂₃ = 3300 mm (S212L) and 3255 mm (S214L) Duplex Tele Open View mast and h₂₃ = 2655 mm Duplex Freelif mast (S212S).

Truck performance and dimensions are nominal and subject to tolerances.

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S212L - S214L Dimensional Drawings



Battery compartments

			S212L	S214L
Battery compartment			Medium	Medium
1.9	Wheelbase	y [mm]	1302	1302
4.19	Overall length	without platform l ₁ [mm]	1903	1911
		platform up/down l ₁ [mm]	1988/2378	1996/2386
4.20	Length to face of forks	without platform l ₂ [mm]	753	761
		platform up/down l ₂ [mm]	838/1228	846/1236
4.33	Aisle width for pallets 1000x1200 crossways	without platform A _{st} [mm]	2293	2297
		platform up/down A _{st} [mm]	2378/2778	2382/2782
4.34	Aisle width for pallets 800x1200 lengthways	without platform A _{st} [mm]	2281	2288
		platform up/down A _{st} [mm]	2366/2766	2373/2773
4.35	Turning radius	without platform W _a [mm]	1393	1393
		platform up/down W _a [mm]	1478/1878	1478/1878
6.4	Battery voltage, nominal capacity K ₅	[V/Ah]	24/225	24/225
6.5	Battery weight, min.-max.	[kg]	189-250	189-250

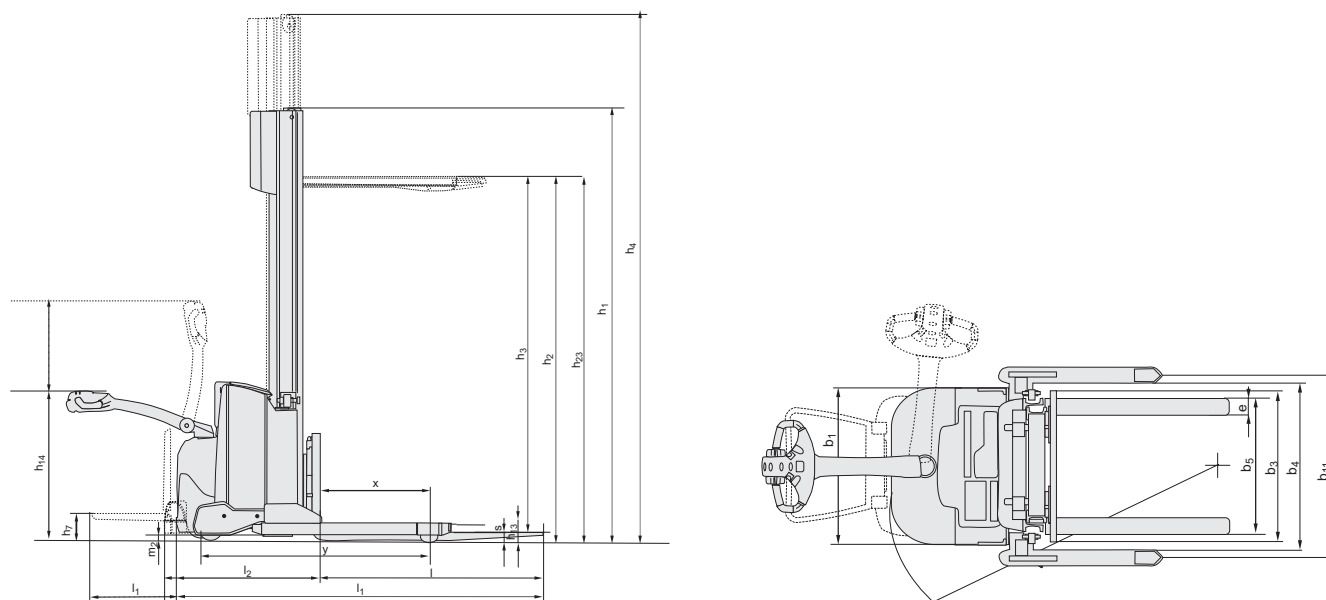
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Mast Specifications

S212L		Simplex	Duplex Tele				Duplex Tele Open View				Duplex Freelif				Triplex Freelif			
h ₂₃	Lift height (h ₁₃ +h ₃)	[mm]	1400	1700	2700	2900	3300	3700	4150	2700	2900	3300	3700	4150	3300	3700	4150	4500
h ₃	Lift	[mm]	1310	1610	2610	2810	3210	3610	4060	2610	2810	3210	3610	4060	3210	3610	4060	4410
h ₁	Height, mast lowered	[mm]	1825	2125	1840	1940	2140	2340	2565	1835	1935	2135	2335	2560	1695	1829	1979	2095
h ₂	Free lift, ground to top of forks	[mm]	1400	1700	166	166	166	166	166	166	166	166	166	1420	1520	1720	1920	2144
h ₄	Height, mast extended	[mm]	1836	2136	3140	3340	3740	4140	4590	3140	3340	3740	4140	4590	3161	3361	3761	4161

S214L			Duplex Tele Open View				Duplex Freelif				Triplex Freelif			
h ₂₃	Lift height (h ₁₃ +h ₃)	[mm]	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655
h ₃	Lift	[mm]	2565	2765	3165	3565	4015	2565	2765	3165	3565	4015	3165	3565
h ₁	Height, mast lowered	[mm]	1860	1960	2160	2360	2585	1835	1935	2135	2335	2560	1695	1829
h ₂	Free lift, ground to top of forks	[mm]	166	166	166	166	166	1374	1474	1674	1874	2099	1224	1358
h ₄	Height, mast extended	[mm]	3125	3325	3725	4125	4575	3141	3341	3741	4141	4591	3747	4149

S212S Dimensional Drawings



Battery compartments

				S212S
Battery compartment				Med.
1.9	Wheelbase	y	[mm]	1203
4.19	Overall length	without platform	l_1 [mm]	1934
		platform up/down	l_1 [mm]	2019/2409
4.20	Length to face of forks	without platform	l_2 [mm]	784
		platform up/down	l_2 [mm]	869/1259
4.33	Aisle width for pallets 1000x1200 crossways	without platform	A_{st} [mm]	2292
		platform up/down	A_{st} [mm]	2377/2777
4.34	Aisle width for pallets 800x1200 lengthways	without platform	A_{st} [mm]	2300
		platform up/down	A_{st} [mm]	2385/2785
4.35	Turning radius	without platform	W_a [mm]	1353
		platform up/down	W_a [mm]	1438/1838
6.4	Battery voltage, nominal capacity K_g		[V/Ah]	24/225
6.5	Battery weight, min.-max.		kg	189-250

Mast Specifications

S212S		Simplex		Duplex Tele				Duplex Tele Open View				Duplex Freelift				Triplex Freelift								
h_{23}	Lift height ($h_{13}+h_3$)	[mm]	1355	1655	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h_3	Lift	[mm]	1305	1605	2605	2805	3205	3605	4005	2605	2805	3205	3605	4005	2605	2805	3205	3605	4005	3205	3605	4005	4405	4705
h_1	Height, mast lowered	[mm]	1822	2122	1837	1937	2137	2337	2562	1832	1932	2132	2332	2557	1832	1932	2132	2332	2557	1692	1826	1976	2092	2192
h_2	Free lift, ground to top of forks	[mm]	1355	1655	126	126	126	126	126	126	126	126	126	126	1380	1480	1680	1880	2104	1230	1364	1514	1630	1730
h_4	Height, mast extended	[mm]	1901	2201	3205	3405	3805	4205	4655	3205	3405	3805	4205	4655	3226	3426	3826	4226	4676	3822	4224	4674	5022	5322

