

Electric powered forklift 48V

B3

3 wheel

B3

B3-Li



Electric powered forklift 1.5 - 1.6 t

IDENTIFICATION

1.1	Manufacturer			CESAB	CESAB	CESAB	CESAB
1.2	Model			B3-15	B3-16	B3-16L	B3-16-Li
1.3	Drive			Electric	Electric	Electric	Electric
1.4	Operator type			Rider seated	Rider seated	Rider seated	Rider seated
1.5	Load capacity/rated load	Q	kg	1500	1600	1600	1600
1.6	Load centre	c	mm	500	500	500	500
1.8	Load distance, centre of drive axle to fork	x	mm	317	317	317	317
1.9	Wheelbase	y	mm	1305	1413	1521	1413

WEIGHT

2.1	Service weight	kg	2974	3009	2985	3095
2.2	Axle load, with load, front/rear	kg	3907/567	4061/548	4037/548	3836/542
2.3	Axle load, without load, front/rear	kg	1468/1506	1536/1473	1578/1407	1311/1467

TYRES

3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE	SE
3.2	Tyre size, front			18x7-8	18x7-8	18x7-8	18x7-8
3.3	Tyre size, rear			15x4.1/2x8	15x4.1/2x8	15x4.1/2x8	15x4.1/2x8
3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2	2x/2	2x/2
3.6	Track width, front	b ₁₀	mm	905	905	905	905
3.7	Track width, rear	b ₁₁	mm	185	185	185	185

DIMENSIONS

4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/7	5/7	5/7	5/7
4.2	Height, mast lowered	h ₁	mm	2120	2120	2120	2120
4.3	Free lift	h ₂	mm	115	115	115	115
4.4	Lift	h ₃	mm	3300	3300	3300	3300
	Lift height	h ₂₃	mm	3335	3335	3335	3335
4.5	Height, mast extended	h ₄	mm	3870	3870	3870	3870
4.7	Height of overhead guard (cab)	h ₆	mm	2055	2055	2055	2055
4.8	Seat height/stand height	h ₇	mm	1065	1065	1065	1065
4.12	Coupling height	h ₁₀	mm	550	550	550	550
4.19	Overall length	l ₁	mm	2772	2880	2988	2880
4.20	Length to face of forks	l ₂	mm	1772	1880	1988	1880
4.21	Overall width	b ₁	mm	1060	1060	1060	1060
4.22	Fork dimensions	s/e/l	mm	35/100/1000	35/100/1000	35/100/1000	35/100/1000
4.23	Fork carriage DIN 15 173, class/type A, B			IIA	IIA	IIA	IIA
4.24	Fork-carriage width	b ₃	mm	920	920	920	920
4.31	Ground clearance, with load, below mast	m ₁	mm	80	80	80	80
4.32	Ground clearance, centre of wheelbase	m ₂	mm	81	81	81	93
4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	3102	3210	3318	3210
4.35	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	3223	3331	3440	3331
4.35	Turning radius	W _a	mm	1455	1563	1671	1563
4.36	Internal turning radius	b ₁₃	mm	0	0	0	0

PERFORMANCE DATA

5.1	Travel speed, with/without load	km/h	16/16	16/16	16/16	16/16
5.2	Lift speed, with/without load Standard Performance	m/s	0,45/0,61 0,54/0,75	0,43/0,61 0,54/0,75	0,43/0,61 0,54/0,75	0,43/0,61 0,54/0,75
5.3	Lowering speed, with/without load	m/s	0,58/0,57	0,58/0,57	0,58/0,57	0,58/0,57
5.5	Drawbar pull, with/without load S2-60'	N	6966	6982	6982	7656
5.6	Max. drawbar pull, with/without load	N	12237	12266	12266	13450
5.7	Gradeability, with/without load	%	17,6/28	17/27,7	17,1/28	20,1/34,1
5.8	Max. gradeability, with/without load	%	24,9/40,3	24,1/39,8	24,3/40,2	28,6/38,2
5.9	Acceleration time, with/without load	s	4,5/4,1	4,6/4,2	4,6/4,2	4,6/4,2
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic

ELECTRIC MOTOR

6.1	Drive motor rating S2 60 min	kW	6,6x2	6,6x2	6,6x2	6,6x2
6.2	Lift motor rating S3 15% Standard Performance	kW	11 12,5	11 12,5	11 12,5	11 12,5
6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no		43 531A	43 531A	43 531A	no
6.4	Battery voltage, nominal capacity K _s	V/Ah	48/420-460-500	48/525-575-625	48/630-690-750	48/300-420
6.5	Battery weight	kg	708	856	1013	240
6.6	Energy consumption acc. to EN16796 Standard	kWh/h	3,5	3,7	3,6	3,6
6.6	Energy consumption acc. to EN16796 Performance	kWh/h	3,3	3,6	3,4	3,6

OTHER

8.1	Type of drive control		inverter MOSFET	inverter MOSFET	inverter MOSFET	inverter MOSFET
8.2	Operating pressure for attachments	bar	183	183	183	183
8.3	Oil volume for attachments	l/min	42	42	42	42
8.4	Sound level at the driver's ear according to EN12053	dB(A)	65,8	65,8	65,8	65,8

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.

Mast dimensions and rated capacities

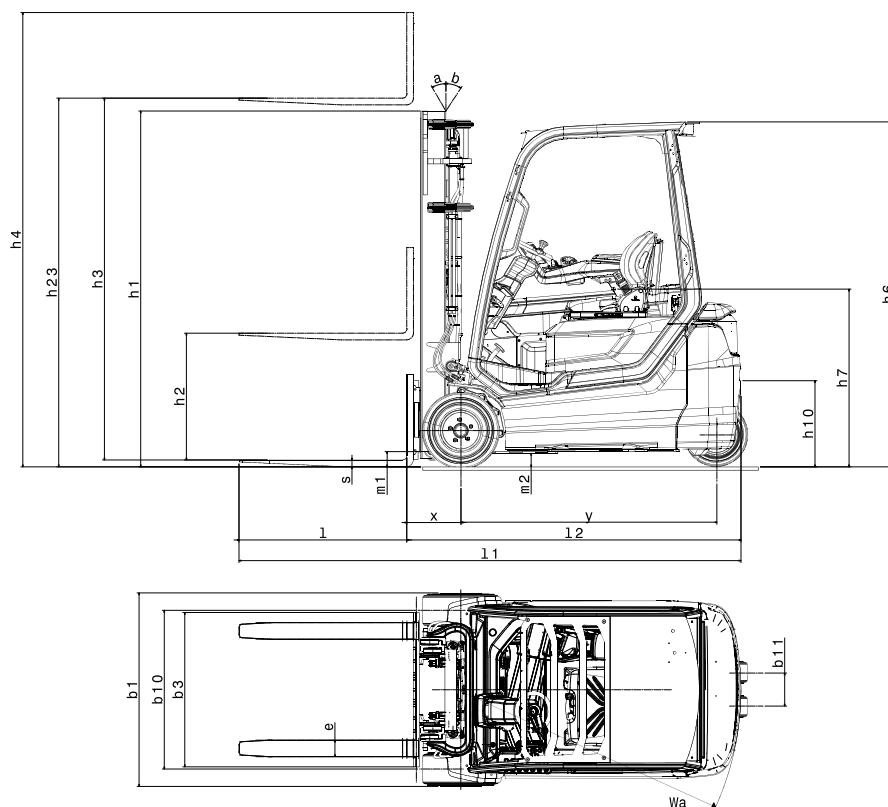
Model		Duplex NFL (V)	Duplex FFL (FV)	Duplex FFL (FW)-IMD	Triplex FFL (FSV)	Triplex FFL (FSW)-IMD
B3-15/B3-16/B3-16-LJ	Lift height	h ₂₃	3035 3335 3535 3735 4035 4535 5035	3035 3335 3535 3735	4335 4535 4735 5035 5535 6035	4335 4535 4735 5035 5535 6035 6535 7035 7535
	Lift	h ₃	3000 3300 3500 3700 4000 4500 5000	3000 3300 3500 3700	4300 4500 4700 5000 5500 6000	4300 4500 4700 5000 5500 6000 6500 7000 7500
	Height, mast lowered	h ₁	1970 2120 2220 2380 2570 2820 3070	1970 2120 2220 2380	1970 2040 2120 2220 2380 2570	1970 2040 2120 2220 2380 2570 2820 3070 3320
	Height, mast extended ¹⁾	h ₄	3570 3870 4070 4270 4570 5070 5570	3555 3855 4055 4255	4845 5045 5245 5545 6045 6545	4845 5045 5245 5545 6045 6545 7045 7545 8045
	Height, mast extended ²⁾	h ₄	4220 4520 4720 4920 5220 5270 6220	4220 4520 4720 4920	5520 5720 5920 6220 6720 7220	5520 5720 5920 6220 6720 7220 7720 8220 8720
	Free lift, without load backrest	h ₂	80 80 80 80 80 80 80	1430 1580 1680 1840	1460 1530 1610 1710 1870 2060	1460 1530 1610 1710 1870 2060 2250 2450 2650
	Free lift, with load backrest	h ₂	80 80 80 80 80 80 80	750 900 1000 1160	780 930 1030 1130	750 820 900 1000 1160 1350

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm.

Pneumatic shaped cushion tyre		Duplex NFL (V)	Duplex FFL (FV)	Duplex FFL (FW)-IMD	Triplex FFL (FSV)	Triplex FFL (FSW)-IMD
B3-15	Tilt range, forward	deg	5 5 5 5 5 5 5	5 5 5 5	5 5 5 5 5 5	5 5 5 5 5 5 5 5
	Tilt range, backward	deg	7(5) 7(5) 7(5) 7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5) 5 5	7(5) 7(5) 7(5) 7(5) 7(5) 5 5 5 5
	Load capacity at 500 mm LC	kg	1500 1500 1500 1500 1500 1500 1500	1500 1500 1500 1500	1500 1500 1500 1500 1450 1100	1500 1500 1500 1500 1375 1300 900 700 525
B3-16	Tilt range, forward	deg	5 5 5 5 5 5 5	5 5 5 5	5 5 5 5 5 5	5 5 5 5 5 5 5 5
	Tilt range, backward	deg	7(5) 7(5) 7(5) 7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5) 7(5) 5 5 5 7(5)
	Load capacity at 500 mm LC	kg	1600 1600 1600 1600 1600 1600 1600	1600 1600 1600 1600	1600 1600 1600 1585 1450 950	1600 1600 1600 1600 1510 1350 1050 750 600
B3-16L B3-16-LJ	Tilt range, forward	deg	5 5 5 5 5 5 5	5 5 5 5	5 5 5 5 5 5	5 5 5 5 5 5 5 5
	Tilt range, backward	deg	7(5) 7(5) 7(5) 7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5)	7(5) 7(5) 7(5) 7(5) 7(5) 5	7(5) 7(5) 7(5) 7(5) 7(5) 5 5 5 7(5)
	Load capacity at 500 mm LC	kg	1600 1600 1600 1600 1600 1600 1600	1600 1600 1600 1600	1600 1600 1600 1600 1600 1200	1600 1600 1600 1600 1600 1500 1175 875 650

Data in () are for when "Cabin Series" is selected (minimum front windshield).



Electric powered forklift 1.8 t

IDENTIFICATION

1.1	Manufacturer			CESAB	CESAB
1.2	Model			B3-18	B3-18L
1.3	Drive			Electric	Electric
1.4	Operator type			Rider seated	Rider seated
1.5	Load capacity/rated load	Q	kg	1800	1800
1.6	Load centre	c	mm	500	500
1.8	Load distance, centre of drive axle to fork	x	mm	317	317
1.9	Wheelbase	Y	mm	1413	1521

WEIGHT

2.1	Service weight			3134	3109
2.2	Axle load, with load, front/rear			4301/583	4351/558
2.3	Axle load, without load, front/rear			1540/1594	1584/1525

TYRES

3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE
3.2	Tyre size, front			18x7-8	18x7-8
3.3	Tyre size, rear			140/55-9	140/55-9
3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2
3.6	Track width, front	b ₁₀	mm	905	905
3.7	Track width, rear	b ₁₁	mm	193	193

DIMENSIONS

4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/7	5/7
4.2	Height, mast lowered	h ₁	mm	2120	2120
4.3	Free lift	h ₂	mm	115	115
4.4	Lift	h ₃	mm	3300	3300
	Lift height	h ₂₃	mm	3335	3335
4.5	Height, mast extended	h ₄	mm	3870	3870
4.7	Height of overhead guard (cab)	h ₆	mm	2055	2055
4.8	Seat height/stand height	h ₇	mm	1065	1065
4.12	Coupling height	h ₁₀	mm	550	550
4.19	Overall length	l ₁	mm	2880	2988
4.20	Length to face of forks	l ₂	mm	1880	1988
4.21	Overall width	b ₁	mm	1060	1060
4.22	Fork dimensions	s/e/l	mm	35/100/1000	35/100/1000
4.23	Fork carriage DIN 15 173, class/type A, B			IIA	IIA
4.24	Fork-carriage width	b ₃	mm	920	920
4.31	Ground clearance, with load, below mast	m ₁	mm	80	80
4.32	Ground clearance, centre of wheelbase	m ₂	mm	81	81
4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	3210	3318
4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	3331	3440
4.35	Turning radius	W _a	mm	1563	1671
4.36	Internal turning radius	b ₁₃	mm	0	0

PERFORMANCE DATA

5.1	Travel speed, with/without load	km/h	16/16	16/16
5.2	Lift speed, with/without load Standard Performance	m/s	0,42/0,61 0,52/0,75	0,42/0,61 0,52/0,75
5.3	Lowering speed, with/without load	m/s	0,58/0,57	0,58/0,57
5.5	Drawbar pull, with/without load	N	7016	7016
5.6	Max. drawbar pull, with/without load	N	12325	12325
5.7	Gradeability, with/without load	%	15,8/26,6	15,9/26,8
5.8	Max. gradeability, with/without load	%	22,5/38,2	22,6/38,5
5.9	Acceleration time, with/without load	s	4,7/4,3	4,7/4,3
5.10	Service brake		Hydraulic	Hydraulic

ELECTRIC MOTOR

6.1	Drive motor rating S2 60 min	kW	6,6x2	6,6x2
6.2	Lift motor rating S3 15% Standard Performance	kW	11 12,5	11 12,5
6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no		43 531A	43 531A
6.4	Battery voltage, nominal capacity K _s	V/Ah	48/525-575-625	48/630-690-750
6.5	Battery weight	kg	856	1013
6.6	Energy consumption acc. to EN16796 Standard	kWh/h	3,8	3,8
6.6	Energy consumption acc. to EN16796 Performance	kWh/h	3,6	3,6

OTHER

8.1	Type of drive control		inverter MOSFET	inverter MOSFET
8.2	Operating pressure for attachments	bar	183	183
8.3	Oil volume for attachments	l/min	42	42
8.4	Sound level at the driver's ear according to EN 12053	dB(A)	65,8	65,8

All data are based on table configuration. Other configurations may give other values.
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Mast dimensions and rated capacities

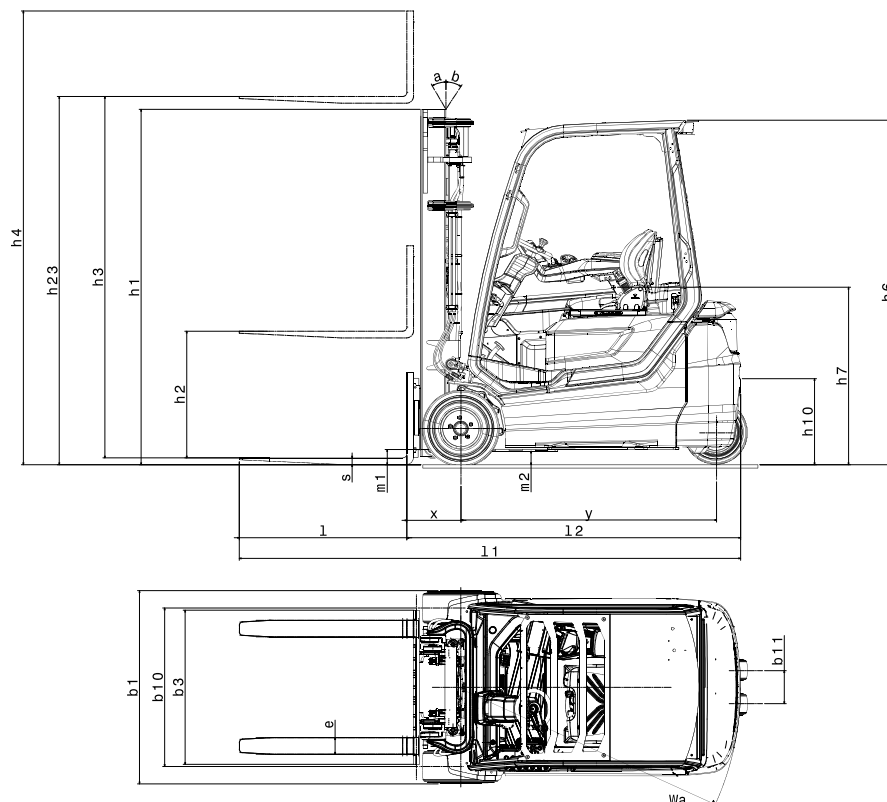
Model		Duplex NFL (V)								Duplex FFL (FV)								Duplex FFL (FW)-IMD								Triplex FFL (FSV)								Triplex FFL (FSW)-IMD							
B3-18/B3-18L	Lift height	h ₂₃	3035	3335	3535	3735	4035	4535	5035	3035	3335	3535	3735	3035	3335	3535	3735	4335	4535	4735	5035	5535	6035	4335	4535	4735	5035	5535	6035	6535	7035	7535	4335	4535	4735	5035	5535	6035	6535	7035	7535
	Lift	h ₃	3000	3300	3500	3700	4000	4500	5000	3000	3300	3500	3700	3000	3300	3500	3700	4300	4500	4700	5000	5500	6000	4300	4500	4700	5000	5500	6000	6500	7000	7500	4300	4500	4700	5000	5500	6000	6500	7000	7500
	Height, mast lowered	h ₁	1970	2120	2220	2380	2570	2820	3070	1970	2120	2220	2380	2000	2150	2250	2350	1970	2040	2120	2220	2380	2570	1970	2040	2120	2220	2380	2570	2820	3070	3320	1970	2040	2120	2220	2380	2570	2820	3070	3320
	Height, mast extended ¹⁾	h ₄	3570	3870	4070	4270	4570	5070	5570	3580	3880	4080	4280	3555	3855	4055	4255	4845	5045	5245	5545	6045	6545	4845	5045	5245	5545	6045	6545	7045	7545	8045	4845	5045	5245	5545	6045	6545	7045	7545	8045
	Height, mast extended ²⁾	h ₄	4220	4520	4720	4920	5220	5270	6220	4220	4520	4720	4920	4220	4520	4720	4920	5520	5720	5920	6220	6720	7220	5520	5720	5920	6220	6720	7220	7720	8220	8720	5520	5720	5920	6220	6720	7220	7720	8220	8720
	Free lift, without load backrest	h ₂	80	80	80	80	80	80	80	1430	1580	1680	1840	1440	1590	1690	1790	1460	1530	1610	1710	1870	2060	1430	1500	1600	1700	1900	2050	2250	2450	2650	1430	1500	1600	1700	1900	2050	2250	2450	2650
	Free lift, with load backrest	h ₂	80	80	80	80	80	80	80	1430	1580	1680	1840	1440	1590	1690	1790	1460	1530	1610	1710	1870	2060	1460	1530	1610	1710	1870	2060	2250	2450	2650	1460	1530	1610	1710	1870	2060	2250	2450	2650

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm.

Pneumatic shaped cushion tyre			Duplex NFL (V)								Duplex FFL (FV)				Duplex FFL (FW)-IMD				Triplex FFL (FSV)							Triplex FFL (FSW)-IMD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
B3-18	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Data in () are for when "Cabin Series" is selected (minimum front windshield).



Electric powered forklift 2.0 t

IDENTIFICATION

1.1	Manufacturer			CESAB	CESAB
1.2	Model			B3-20	B3-20-Li
1.3	Drive			Electric	Electric
1.4	Operator type			Rider seated	Rider seated
1.5	Load capacity/rated load	Q	kg	2000	2000
1.6	Load centre	c	mm	500	500
1.8	Load distance, centre of drive axle to fork	x	mm	317	317
1.9	Wheelbase	Y	mm	1521	1521

WEIGHT

2.1	Service weight			3312	3095
2.2	Axle load, with load, front/rear			4715/597	4478/617
2.3	Axle load, without load, front/rear			1640/1672	1372/1723

TYRES

3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE
3.2	Tyre size, front			200/50-10	200/50-10
3.3	Tyre size, rear			140/55-9	140/55-9
3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2
3.6	Track width, front	b ₁₀	mm	946	946
3.7	Track width, rear	b ₁₁	mm	193	193

DIMENSIONS

4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/7	5/7
4.2	Height, mast lowered	h ₁	mm	2120	2120
4.3	Free lift	h ₂	mm	115	115
4.4	Lift	h ₃	mm	3300	3300
	Lift height	h ₂₃	mm	3335	3335
4.5	Height, mast extended	h ₄	mm	3870	3870
4.7	Height of overhead guard (cab)	h ₆	mm	2055	2055
4.8	Seat height/stand height	h ₇	mm	1065	1065
4.12	Coupling height	h ₁₀	mm	550	550
4.19	Overall length	l ₁	mm	2988	2988
4.20	Length to face of forks	l ₂	mm	1988	1988
4.21	Overall width	b ₁	mm	1152	1152
4.22	Fork dimensions	s/e/l	mm	35/120/1000	35/120/1000
4.23	Fork carriage DIN 15 173, class/type A, B			IIA	IIA
4.24	Fork-carriage width	b ₃	mm	920	920
4.31	Ground clearance, with load, below mast	m ₁	mm	90	90
4.32	Ground clearance, centre of wheelbase	m ₂	mm	81	93
4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	3318	3318
4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	3440	3440
4.35	Turning radius	W _a	mm	1671	1671
4.36	Internal turning radius	b ₁₃	mm	0	0

PERFORMANCE DATA

5.1	Travel speed, with/without load	km/h	16/16	16/16
5.2	Lift speed, with/without load Standard Performance	m/s	0,38/0,54 0,44/0,64	0,38/0,54 0,44/0,64
5.3	Lowering speed, with/without load	m/s	0,52/0,5	0,52/0,5
5.5	Drawbar pull, with/without load	N	6757	7410
5.6	Max. drawbar pull, with/without load	N	11872	13017
5.7	Gradeability, with/without load	%	14/24,1	16,4/29,2
5.8	Max. gradeability, with/without load	%	19,9/34,4	23,3/35,4
5.9	Acceleration time, with/without load	s	4,7/4,3	4,7/4,3
5.10	Service brake		Hydraulic	Hydraulic

ELECTRIC MOTOR

6.1	Drive motor rating S2 60 min	kW	6,6 x 2	6,6 x 2
6.2	Lift motor rating S3 15% Standard Performance	kW	11 12,5	11 12,5
6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no		43 531A	no
6.4	Battery voltage, nominal capacity K _s	V/Ah	48/630-690-750	48/300-420
6.5	Battery weight	kg	1013	240
6.6	Energy consumption acc. to EN16796 Standard	kWh/h	3,9	3,8
6.6	Energy consumption acc. to EN16796 Performance	kWh/h	3,7	3,7

OTHER

8.1	Type of drive control		inverter MOSFET	inverter MOSFET
8.2	Operating pressure for attachments	bar	183	183
8.3	Oil volume for attachments	l/min	42	42
8.4	Sound level at the driver's ear according to EN 12053	dB(A)	65,8	65,8

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.

Mast dimensions and rated capacities

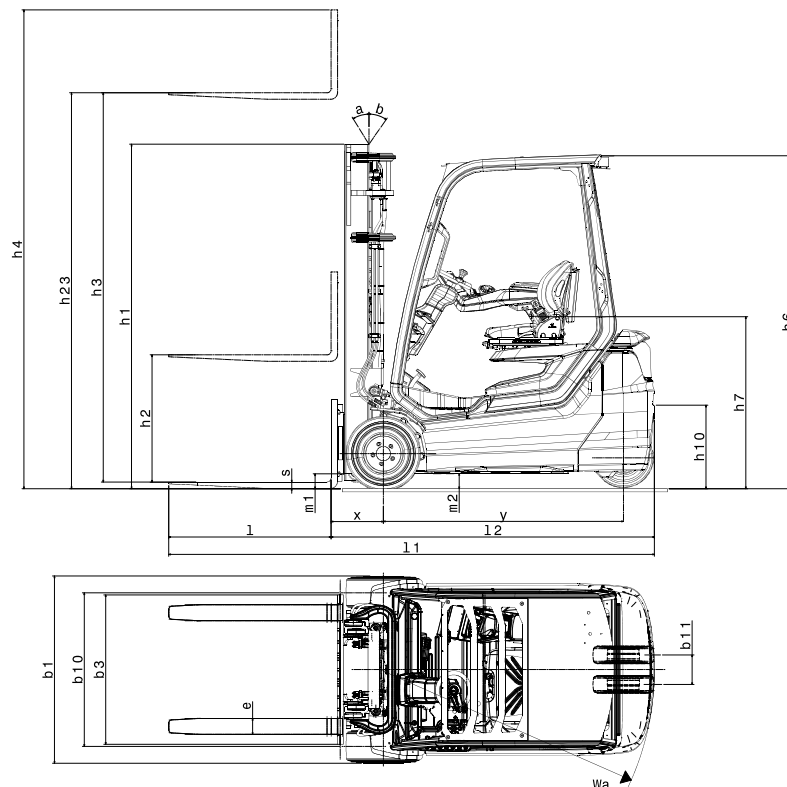
Model		Duplex NFL (V)								Duplex FFL (FV)				Duplex FFL (FW)-IMD				Triplex FFL (FSV)								Triplex FFL (FSW)-IMD							
B3-20/B3-20-Li	Lift height	h ₂₃	3035	3335	3535	3735	4035	4535	5035	3035	3335	3535	3735	3035	3335	3535	3735	4335	4535	4735	5035	5535	6035	6335	4335	4535	4735	5035	5535	6035	6535	7035	7535
	Lift	h ₃	3000	3300	3500	3700	4000	4500	5000	3000	3300	3500	3700	3000	3300	3500	3700	4300	4500	4700	5000	5500	6000	6300	4300	4500	4700	5000	5500	6000	6500	7000	7500
	Height, mast lowered	h ₁	1970	2120	2220	2380	2570	2820	3070	1970	2120	2220	2380	2000	2150	2250	2350	1970	2040	2120	2220	2380	2570	2720	1970	2040	2120	2220	2380	2570	2820	3070	3320
	Height, mast extended ¹⁾	h ₄	3570	3870	4070	4270	4570	5070	5570	3580	3880	4080	4280	3555	3855	4055	4255	4845	5045	5245	5545	6045	6545	6845	4845	5045	5245	5545	6045	6545	7045	7545	8045
	Height, mast extended ²⁾	h ₄	4220	4520	4720	4920	5220	5720	6220	4220	4520	4720	4920	4220	4520	4720	4920	5520	5720	5920	6220	6720	7220	7520	5520	5720	5920	6220	6720	7220	7720	8220	8720
	Free lift, without load backrest	h ₂	80	80	80	80	80	80	80	1430	1580	1680	1840	1440	1590	1690	1790	1460	1530	1610	1710	1870	2060	2250	1460	1530	1610	1710	1870	2060	2250	2450	2650
	Free lift, with load backrest	h ₂	80	80	80	80	80	80	80	750	900	1000	1160	780	930	1030	1130	750	820	900	1000	1160	1350	1540	760	830	930	1030	1230	1380	1580	1780	1980

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm.

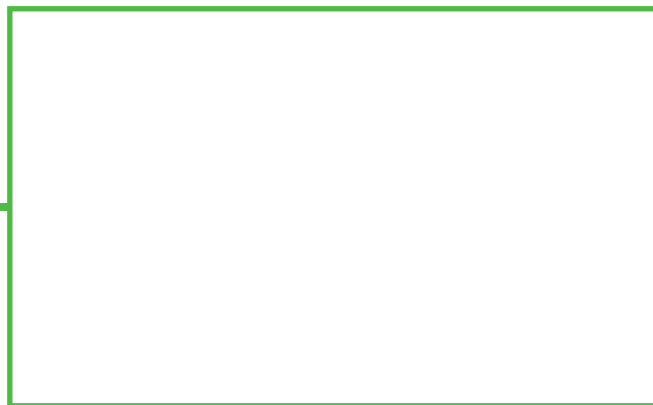
Pneumatic shaped cushion tyre			Duplex NFL (V)								Duplex FFL (FV)				Duplex FFL (FW)-IMD				Triplex FFL (FSV)								Triplex FFL (FSW)-IMD							
B3-20 B3-20-Li	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	Tilt range, backward	deg	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	5	5	7(5)	7(5)	7(5)	7(5)	7(5)	5	5	5	5	5	5		
	Load capacity at 500 mm LC	kg	2000	2000	2000	2000	2000	2000	1900	2000	2000	2000	2000	2000	2000	2000	2000	1950	1950	1900	1800	1650	1525	1950	1950	1900	1900	1900	1800	1250	950	750		
B3-20-Li	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	Tilt range, backward	deg	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	7(5)	5	5	7(5)	7(5)	7(5)	7(5)	7(5)	5	5	5	5	5	5		
	Load capacity at 500 mm LC	kg	2000	2000	2000	2000	2000	2000	1900	2000	2000	2000	2000	2000	2000	2000	2000	1950	1950	1900	1800	1650	1530	1950	1950	1900	1900	1900	1800	1370	1050	750		

Data in () are for when "Cabin Series" is selected (minimum front windshield).



Standard equipments

- Cesab ISD (Intelligent Stability Design)
- StaminaTune from Cesab
- Wet disc brakes
- Automatic parking brake
- Electric new design steering and telescopic column
- Operator presence sensing system (OPS)
- ORS seat (Operator Restraint System)
- Seat mounted minilevers
- Wide visible mast (V3300 mm)
- Long forks (length:1000 mm)
- Long forkbar (length: 920 mm)
- 3 way valves (A400)
- Narrow brake pedal
- Pneumatic shaped cushion tyres
- Digital Multifunction display with wheel indicator
- Adjustable tilt steering column
- Full floating driver's compartment
- Shockless landing lift
- Seatbelt lock recognition linked with OPS
- Orange seatbelt
- Battery door opening sensor (not available for Li-models)
- Remaining operating time indicator on main display



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