

CESAB B600 4.0 - 5.0 tonne

80V Electric Powered Forklifts



Truck Specifications



CESAB B640 - B645 Truck Specifications

CHARACTERISTICS					
1.1	Manufacturer	CESAB		CESAB	
1.2	Model designation	B640		B645	
1.3	Power unit: electric (battery), diesel, petrol, LPG	Electric		Electric	
1.4	Operation: manual, pedestrian, stand-on, driver seated	Driver seated		Driver seated	
1.5	Load capacity	Q [t]	4,0		4,5
1.6	Load centre	c [mm]	500		500
1.8	Axle centre to fork face	x [mm]	522	b	522
1.9	Wheel-base	y [mm]	2030		2030
WEIGHTS					
2.1	Weight	kg	6546	a	7086
2.2	Axle load with load, front/rear	kg	9569 / 1078		10284 / 1304
2.3	Axle load without load, front/rear	kg	3554 / 3092		3517 / 3570
WHEELS AND CHASSIS					
3.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin	SE		SE	
3.2	Tyre size, front	250-15		250-15	
3.3	Tyre size, rear	23x9-10		23x9-10	
3.5	Wheels, number front/rear (x = driven)	2x / 2		2x / 2	
3.6	Track width, front	b10 [mm]	1119		1119
3.7	Track width, rear	b11 [mm]	1113		1113
DIMENSIONS					
4.1	Mast tilt, forward/backward	α / β [°]	5° / 10°		5° / 10°
4.2	Height of mast, lowered	h_1 [mm]	2500		2500
4.3	Free lift	h_2 [mm]	80		80
4.4	Lift height	h_3 [mm]	3300		3300
4.5	Height of mast, extended	h_4 [mm]	4156		4156
4.7	Height of overhead guard	h_6 [mm]	2360		2360
4.8	Height of driver's seat	h_7 [mm]	1277		1277
4.12	Towing coupling height	h_{10} [mm]	720		720
4.19	Overall length	l_1 [mm]	4092		4117
4.20	Length to fork face	l_2 [mm]	2892		2917
4.21	Overall width	b_1/b_2 [mm]	1345		1345
4.22	Fork dimensions	s/e/l [mm]	50x150x1200		50x150x1200
4.23	Fork carriage to DIN 15173, class/form A, B		IIIA		IIIA
4.24	Width of fork carriage	b_3 [mm]	1170		1170
4.31	Floor clearance, mast (with load)	m_1 [mm]	150		150
4.32	Floor clearance, centre of wheel-base (with load)	m_2 [mm]	145		145
4.33	Aisle width with pallets 1000 x 1200 across forks	Ast [mm]	4311		4331
4.34	Aisle width with pallets 800 x 1200 along forks	Ast [mm]	4511		4531
4.35	Turning radius	Wa [mm]	2589		2609
4.36	Minimum distance between the centres of rotation	b_{13} [mm]	685		685
PERFORMANCES					
5.1	Travel speed, with/without load	km/h	17,5 / 17,5		17,5 / 17,5
5.2	Lifting speed, with/without load	m/s	0,33 / 0,47		0,33 / 0,47
5.3	Lowering speed, with/without load	m/s	0,55 / 0,46		0,55 / 0,46
5.5	Tractive force, with/without load	N	12420		12420
5.6	Maximum tractive force, with/without load, S2 5 minute rating	N	22000		22000
5.7	Climbing ability, with/without load, S2 30 minute rating	%	11,3 / 17,0		9,5 / 16,8
5.8	Maximum climbing ability, with/without load, S2 5 minute rating	%	15 / 25		14 / 24
5.9	Acceleration time, with/without load	s	5,4 / 4,8		5,5 / 4,8
5.10	Service brake: mechanical/hydraulic/electric/pneumatic		Mechanical / Hydraulic		Mechanical / Hydraulic
ELECTRIC MOTOR					
6.1	Drive motor, S2 60 minute rating	kW	25,2		25,2
6.2	Lift motor, S3 15% rating	kW	25,5		25,5
6.3	Battery according DIN 43531/35/36 A, B, C, NO		DIN 43536		DIN 43536
6.4	Battery voltage/rated capacity (5 h)	V/Ah	80/840		80/840
6.5	Battery weight	kg	2178		2178
6.6	Energy consumption in acc. with VDI cycle	kWh/h	-		-
OTHERS					
8.1	Type of drive control		AC		AC
8.2	Working pressure for attachments bar	bar	Adjustable 160 - 180		Adjustable 160 - 180
8.3	Oil flow for attachments	l/min	70		70
8.4	Noise level at the driver's ear (EN 12053)	dB (A)	68		68
8.5	Towing coupling, design/type DIN		-		-

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 Truck Specifications

CHARACTERISTICS			
1.1	Manufacturer	CESAB	
1.2	Model designation	B650	
1.3	Power unit: electric (battery), diesel, petrol, LPG	Electric	
1.4	Operation: manual, pedestrian, stand-on, driver seated	Driver seated	
1.5	Load capacity	Q [t]	5,0
1.6	Load centre	c [mm]	600
1.8	Axle centre to fork face	x [mm]	532
1.9	Wheel-base	y [mm]	2030
WEIGHTS			
2.1	Weight	kg	7738
2.2	Axle load with load, front/rear	kg	11347 / 1392
2.3	Axle load without load, front/rear	kg	3557 / 4181
WHEELS AND CHASSIS			
3.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin	SE	
3.2	Tyre size, front	28x12,5-15	
3.3	Tyre size, rear	23x9-10	
3.5	Wheels, number front/rear (x = driven)	2x / 2	
3.6	Track width, front	b ₁₀ [mm]	1145
3.7	Track width, rear	b ₁₁ [mm]	1113
DIMENSIONS			
4.1	Mast tilt, forward/backward	α / β [°]	5° / 10°
4.2	Height of mast, lowered	h ₁ [mm]	2500
4.3	Free lift	h ₂ [mm]	80
4.4	Lift height	h ₃ [mm]	3300
4.5	Height of mast, extended	h ₄ [mm]	4156
4.7	Height of overhead guard	h ₆ [mm]	2360
4.8	Height of driver's seat	h ₇ [mm]	1277
4.12	Towing coupling height	h ₁₀ [mm]	720
4.19	Overall length	l ₁ [mm]	4227
4.20	Length to fork face	l ₂ [mm]	3027
4.21	Overall width	b ₁ /b ₂ [mm]	1440
4.22	Fork dimensions	s/e/l [mm]	60x150x1200
4.23	Fork carriage to DIN 15173, class/form A, B	IIIA	
4.24	Width of fork carriage	b ₃ [mm]	1170
4.31	Floor clearance, mast (with load)	m ₁ [mm]	150
4.32	Floor clearance, centre of wheel-base (with load)	m ₂ [mm]	145
4.33	Aisle width with pallets 1000 x 1200 across forks	Ast [mm]	4433
4.34	Aisle width with pallets 800 x 1200 along forks	Ast [mm]	4633
4.35	Turning radius	Wa [mm]	2701
4.36	Minimum distance between the centres of rotation	b ₁₃ [mm]	685
PERFORMANCES			
5.1	Travel speed, with/without load	km/h	17,5 / 17,5
5.2	Lifting speed, with/without load	m/s	0,31 / 0,44
5.3	Lowering speed, with/without load	m/s	0,55 / 0,46
5.5	Tractive force, with/without load	N	12420
5.6	Maximum tractive force, with/without load, S2 5 minute rating	N	22000
5.7	Climbing ability, with/without load, S2 30 minute rating	%	8,8 / 15,8
5.8	Maximum climbing ability, with/without load, S2 5 minute rating	%	13 / 23
5.9	Acceleration time, with/without load	s	5,6 / 4,9
5.10	Service brake: mechanical/hydraulic/electric/pneumatic	Mechanical / Hydraulic	
ELECTRIC MOTOR			
6.1	Drive motor, S2 60 minute rating	kW	25,2
6.2	Lift motor, S3 15% rating	kW	25,5
6.3	Battery according DIN 43531/35/36 A, B, C, NO	DIN 43536	
6.4	Battery voltage/rated capacity (5 h)	V/Ah	80/840
6.5	Battery weight	kg	2178
6.6	Energy consumption in acc. with VDI cycle	kWh/h	-
OTHERS			
8.1	Type of drive control	AC	
8.2	Working pressure for attachments bar	bar	Adjustable 160 - 180
8.3	Oil flow for attachments	l/min	70
8.4	Noise level at the driver's ear (EN 12053)	dB (A)	68
8.5	Towing coupling, design/type DIN	-	

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.



