

CESAB R300 1.4 - 2.5 tonne

Reach Trucks



Truck Specifications



CESAB R314 - R316 Truck Specifications

CHARACTERISTICS				
1.1	Manufacturer		CESAB	CESAB
1.2	Model		R314	R316
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]	310*	394*
1.9	Wheelbase	y [mm]	1311	1395
WEIGHT				
2.1	Service weight including battery	[kg]	3390	3398
2.3	Axle load, mast retracted without load, drive/support arm wheel	[kg]	2067/1323	2123/1274
2.4	Axle load, mast extended with load, drive/support arm wheel	[kg]	667/4123	607/4390
2.5	Axle load, mast retracted with load, drive/support arm wheel	[kg]	1758/3032	1887/3110
WHEELS				
3.1	Drive/support arm wheel	[mm]	Vulkollan	Vulkollan
3.2	Wheel size, front	[mm]	350x140	350x140
3.3	Wheel size, rear	[mm]	300x106	300x106
3.5	Wheels, number front/rear (x=driven wheels)		1x/2	1x/2
3.7	Track width, rear	b ₁₁ [mm]	1134	1134
DIMENSIONS				
4.1	Tilt of fork, forward/backward	α/β [deg]	-2°/4**	-2°/4**
4.2	Height, mast lowered	h ₁ [mm]	2887*	2887*
4.3	Free lift	h ₂ [mm]	2403*	2403*
4.4	Lift	h ₃ [mm]	6945*	6945*
	Lift height	h ₂₃ [mm]	7000*	7000*
4.5	Height, mast extended	h ₄ [mm]	7540*	7540*
4.7	Height of overhead guard (cab)	h ₆ [mm]	2198	2198
4.8	Seat height	h ₇ [mm]	1136	1136
4.10	Height of support arms	h ₈ [mm]	268	268
4.15	Height of lowered forks	h ₁₃ [mm]	55	55
4.19	Overall length	l ₁ [mm]	2413	2413
4.20	Length to face of forks	l ₂ [mm]	1263	1263
4.21	Overall width	b ₁ [mm]	1270	1270
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
4.24	Fork carriage width	b ₃ [mm]	819	819
4.25	Width over forks	b ₅ [mm]	252-698	252-698
4.26	Distance between support arms	b ₄ [mm]	900*	900*
4.28	Reach distance	l ₄ [mm]	506*	590*
4.31	Ground clearance, with load, below mast	m ₁ [mm]	68	68
4.32	Ground clearance, centre of wheelbase ²⁾	m ₂ [mm]	74	74
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} [mm]	2687	2710
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st} [mm]	2749	2757
4.35	Turning radius	W _a [mm]	1573	1657
4.37	Length across support arms	l ₇ [mm]	1744	1828
PERFORMANCE DATA				
5.1	Travel speed, with/without load	[km/h]	10,3/11 ¹⁾	10/11 ¹⁾
5.2	Lift speed, with/without load	[m/s]	0,38/0,68	0,36/0,68
	Lift speed, with/without load (High speed version)	[m/s]	0,50/0,68	0,50/0,68
5.3	Lowering speed, with/without load	[m/s]	0,55/0,59	0,55/0,59
5.4	Reach speed, with/without load	[m/s]	0,20/0,28	0,20/0,28
5.8	Max. gradeability, with/without load ³⁾	[%]	10/15	10/15
5.9	Acceleration time with/without load (over 10 m)	[s]	5,4/4,9	5,5/4,9
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]	11	11
	Lift motor rating S3 15% (High speed version)	[kW]	15	15
6.4	Battery voltage, nominal capacity K5	[V/Ah]	48/465*	48/465*
6.5	Battery weight	[kg]	685*	685*
6.6	Energy consumption acc to VDI cycle ³⁾	[kWh/h]	3.4	3.7
6.7	Turnover output	[t/h]	56	66
6.8	Energy consumption at turnover output	[kWh/h]	3.2	3.3
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)]	66	66

1) 11/11 km/h with support wheel brakes 2) 15 mm under studs 3) Measured according to company standard *) Other alternatives are available
All data are based on table configuration. 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.



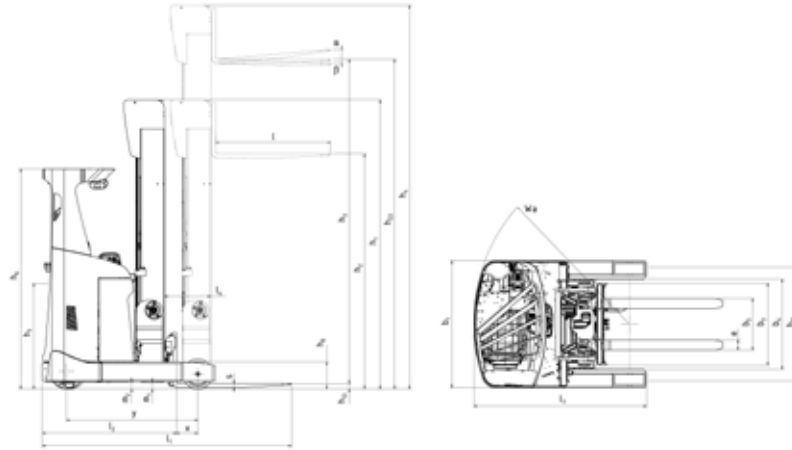
CESAB R318 - R325 Truck Specifications

CHARACTERISTICS					
1.1	Manufacturer		CESAB	CESAB	CESAB
1.2	Model		R318	R320	R325
1.3	Drive		Electric	Electric	Electric
1.4	Operator type		Seated	Seated	Seated
1.5	Load capacity/rated load	Q [kg]	1800	2000	2500
1.6	Load centre	c [mm]	600	600	600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	373*	433*	388*
1.9	Wheelbase	y [mm]	1455	1515	1575
WEIGHT					
2.1	Service weight including battery	[kg]	3908	4091	4614
2.3	Axle load, mast retracted without load, drive/support arm wheel	[kg]	2357/1551	2510/1581	2702/1912
2.4	Axle load, mast extended with load, drive/support arm wheel	[kg]	717/4991	764/5327	721/6392
2.5	Axle load, mast retracted with load, drive/support arm wheel	[kg]	2054/3655	2266/3825	2339/4775
WHEELS					
3.1	Drive/support arm wheel	[mm]	Vulkollan	Vulkollan	Vulkollan
3.2	Wheel size, front	[mm]	400x160	400x160	400x160
3.3	Wheel size, rear	[mm]	350x106	350x106	350x106
3.5	Wheels, number front/rear (x=driven wheels)		1x/2	1x/2	1x/2
3.7	Track width, rear	b ₁₁ [mm]	1134	1134	1134
DIMENSIONS					
4.1	Tilt of fork, forward/backward	α/β [deg]	-2°/4°*	-2°/4°*	-2°/4°*
4.2	Height, mast lowered	h ₁ [mm]	2966*	2966*	2936*
4.3	Free lift	h ₂ [mm]	2459*	2459*	2449*
4.4	Lift	h ₃ [mm]	6945*	6945*	6945*
	Lift height	h ₂₃ [mm]	7000*	7000*	7000*
4.5	Height, mast extended	h ₄ [mm]	7548*	7548*	7545*
4.7	Height of overhead guard (cab)	h ₆ [mm]	2261	2261	2261
4.8	Seat height	h ₇ [mm]	1198	1198	1198
4.10	Height of support arms	h ₈ [mm]	330	330	330
4.15	Height of lowered forks	h ₁₃ [mm]	55	55	55
4.19	Overall length	l ₁ [mm]	2494	2494	2599
4.20	Length to face of forks	l ₂ [mm]	1344	1344	1449
4.21	Overall width	b ₁ [mm]	1270	1270	1270
4.22	Fork dimensions	s/e/l [mm]	40/120/1150*	40/120/1150*	45/120/1150*
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
4.24	Fork carriage width	b ₃ [mm]	819	819	819
4.25	Width over forks	b ₅ [mm]	272-718	272-718	277-723
4.26	Distance between support arms	b ₄ [mm]	900*	900*	900*
4.28	Reach distance	l ₄ [mm]	594*	654*	609*
4.31	Ground clearance, with load, below mast	m ₁ [mm]	68	68	68
4.32	Ground clearance, centre of wheelbase ¹⁾	m ₂ [mm]	74	74	74
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} [mm]	2785	2802	2894
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{sl} [mm]	2836	2842	2942
4.35	Turning radius	W _a [mm]	1717	1777	1837
4.37	Length across support arms	l ₇ [mm]	1913	1973	2033
PERFORMANCE DATA					
5.1	Travel speed, with/without load	[km/h]	11/11	11/11	11/11
5.2	Lift speed, with/without load	[m/s]
	Lift speed, with/without load (High speed version)	[m/s]	0,46/0,86	0,43/0,68	0,37/0,64
5.3	Lowering speed, with/without load	[m/s]	0,55/0,60	0,55/0,60	0,53/0,58
5.4	Reach speed, with/without load	[m/s]	0,20/0,28	0,20/0,28	0,20/0,28
5.8	Max. gradeability, with/without load ²⁾	[%]	10/15	10/15	7/12
5.9	Acceleration time with/without load (over 10 m)	[s]	4,9/4,4	5,0/4,5	5,4/4,7
5.10	Service brake		Electric	Electric	Electric
ELECTRIC MOTOR					
6.1	Drive motor rating S2 60 min	[kW]	9	9	9
6.2	Lift motor rating S3 15%	[kW]	---	---	---
	Lift motor rating S3 15% (High speed version)	[kW]	15	15	15
6.4	Battery voltage, nominal capacity K5	[V/Ah]	48/620*	48/620*	48/775*
6.5	Battery weight	[kg]	875*	875*	1055*
6.6	Energy consumption acc to VDI cycle	[kWh/h]	3.9	4.7	5.2
6.7	Turnover output	[t/h]	76	84	105
6.8	Energy consumption at turnover output	[kWh/h]	3.7	4.2	4.7
OTHER					
8.1	Type of drive control		Variable AC	Variable AC	Variable AC
8.4	Sound level at the driver's ear according to EN 12 053	[dB(A)]	66	66	66

1) 15 mm under studs 2) Measured according to company standard *) Other alternatives are available
All data are based on table configuration. 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 R314 - R325 Dimensional Drawings



Battery compartments

DIMENSIONS			R314			R316			
Battery compartment depth	[mm]		275	347	419	275	347	419	491
1.8 Load distance, centre of support arm wheel to face of forks	x [mm]		310 ¹⁾	238 ¹⁾	157	394 ¹⁾	322 ¹⁾	250 ¹⁾	169
4.20 Length to face of forks	l_2 [mm]		1263 ²⁾	1335 ²⁾	1416	1263 ²⁾	1335 ²⁾	1407 ²⁾	1488
4.33 Aisle width for pallets 1000x1200 crossways	A_{st} [mm]		2687	2743	2808	2710	2762	2817	2882
4.34 Aisle width for pallets 800x1200 lengthways	A_{st} [mm]		2749	2815	2890	2757	2822	2888	2963
4.35 Turning Radius	W_s [mm]		1573	1573	1573	1657	1657	1657	1657
6.4 Battery voltage, nominal capacity K5	[V/Ah]		48/465	48/620	48/775	48/465	48/620	48/775	48/930
6.5 Battery weight, min.—max.	[kg]		685-825	875-1030	1055-1235	685-825	875-1030	1055-1235	1025-1440

¹⁾ With battery in sleigh - 9 mm

²⁾ With battery in sleigh + 9 mm

DIMENSIONS	MAST TYPE	CESAB R318			CESAB R320						CESAB R325									
		TRIPLEX FULL FREELIFT - B	TRIPLEX FULL FREELIFT - C		TRIPLEX FULL FREELIFT - B	TRIPLEX FULL FREELIFT - C	TRIPLEX FULL FREELIFT - D	TRIPLEX FFL - C	TRIPLEX FFL - D											
Battery compartment depth	[mm]	347	419	491	347	419	491	347	419	491	347	419	491	419	491					
1.8 Load distance, centre of support arm wheel to face of forks	x [mm]	373	301	229	340	268	196	433	361	289	400	328	256	345	273	201	388	316	333	261
4.20 Length to face of forks	l_2 [mm]	1344	1416	1488	1377	1449	1521	1344	1416	1488	1377	1449	1521	1432	1504	1576	1449	1521	1504	1576
4.33 Aisle width for pallets 1000x1200 crossways	A_{st} [mm]	2785	2838	2894	2809	2863	2920	2802	2853	2907	2825	2878	2933	2865	2920	2976	2894	2947	2934	2989
4.34 Aisle width for pallets 800x1200 lengthways	A_{st} [mm]	2836	2901	2967	2865	2931	2998	2842	2906	2972	2871	2936	3002	2921	2987	3053	2942	3007	2992	3058
4.35 Turning Radius	W_s [mm]	1717	1717	1717	1717	1717	1717	1777	1777	1777	1777	1777	1777	1777	1777	1777	1837	1837	1837	1837
6.4 Battery voltage, nominal capacity K5	[V/Ah]	620	775	930	620	775	930	620	775	930	620	775	930	620	775	930	775	930	775	930
6.5 Battery weight, min.—max.	[kg]	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	1055-1235	1250-1440	1055-1235	1250-1440

Mast Dimensions

CESAB R314/316		TRIPLEX FULL FREELIFT A														
Lift height	h_3 [mm]	4900	5400	5700	6300	7000	7250	7500	8000	8500	9000	9500	10000	10250	10500	11000
4.4 Lift	h_{23} [mm]	4845	5345	5645	6245	6945	7195	7445	7945	8445	8945	9445	9945	10195	10445	10945
4.2 Height, mast lowered	h_1 [mm]	2187	2354	2454	2654	2887	2971	3054	3221	3387	3554	3721	3887	3971	4054	4221
4.3 Free lift	h_2 [mm]	1703	1871	1971	2171	2403	2487	2571	2737	2903	3071	3237	3403	3487	3571	3737
4.5 Height, mast extended	h_4 [mm]	5440	5941	6241	6841	7540	7792	8041	8542	9040	9541	10042	10540	10791	11041	11542

CESAB R318		TRIPLEX FULL FREELIFT B										TRIPLEX FULL FREELIFT C						
Lift height	h_3 [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000
4.4 Lift	h_{23} [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945
4.2 Height, mast lowered	h_1 [mm]	2249	2432	2532	2732	2966	3132	3299	3466	3632	3799	3966	4132	4299	4463	4630	4797	4963
4.3 Free lift	h_2 [mm]	1741	1925	2025	2225	2459	2625	2791	2959	3125	3291	3459	3625	3791	3949	4117	4283	4449
4.5 Height, mast extended	h_4 [mm]	5397	5946	6246	6846	7548	8046	8547	9048	9546	10047	10548	11046	11547	12045	12546	13047	13545

CESAB R320		TRIPLEX FULL FREELIFT B										TRIPLEX FULL FREELIFT C			TRIPLEX FULL FREELIFT D			
Lift height	h_3 [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000
4.4 Lift	h_{23} [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945
4.2 Height, mast lowered	h_1 [mm]	2249	2432	2532	2732	2966	3132	3299	3466	3632	3799	3963	4130	4297	4463	4630	4797	4963
4.3 Free lift	h_2 [mm]	1741	1925	2025	2225	2459	2625	2791	2959	3125	3291	3449	3617	3783	3949	4117	4283	4449
4.5 Height, mast extended	h_4 [mm]	5397	5946	6246	6846	7548	8046	8547	9048	9546	10047	10545	11046	11547	12045	12546	13047	13545

CESAB R325		TRIPLEX FULL FREELIFT C										TRIPLEX FULL FREELIFT D							
Lift height	h_3 [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000	
4.4 Lift	h_{23} [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945	
4.2 Height, mast lowered	h_1 [mm]	2247	2430	2530	2730	2936	3130	3297	3463	3630	3797	3963	4130	4297	4463	4630	4797	4963	
4.3 Free lift	h_2 [mm]	1733	1917	2017	2217	2449	2617	2783	2949	3117	3283	3449	3617	3783	3949	4117	4283	4449	
4.5 Height, mast extended	h_4 [mm]	5397	5946	6246	6846	7545	8046	8547	9045	9546	10047	10545	11046	11547	12045	12546	13047	13545	

CESAB R314 - R316 Truck Specification with Cold Store Cabin

CHARACTERISTICS				
1.1	Manufacturer		CESAB	CESAB
1.2	Model		R314	R316
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]	238*	322*
1.9	Wheelbase	y [mm]	1311	1395
WEIGHT				
2.1	Service weight including battery	[kg]	3760	3767
2.3	Axle load, mast retracted without load, drive/support arm wheel	[kg]	2280/1471	2353/1414
2.4	Axle load, mast extended with load, drive/support arm wheel	[kg]	967/4193	911/4456
2.5	Axle load, mast retracted with load, drive/support arm wheel	[kg]	1902/3257	2035/3333
WHEELS				
3.1	Drive/support arm wheel	[mm]	Vulkollan	Vulkollan
3.2	Wheel size, front	[mm]	350x140	350x140
3.3	Wheel size, rear	[mm]	300x106	300x106
3.5	Wheels, number front/rear (x=driven wheels)		1x/2	1x/2
3.7	Track width, rear	b ₁₁ [mm]	1134	1134
DIMENSIONS				
4.1	Tilt of fork, forward/backward	α/β [deg]	-2°/4**	-2°/4**
4.2	Height, mast lowered	h ₁ [mm]	2887*	2887*
4.3	Free lift	h ₂ [mm]	2403*	2403*
4.4	Lift	h ₃ [mm]	6945*	6945*
	Lift height	h ₂₃ [mm]	7000*	7000*
4.5	Height, mast extended	h ₄ [mm]	7540*	7540*
4.7	Height of overhead guard (cab)	h ₆ [mm]	2200	2200
4.8	Seat height	h ₇ [mm]	1136	1136
4.10	Height of support arms	h ₈ [mm]	268	268
4.15	Height of lowered forks	h ₁₃ [mm]	55	55
4.19	Overall length	l ₁ [mm]	2548	2548
4.20	Length to face of forks	l ₂ [mm]	1398	1398
4.21	Overall width	b ₁ [mm]	1270	1270
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
4.24	Fork carriage width	b ₃ [mm]	819	819
4.25	Width over forks	b ₅ [mm]	252-698	252-698
4.26	Distance between support arms	b ₄ [mm]	900*	900*
4.28	Reach distance	l ₄ [mm]	434*	518*
4.31	Ground clearance, with load, below mast	m ₁ [mm]	68	68
4.32	Ground clearance, centre of wheelbase ²⁾	m ₂ [mm]	74	74
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} [mm]	2802	2825
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st} [mm]	2877	2885
4.35	Turning radius	W _a [mm]	1620	1720
4.37	Length across support arms	l ₇ [mm]	1807	1891
PERFORMANCE DATA				
5.1	Travel speed, with/without load	[km/h]	10,3/11 ¹⁾	10/11 ¹⁾
5.2	Lift speed, with/without load	[m/s]	0,38/0,68	0,36/0,68
	Lift speed, with/without load (High speed version)	[m/s]	- - -	0,50/0,68
5.3	Lowering speed, with/without load	[m/s]	0,59/0,55	0,59/0,55
5.4	Reach speed, with/without load	[m/s]	0,20/0,28	0,20/0,28
5.8	Max. gradeability, with/without load ³⁾	[%]	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]	11	11
	Lift motor rating S3 15% (High speed version)	[kW]	15	15
6.4	Battery voltage, nominal capacity K5	[V/Ah]	48/620*	48/620*
6.5	Battery weight	[kg]	875*	875*
OTHER				
8.1	Type of drive control		Variable AC	Variable AC

1) 11/11 km/h with support wheel brakes 2) 15 mm under studs 3) Measured according to company standard *) Other alternatives are available

All data are based on table configuration. 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 R318 - R325 Truck Specifications with Cold store Cabin

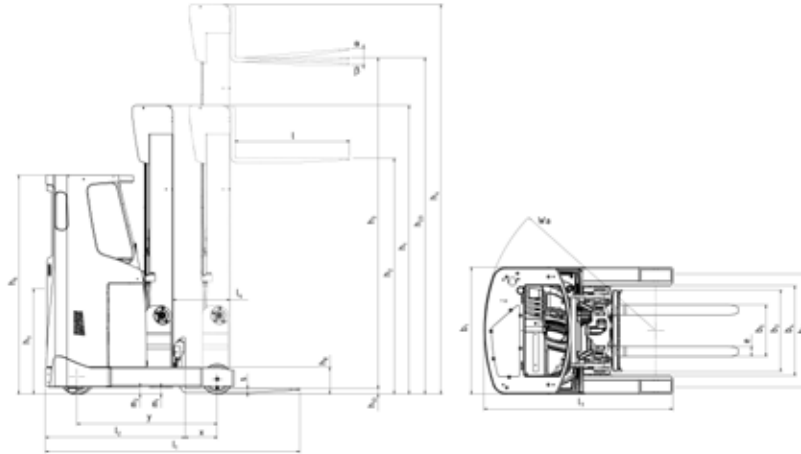
CHARACTERISTICS					
1.1	Manufacturer		CESAB	CESAB	CESAB
1.2	Model		R318	R320	R325
1.3	Drive		Electric	Electric	Electric
1.4	Operator type		Seated	Seated	Seated
1.5	Load capacity/rated load	Q [kg]	1800	2000	2500
1.6	Load centre	c [mm]	600	600	600
1.8	Load distance, centre of support arm wheel to face of forks	x [mm]	373*	433*	388*
1.9	Wheelbase	y [mm]	1455	1515	1575
WEIGHT					
2.1	Service weight including battery	[kg]	4033	4216	4738
2.3	Axle load, mast retracted without load, drive/support arm wheel	[kg]	2518/1515	2670/1546	2860/1879
2.4	Axle load, mast extended with load, drive/support arm wheel	[kg]	878/4955	924/5292	879/6359
2.5	Axle load, mast retracted with load, drive/support arm wheel	[kg]	2215/3618	2425/3791	2497/4741
WHEELS					
3.1	Drive/support arm wheel	[mm]	Vulkollan	Vulkollan	Vulkollan
3.2	Wheel size, front	[mm]	400x160	400x160	400x160
3.3	Wheel size, rear	[mm]	350x106	350x106	350x106
3.5	Wheels, number front/rear (x=driven wheels)		1x/2	1x/2	1x/2
3.7	Track width, rear	b ₁₁ [mm]	1134	1134	1134
DIMENSIONS					
4.1	Tilt of fork, forward/backward	α/β [deg]	-2°/4°*	-2°/4°*	-2°/4°*
4.2	Height, mast lowered	h ₁ [mm]	2966*	2966*	2936*
4.3	Free lift	h ₂ [mm]	2459*	2459*	2449*
4.4	Lift	h ₃ [mm]	6945*	6945*	6945*
	Lift height	h ₂₃ [mm]	7000*	7000*	7000*
4.5	Height, mast extended	h ₄ [mm]	7548*	7548*	7545*
4.7	Height of overhead guard (cab)	h ₆ [mm]	2263	2263	2263
4.8	Seat height	h ₇ [mm]	1198	1198	1198
4.10	Height of support arms	h ₈ [mm]	330	330	330
4.15	Height of lowered forks	h ₁₃ [mm]	55	55	55
4.19	Overall length	l ₁ [mm]	2557	2557	2662
4.20	Length to face of forks	l ₂ [mm]	1407	1407	1512
4.21	Overall width	b ₁ [mm]	1270	1270	1270
4.22	Fork dimensions	s/e/l [mm]	40/120/1150*	40/120/1150*	45/125/1150*
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
4.24	Fork carriage width	b ₃ [mm]	819	819	819
4.25	Width over forks	b ₅ [mm]	272-718	272-718	277-723
4.26	Distance between support arms	b ₄ [mm]	900*	900*	900*
4.28	Reach distance	l ₄ [mm]	594*	654*	609*
4.31	Ground clearance, with load, below mast	m ₁ [mm]	68	68	68
4.32	Ground clearance, centre of wheelbase ¹⁾	m ₂ [mm]	74	74	74
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} [mm]	2848	2865	2957
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st} [mm]	2899	2905	3005
4.35	Turning radius	W _a [mm]	1780	1840	1900
4.37	Length across support arms	l ₇ [mm]	1976	2036	2096
PERFORMANCE DATA					
5.1	Travel speed, with/without load	[km/h]	11/11	11/11	11/11
5.2	Lift speed, with/without load	[m/s]	---	---	---
	Lift speed, with/without load (High speed version)	[m/s]	0,46/0,68	0,43/0,68	0,37/0,64
5.3	Lowering speed, with/without load	[m/s]	0,55/0,60	0,55/0,60	0,53/0,58
5.4	Reach speed, with/without load	[m/s]	0,20/0,28	0,20/0,28	0,20/0,28
5.8	Max. gradeability, with/without load ²⁾	[%]	10/15	10/15	7/12
5.9	Acceleration time with/without load (over 10 m)	[s]	4,9/4,4	5,0/4,5	5,4/4,7
5.10	Service brake		Electric	Electric	Electric
ELECTRIC MOTOR					
6.1	Drive motor rating S2 60 min	[kW]	9	9	9
6.2	Lift motor rating S3 15%	[kW]	---	---	---
	Lift motor rating S3 15% (High speed version)	[kW]	15	15	15
6.4	Battery voltage, nominal capacity K5	[V/Ah]	48/620*	48/620*	48/775*
6.5	Battery weight	[kg]	875*	875*	1055*
OTHER					
8.1	Type of drive control		Variable AC	Variable AC	Variable AC

1) 15 mm under studs 2) Measured according to company standard *) Other alternatives are available

All data are based on table configuration. 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 R314 - R325 Dimensional Drawings



Battery compartments

DIMENSIONS			R314			R316		
Battery compartment depth	[mm]		347	419		347	419	491
1.8 Load distance, centre of support arm wheel to face of forks	x [mm]		238 ¹⁾	157		322 ¹⁾	250 ¹⁾	169
4.20 Length to face of forks	l ₂ [mm]		1398 ²⁾	1479		1398 ²⁾	1470 ²⁾	1551
4.33 Aisle width for pallets 1000x1200 crossways	A _{st} [mm]		2808	2873		2825	2880	2945
4.34 Aisle width for pallets 800x1200 lengthways	A _{st} [mm]		2880	2955		2885	2951	3026
4.35 Turning Radius	W ₀ [mm]		1638	1638		1720	1720	1720
6.4 Battery voltage, nominal capacity K5	[V/Ah]		620	775		620	775	930
6.5 Battery weight, min.—max.	[kg]		875-1030	1055-1235		875-1030	1055-1235	1250-1440

¹⁾ With battery in sleigh - 9 mm
²⁾ With battery in sleigh + 9 mm

DIMENSIONS	MAST TYPE	CESAB R318			CESAB R320						CESAB R325									
		TRIPLEX FULL FREELIFT - B	TRIPLEX FULL FREELIFT - C		TRIPLEX FULL FREELIFT - B	TRIPLEX FULL FREELIFT - C	TRIPLEX FULL FREELIFT - D	TRIPLEX FFL - C	TRIPLEX FFL - D											
Battery compartment depth	[mm]	347	419	491	347	419	491	347	419	491	347	419	491							
1.8 Load distance, centre of support arm wheel to face of forks	x [mm]	373	301	229	340	268	196	433	361	289	400	328	256	345	273	201	388	316	333	261
4.20 Length to face of forks	l ₂ [mm]	1344	1416	1488	1377	1449	1521	1344	1416	1488	1377	1449	1521	1432	1504	1576	1449	1521	1504	1576
4.33 Aisle width for pallets 1000x1200 crossways	A _{st} [mm]	2848	2901	2957	2872	2926	2983	2865	2916	2970	2888	2941	2996	2928	2983	3039	2957	3010	2997	3052
4.34 Aisle width for pallets 800x1200 lengthways	A _{st} [mm]	2899	2964	3030	2928	2994	3061	2905	2969	3035	2934	2999	3065	2984	3050	3116	3005	3070	3055	3121
4.35 Turning Radius	W ₀ [mm]	1780	1780	1780	1780	1780	1780	1840	1840	1840	1840	1840	1840	1840	1840	1840	1900	1900	1900	1900
6.4 Battery voltage, nominal capacity K5	[V/Ah]	620	775	930	620	775	930	620	775	930	620	775	930	620	775	930	775	930	775	930
6.5 Battery weight, min.—max.	[kg]	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	875-1030	1055-1235	1250-1440	1055-1235	1250-1440	1055-1235	1250-1440

Mast Dimensions

CESAB R314/316		TRIPLEX FULL FREELIFT A														
Lift height	h ₃ [mm]	4900	5400	5700	6300	7000	7250	7500	8000	8500	9000	9500	10000	10250	10500	11000
4.4 Lift	h ₂₃ [mm]	4845	5345	5645	6245	6945	7195	7445	7945	8445	8945	9445	9945	10195	10445	10945
4.2 Height, mast lowered	h ₁ [mm]	2187	2354	2454	2654	2887	2971	3054	3221	3387	3554	3721	3887	3971	4054	4221
4.3 Free lift	h ₂ [mm]	1703	1871	1971	2171	2403	2487	2571	2737	2903	3071	3237	3403	3487	3571	3737
4.5 Height, mast extended	h ₄ [mm]	5440	5941	6241	6841	7540	7792	8041	8542	9040	9541	10042	10540	10791	11041	11542

CESAB R318		TRIPLEX FULL FREELIFT B										TRIPLEX FULL FREELIFT C						
Lift height	h ₃ [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000
4.4 Lift	h ₂₃ [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945
4.2 Height, mast lowered	h ₁ [mm]	2249	2432	2532	2732	2966	3132	3299	3466	3632	3799	3966	4132	4299	4463	4630	4797	4963
4.3 Free lift	h ₂ [mm]	1741	1925	2025	2225	2459	2625	2791	2959	3125	3291	3459	3625	3791	3949	4117	4283	4449
4.5 Height, mast extended	h ₄ [mm]	5397	5946	6246	6846	7548	8046	8547	9048	9546	10047	10548	11046	11547	12045	12546	13047	13545

CESAB R320		TRIPLEX FULL FREELIFT B								TRIPLEX FULL FREELIFT C			TRIPLEX FULL FREELIFT D					
Lift height	h ₃ [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000
4.4 Lift	h ₂₃ [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945
4.2 Height, mast lowered	h ₁ [mm]	2249	2432	2532	2732	2966	3132	3299	3466	3632	3799	3963	4130	4297	4463	4630	4797	4963
4.3 Free lift	h ₂ [mm]	1741	1925	2025	2225	2459	2625	2791	2959	3125	3291	3449	3617	3783	3949	4117	4283	4449
4.5 Height, mast extended	h ₄ [mm]	5397	5946	6246	6846	7548	8046	8547	9048	9546	10047	10545	11046	11547	12045	12546	13047	13545

CESAB R325		TRIPLEX FULL FREELIFT C								TRIPLEX FULL FREELIFT D								
Lift height	h ₃ [mm]	4850	5400	5700	6300	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000
4.4 Lift	h ₂₃ [mm]	4795	5345	5645	6245	6945	7445	7945	8445	8945	9445	9945	10445	10945	11445	11945	12445	12945
4.2 Height, mast lowered	h ₁ [mm]	2247	2430	2530	2730	2936	3130	3297	3463	3630	3797	3963	4130	4297	4463	4630	4797	4963
4.3 Free lift	h ₂ [mm]	1733	1917	2017	2217	2449	2617	2783	2949	3117	3283	3449	3617	3783	3949	4117	4283	4449
4.5 Height, mast extended	h ₄ [mm]	5397	5946	6246	6846	7545	8046	8547	9045	9546	10047	10545	11046	11547	12045	12546	13047	13545

The data in this specification sheet was determined based on our standard testing conditions. Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area. Availability and specifications are determined regionally and are subject to change without notice. Please consult your authorised CESAB dealership for further details. SPEC_R300_EN_2019 / P&B R300 V37 – Copyright CESAB Material Handling Europe.

