

CESAB R200 1.4 - 1.6 tonne

Reach Trucks



Truck Specifications



CESAB R214 - R216 Truck Specifications

CHARACTERISTICS				
1.1	Manufacturer		CESAB	CESAB
1.2	Model		R214	R216
1.3	Drive		Electric	Electric
1.4	Operator type		Seated	Seated
1.5	Load capacity/rated load	Q [kg]	1400	1600
1.6	Load centre	c [mm]	600	600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	315	207
1.9	Wheelbase	y [mm]	1434	1434
WEIGHT				
2.1	Service weight excluding battery	[kg]	2040	2575
2.2	Max. axle load, without load, drive/support arm wheel	[kg]	1690/1640	2003/2118
2.3	Max. axle load, with load, drive/support arm wheel	[kg]	1300/3930	1580/4685
WHEELS				
3.1	Drive/support arm wheel		Polyurethane	Polyurethane
3.2	Wheel size, front	[mm]	Ø310	Ø310
3.3	Wheel size, rear	[mm]	Ø285	Ø285
3.5	Wheels, number front/rear (x=driven wheels)		1x/2	1x/2
3.7	Track width, rear	b ₁₁ [mm]	968	968
DIMENSIONS				
4.1	Tilt of fork, forward/backward	α / β [deg]	4°/-2° *	4°/-2°*
4.2	Height, mast lowered	h ₁ [mm]	2390*	3564*
4.3	Free lift	h ₂ [mm]	1749*	2923*
4.4	Lift	h ₃ [mm]	5360*	8460*
	Lift height	h ₂₃ [mm]	5400*	8500*
4.5	Height, mast extended	h ₄ [mm]	6040*	9140*
4.7	Height of overhead guard (cab)	h ₆ [mm]	2166	2166
4.8	Seat height	h ₇ [mm]	1060	1060
4.10	Height of support arms	h ₈ [mm]	262	262
4.15	Height of lowered forks	h ₁₃ [mm]	40	40
4.19	Overall length	l ₁ [mm]	2484	2592
4.20	Length to face of forks	l ₂ [mm]	1334	1442
4.21	Overall width	b ₁ [mm]	1120	1120
4.22	Fork dimensions	s/e/l [mm]	40/100/1150*	40/100/1150*
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A
4.25	Width over forks	b ₅ [mm]	250-600*	250-600
4.26	Distance between support arms	b ₄ [mm]	880	880
4.28	Reach distance	l ₄ [mm]	576	495
4.31	Ground clearance, with load, below mast 1)	m ₁ [mm]	70	70
4.32	Ground clearance, centre of wheelbase 1)	m ₂ [mm]	70	70
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} [mm]	2760	2843
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st} [mm]	2820	2920
4.35	Turning radius	W ₈ [mm]	1649	1649
4.37	Length across support arms	l ₇ [mm]	1808	1808
PERFORMANCE				
5.1	Travel speed, with/without load	[km/h]	10.0/11.2	10.0/11.2
5.2	Lift speed, with/without load	[m/s]	0.27/0.42	0.25/0.42
5.3	Lowering speed, with/without load	[m/s]	0.50/0.44	0.50/0.44
5.4	Reach speed, with/without load	[m/s]	0.15/0.16	0.15/0.16
5.8	Max. gradeability, with/without load 2)	[%]	10/15	10/15
5.10	Service brake		Electric	Electric
ELECTRIC MOTOR				
6.1	Drive motor rating S2 60 min	[kW]	7.5	7.5
6.2	Lift motor rating S3 15%	[kW]	7.4	7.4
6.4	Battery voltage, nominal capacity K5	[V/Ah]	48/465*	48/620*
6.5	Battery weight, min.	[kg]	610*	780*
6.6	Energy consumption acc to VDI cycle 3)	[kWh/h]		
OTHER				
8.1	Type of drive control		Variable AC	Variable AC
8.4	Sound level at the driver's ear according to EN 12 053	[dB(A)]	<70	<70

1) 15 mm under studs

2) Measured according to company standard

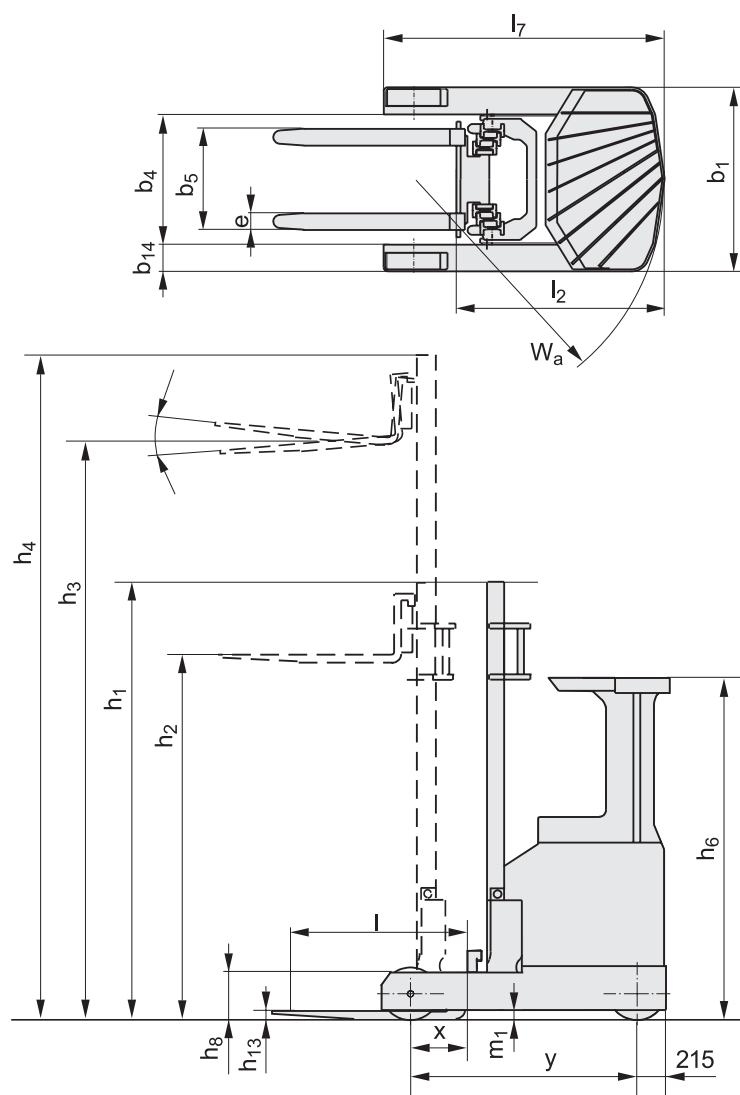
3) Contact your supplier for information

*) Further alternatives are available and will produce other values

Note: All data are based on table configuration. R214: h23 = 5400 mm with sideshift and 340 mm battery compartment. R216: h23 = 8500 mm with sideshift and 430 mm battery compartment. Other configurations may give other values. Truck performance and dimensions are nominal and subject to tolerances. Products and specifications are subject to change without notice.



CESAB R214 - R216 Dimensional Drawings



Battery compartments

DIMENSIONS				R214			R216		
R200 series									
Battery compartment depth		[mm]		275	340	430	275	340	430
1.8 Load distance, centre of support arm wheel to face of forks *	x	[mm]		380	315	225	362	297	207
4.20 Length to face of forks *	l_2	[mm]		1269	1334	1424	1287	1352	1442
4.33 Aisle width for pallets 1000x1200 crossways *	A_{st}	[mm]		2712	2760	2829	2725	2773	2843
4.34 Aisle width for pallets 800x1200 lengthways *	A_{st}	[mm]		2761	2820	2903	2778	2837	2920
6.4 Battery voltage, nominal capacity K5		[V/Ah]		48/310	48/465	48/620	48/310	48/465	48/620
6.5 Battery weight, min.		[kg]		510	610	780	510	610	780

* = including sideshift

Masts

DIMENSIONS													
R200 series				Triplex Freelift									
Lift height		h_{23}	[mm]	4400	4800	5400	5700	6300	6750	7000	7500	8000	8500
Lift		h_3	[mm]	4360	4760	5360	5660	6260	6710	6960	7460	7960	8460
R214	Height, mast lowered	h_1	[mm]	2057	2190	2390	2490	2690	—	—	—	—	—
	Free lift	h_2	[mm]	1416	1549	1749	1849	2049	—	—	—	—	—
	Heigh, mast extended	h_4	[mm]	5040	5440	6040	6340	6940	—	—	—	—	—
R216	Height, mast lowered	h_1	[mm]	2057	2190	2390	2490	2732	2981	3064	3231	3398	3564
	Free lift	h_2	[mm]	1416	1549	1749	1849	2091	2340	2423	2590	2757	2923
	Heigh. mast extended	h_4	[mm]	5040	5440	6040	6340	6940	7390	7640	8140	8640	9140

* = including sideshift

