CESAB B600 4.0 - 5.0 tonne

80V Electric Powered Forklifts



Truck Specifications





CESAB B640 - B645 Truck Specifications

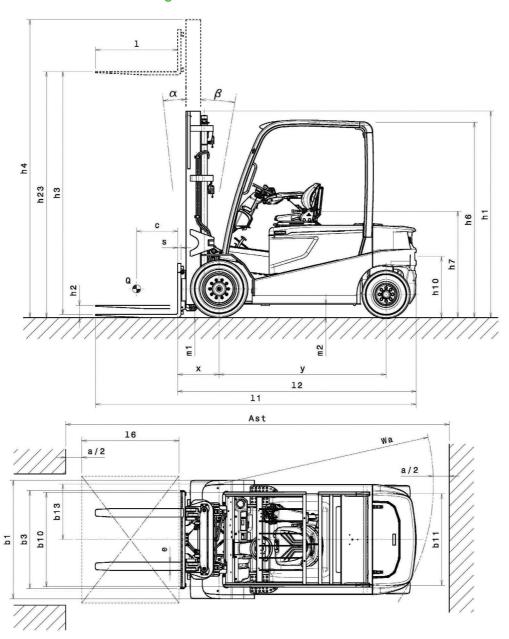
1.1	Manufacturer		CESAB	CESAB
.2	Model designation		B640	B645
	•		Electric	Electric
.3	Power unit: electric (battery), diesel, petrol, LPG Operation: manual, pedestrian, stand-on, driver seated		Driver seated	
		0.10		Driver seated
5	Load capacity	Q [t]	4,0	4,5
6	Load centre	c [mm]	500	500
.8	Axle centre to fork face	x [mm]	522	b 522
.9	Wheel-base	y [mm]	2030	2030
EIG	HTS			
1	Weight	kg	6546	a 7086
2	Axle load with load, front/rear	kg	9569 / 1078	10284 / 1304
3	Axle load without load, front/rear	kg	3554 / 3092	3517 / 3570
HEE	ELS AND CHASSIS			
1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin		SE	SE
2	Tyre size, front		250-15	250-15
3	Tyre size, rear		23x9-10	23x9-10
5	Wheels, number front/rear (x = driven)		2x / 2	2x / 2
6	Track width, front	b10 [mm]	1119	1119
7	Track width, rear	b11 [mm]	1113	1113
IME	NSIONS			
.1	Mast tilt, forward/backward	α/β[°]	5° / 10°	5° / 10°
2	Height of mast, lowered	h, [mm]	2500	2500
.3	Free lift	h ₂ [mm]	80	80
.4	Lift height	h ₃ [mm]	3300	3300
.5	Height of mast, extended	h ₄ [mm]	4156	4156
.7	Height of overhead guard	h ₆ [mm]	2360	2360
.8		-	1277	1277
	Height of driver's seat	h ₇ [mm]		
.12	Towing coupling height	h ₁₀ [mm]	720	720
.19	Overall length	I ₁ [mm]	4092	4117
.20	Length to fork face	l ₂ [mm]	2892	2917
.21	Overall width	b ₁ \b ₂ [mm]	1345	1345
.22	Fork dimensions	s/e/l [mm]	50x150x1200	50x150x1200
.23	Fork carriage to DIN 15173, class/form A, B		IIIA	IIIA
.24	Width of fork carriage	b ₃ [mm]	1170	1170
.31	Floor clearance, mast (with load)	m ₁ [mm]	150	150
.32	Floor clearance, centre of wheel-base (with load)	m ₂ [mm]	145	145
.33	Aisle width with pallets 1000 x 1200 across forks	Ast [mm]	4311	4331
.34	Aisle width with pallets 800 x 1200 along forks	Ast [mm]	4511	4531
.35	Turning radius	Wa [mm]	2589	2609
.36	Minimum distance between the centres of rotation	b ₁₃ [mm]	685	685
ERF	ORMANCES			
.1	Travel speed, with/without load	km/h	17,5 / 17,5	17,5 / 17,5
.2	Lifting speed, with/without load	m/s	0,33 / 0,47	0,33 / 0,47
.3	Lowering speed, with/without load	m/s	0,55 / 0,46	0,55 / 0,46
.5	Tractive force, with/without load	N	12420	12420
.6	Maximum tractive force, with/without load, S2 5 minute rating	N	22000	22000
.7	Climbing ability, with/without load, S2 30 minute rating	%	11,3 / 17,0	9,5 / 16,8
.8	Maximum climbing ability, with/without load, S2 5 minute rating	%	15 / 25	14 / 24
.9	Acceleration time, with/without load	S	5,4 / 4,8	5,5 / 4,8
.10	Service brake: mechanical/hydraulic/electric/pneumatic	5	Mechanical / Hydraulic	Mechanical / Hydraulic
	<u> </u>		iviechanical / Hydraulic	Wechanical / Hydradiic
	TRIC MOTOR	1.347	05.0	05.0
1	Drive motor, S2 60 minute rating	kW	25,2	25,2
2	Lift motor, S3 15% rating	kW	25,5	25,5
.3	Battery according DIN 43531/35/36 A, B, C, NO		DIN 43536	DIN 43536
.4	Battery voltage/rated capacity (5 h)	V/Ah	80/840	80/840
.5	Battery weight	kg	2178	2178
.6	Energy consumption in acc. with VDI cycle	kWh/h	-	-
THE	RS			
.1	Type of drive control		AC	AC
3.2	Working pressure for attachments bar	bar	Adjustable 160 - 180	Adjustable 160 - 180
3.3	Oil flow for attachements	l/min	70	70
.4	Noise level at the driver's ear (EN 12053)	dB (A)	68	68

a) With battery, b) With fork carriage, NOTES: Unless otherwise specified, all data refer to vehicles with SE tyres. All performance figures refer to fully run-in vehicles, in perfect working status with homologated tyres mix, battery fully charged and excellent conditions with closed circuit voltage equal to nominal value. Truck performance and dimensions are nominal and subject to tolerances.





CESAB B640 - B645 Dimensional Drawings



Mast Specifications

	Duplex NFL (B640-B645)							
h ₃	Lift height	3000	3300	3700	4000	4500	5000	5500
h ₁	Height of mast, lowered	2360	2500	2750	2880	3130	3380	3630
h_2	Free lift	80	80	80	80	80	80	80
h ₄	Height of mast, extended	3856	4156	4556	4856	5356	5856	6356
α/β	Mast tilt forw./backw.	5°/10°	5°/10°	5°/10°	5°/10°	5°/6°	5°/6°	5°/6°

	Duplex FFL (B640-B645)				
h ₃	Lift height	3000	3300	3700	4000
h ₁	Height of mast, lowered	2360	2500	2750	2880
h ₂	Free lift	1470	1610	1860	1990
h ₄	Height of mast, extended	3890	4190	4590	4890
α/β	Mast tilt forw./backw.	5°/6°	5°/6°	5°/6°	5°/6°

	Triplex FFL (B640-B645)						
h ₃	Lift height	4400	4700	5000	5500	6000	6500
h ₁	Height of mast, lowered	2360	2440	2500	2750	2880	3130
h_2	Free lift	1470	1550	1610	1860	1990	2240
h ₄	Height of mast, extended	5290	5590	5890	6390	6890	7390
α/β	Mast tilt forw./backw.	5°/6°	5°/6°	5°/6°	5°/6°	5°/6°	5°/6°



CESAB B650 Truck Specifications

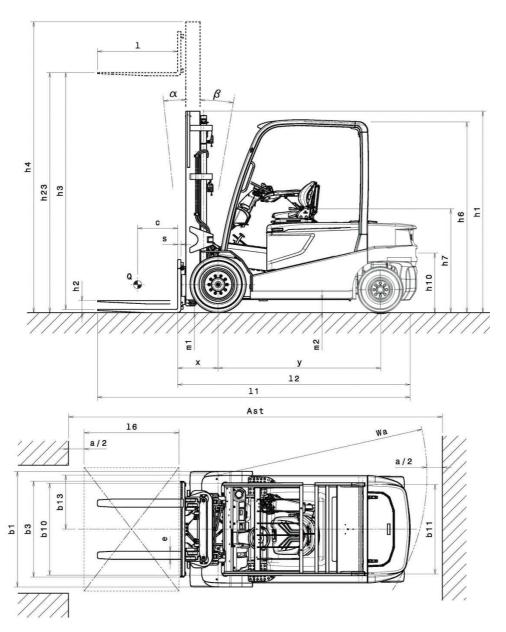
	ACTERISTICS			
.1	Manufacturer		CESAB	
.2	Model designation		B650	
.3	Power unit: electric (battery), diesel, petrol, LPG		Electric	
.4	Operation: manual, pedestrian, stand-on, driver seated		Driver seated	
.5	Load capacity	Q [t]	5,0	
.6	Load centre	c [mm]	600	
.8	Axle centre to fork face	x [mm]	532	
.9	Wheel-base	y [mm]	2030	
VEIGH	HTS			
.1	Weight	kg	7738	
.2	Axle load with load, front/rear	kg	11347 / 1392	
.3	Axle load without load, front/rear	kg	3557 / 4181	
	LS AND CHASSIS			
.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin		SE	
.2	Tyre size, front		28x12,5-15	
.3	Tyre size, rear		23x9-10	
.5	Wheels, number front/rear (x = driven)		2x / 2	
.6	Track width, front	h [mm]	1145	
.7		b ₁₀ [mm]		
	Track width, rear	b ₁₁ [mm]	1113	
	ISIONS	/ 0 703	50.1400	
.1	Mast tilt, forward/backward	α / β [°]	5° / 10°	
.2	Height of mast, lowered	h ₁ [mm]	2500	
.3	Free lift	h ₂ [mm]	80	
.4	Lift height	h ₃ [mm]	3300	
.5	Height of mast, extended	h ₄ [mm]	4156	
.7	Height of overhead guard	h ₆ [mm]	2360	
.8	Height of driver's seat	h ₇ [mm]	1277	
.12	Towing coupling height	h ₁₀ [mm]	720	
.19	Overall length	I ₁ [mm]	4227	
.20	Length to fork face	I ₂ [mm]	3027	
.21	Overall width	b ₁ \b ₂ [mm]	1440	
.22	Fork dimensions	s/e/l [mm]	60x150x1200	
.23	Fork carriage to DIN 15173, class/form A, B		IIIA	
.24	Width of fork carriage	b ₃ [mm]	1170	
.31	Floor clearance, mast (with load)	m, [mm]	150	
.32	Floor clearance, centre of wheel-base (with load)	m ₂ [mm]	145	
.33	Aisle width with pallets 1000 x 1200 across forks	Ast [mm]	4433	
.34	Aisle width with pallets 800 x 1200 along forks	Ast [mm]	4633	
.35	Turning radius	Wa [mm]	2701	
.36	Minimum distance between the centres of rotation	b ₁₃ [mm]	685	
	DRMANCES	U ₁₃ [mm]	000	
.1	Travel speed, with/without load	km/h	17,5 / 17,5	
	• •			
.2	Lifting speed, with/without load	m/s	0,31 / 0,44	
.3	Lowering speed, with/without load	m/s	0,55 / 0,46	
.5	Tractive force, with/without load	N	12420	
.6	Maximum tractive force, with/without load, S2 5 minute rating	N	22000	
.7	Climbing ability, with/without load, S2 30 minute rating	%	8,8 / 15,8	
.8	Maximum climbing ability, with/without load, S2 5 minute rating	%	13 / 23	
.9	Acceleration time, with/without load	S	5,6 / 4,9	
.10	Service brake: mechanical/hydraulic/electric/pneumatic		Mechanical / Hydraulic	
LECT	TRIC MOTOR			
1	Drive motor, S2 60 minute rating	kW	25,2	
2	Lift motor, S3 15% rating	kW	25,5	
3	Battery according DIN 43531/35/36 A, B, C, NO		DIN 43536	
4	Battery voltage/rated capacity (5 h)	V/Ah	80/840	
5	Battery weight	kg	2178	
6	Energy consumption in acc. with VDI cycle	kWh/h		
THE	Type of drive control		AC	
.1		bar	Adjustable 160 - 180	
.1 .2 .3	Working pressure for attachments bar Oil flow for attachments	bar I/min	Adjustable 160 - 180 70	

a) With battery, b) With fork carriage, NOTES: Unless otherwise specified, all data refer to vehicles with SE tyres. All performance figures refer to fully run-in vehicles, in perfect working status with homologated tyres mix, battery fully charged and excellent conditions with closed circuit voltage equal to nominal value. Truck performance and dimensions are nominal and subject to tolerances.





CESAB B650 Dimensional Drawings



Mast Specifications

	Duplex NFL (B650)							
h ₃	Lift height	3000	3300	3700	4000	4500	5000	5500
h ₁	Height of mast, lowered	2360	2500	2750	2880	3130	3380	3630
h ₂	Free lift	80	80	80	80	80	80	80
h ₄	Height of mast, extended	3856	4156	4556	4856	5356	5856	6356
α/β	Mast tilt forw./backw.	5°/10°	5°/10°	5°/10°	5°/10°	5°/6°	5°/6°	5°/6°

	Duplex FFL (B650)				
h ₃	Lift height	2800	3300	3700	4000
h ₁	Height of mast, lowered	2360	2630	2880	3130
h ₂	Free lift	1470	1740	1990	2240
h ₄	Height of mast, extended	3690	4190	4590	4890
α/β	Mast tilt forw./backw.	5°/6°	5°/6°	5°/6°	5°/6°

	Triplex FFL (B650)						
h ₃	Lift height	4300	4700	5000	5500	6000	6500
h ₁	Height of mast, lowered	2360	2500	2630	2880	3130	3380
h ₂	Free lift	1470	1610	1740	1990	2240	2490
h ₄	Height of mast, extended	5190	5590	5890	6390	6890	7390
α/β	Mast tilt forw./backw.	5°/6°	5°/6°	5°/6°	5°/6°	5°/6°	5°/6°





