



The automobile-style dashboard has main function indicator lights plus warning signals for operating faults and major component wear. An indicator shows the position of the rear wheels.



With its low centre of gravity, the very stable three wheels design utilises two independent high power front wheel traction AC motors to form an electronic differential which allows it to work in the tightest spaces.



The proportional electronic controls integrated in the new (optional) armrest enable the operator to manage all the hydraulic functions by simply moving the Mini-Joystick or Fingertips levers.



High visibility and stability. The position of the uprights, which are widely spaced, guarantees excellent visibility and at the same time gives a rigid structure even at great height.

At Your Local Dealer

Options

Electronic Fingertips / Mini-Joystick controls fitted on the armrest.
Foldable armrests to further increase the comfort and ergonomics of the driver.
Pedal drive control.
Canvas cab (front/top/rear = glass, sides canvas) included windshield wiper.
Complete cab with or without heating with windshield wiper.
Anti-corrosive version.

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Blitz 3R

The new CESAB BLITZ 3R AC Technology, front wheel drive is designed for maximum manoeuvrability. The range comprises models with lifting capacity from 1200 to 2000 Kg and lifting height up to 7000 mm. The BLITZ 3R AC Technology, L version, allows a larger battery and enables continuous operation.



New range of three wheels electric counterbalanced trucks from 1200 to 2000 Kg

CAN-Bus system AC-Technology

AC Technology means exceptional performance levels, combined with reduced energy consumption and lower service and maintenance requirements, due to fewer components and to the absence of major wear items such as carbon brushes and traditional contactors.

The ergonomic cab features the highest standards in operator's comfort, safety and ease of access. The height of the overhead guard is only 1950 mm, which is less than most containers.

Various drive programmes can be selected by simply pressing the push-buttons on the steering column. The operator can choose between three different drive programmes: L (low) - H (high) and P (programmable) as well as an additional reduced speed setting.

The AC controller can be used to programme and customize the parameters of the various functions: braking, traction, lift acceleration and minimum acceleration threshold.

The CAN-Bus simplifies the electrical system by reducing wiring and increases the flexibility of the truck control system.

The use of oil wet brakes not only ensures effective braking, but also allows a significant reduction in maintenance costs.

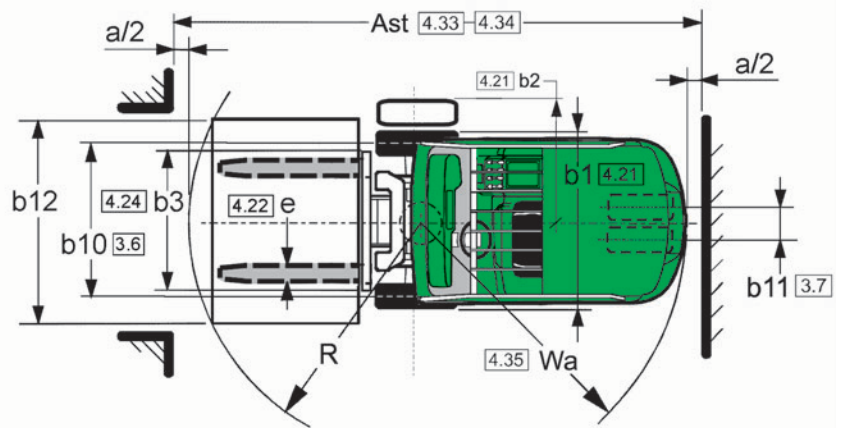
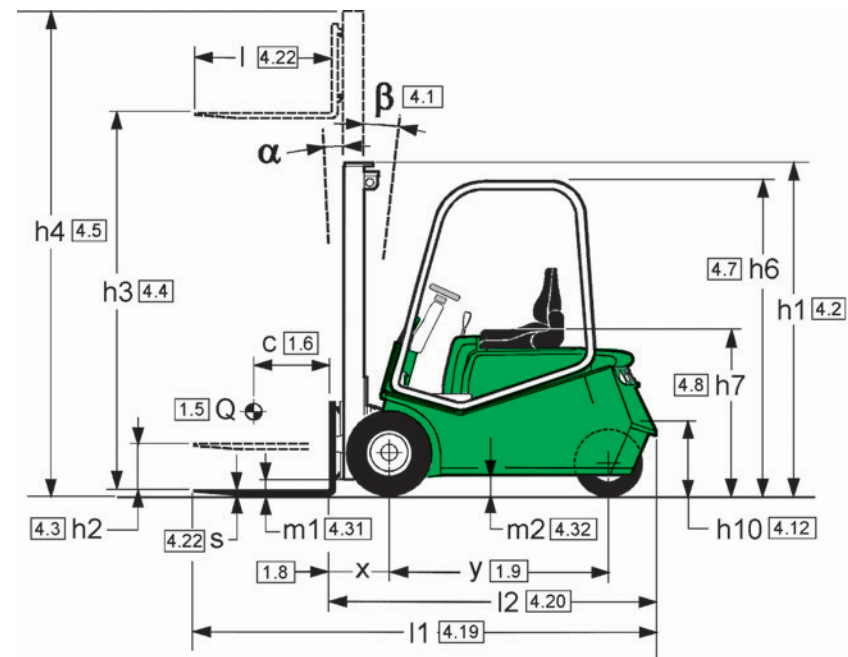


VDI 2198

Characteristics	1.1	Manufacturer	CESAB	CESAB	CESAB	CESAB	CESAB	CESAB	CESAB
	1.2	Model designation	BLITZ 312	BLITZ 315	BLITZ 316	BLITZ 318	BLITZ 316L	BLITZ 318L	BLITZ 320
	1.3	Power unit: electric (battery), diesel, petrol, LPG	electric	electric	electric	electric	electric	electric	electric
	1.4	Operation: manual, pedestrian, stand-on, driver seated	driver seated	driver seated	driver seated	driver seated	driver seated	driver seated	driver seated
	1.5	Load capacity Q (kg)	1200	1500	1600	1800	1600	1800	2000
	1.6	Load centre c (mm)	500	500	500	500	500	500	500
	1.8	Axle centre to fork face x (mm)	365.5 (a)	365.5 (a)	365.5 (a)	365.5 (a)	365.5 (a)	365.5 (a)	365.5 (a)
	1.9	Wheel-base y (mm)	1300	1300	1410	1410	1542	1542	1542
	1.9	Wheel-base y (mm)	1300	1300	1410	1410	1542	1542	1542
Weights	2.1	Weight kg	2960	3190	3230	3375	3335	3440	3565
	2.2	Axle load with load, front/rear kg	3685 / 475	4200 / 490	4370 / 460	4695 / 480	4355 / 580	4690 / 550	4985 / 580
	2.3	Axle load without load, front/rear kg	1675 / 1285	1680 / 1510	1740 / 1490	1770 / 1605	1845 / 1490	1860 / 1580	1850 / 1715
Wheels and chassis	3.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin	C - SE - PN (b)	C - SE - PN (b)	C - SE - PN (b)	C - SE	C - SE - PN (b)	C - SE	C - SE
	3.2	Tyre size, front	432x152 - 18x7.8 - 18x7.8	432x152 - 18x7.8 - 18x7.8	432x152 - 18x7.8 - 18x7.8	457x178 - 200/50-10	432x152 - 18x7.8 - 18x7.8	457x178 - 200/50-10	457x178 - 200/50-10
	3.3	Tyre size, rear	381x127 - 16x6.8	381x127 - 16x6.8	381x127 - 16x6.8	381x127 - 16x6.8	381x127 - 16x6.8	381x127 - 16x6.8	381x127 - 16x6.8
	3.5	Wheels, number front/rear (x = driven)	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
	3.6	Track width, front b10 (mm)	839 - 851 - 851	839 - 851 - 851	839 - 851 - 851	828 - 861	839 - 851 - 851	828 - 861	828 - 861
	3.7	Track width, rear b11 (mm)	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229
	3.7	Track width, rear b11 (mm)	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229	199 - 229
Dimensions	4.1	Mast tilt, forward/backward α / β (degrees)	2°30' / 6°	2°30' / 6°	2°30' / 6°	2°30' / 6°	2°30' / 6°	2°30' / 6°	2°30' / 6°
	4.2	Height of mast, lowered h1 (mm)	2160	2160	2160	2160	2160	2160	2160
	4.3	Free lift h2 (mm)	80	80	80	80	80	80	80
	4.4	Lift height h3 (mm)	3170	3170	3170	3170	3170	3170	3170
	4.5	Height of mast, extended h4 (mm)	3720	3720	3720	3720	3720	3720	3720
	4.7	Height of overhead guard h6 (mm)	1950	1950	1950	1950	1950	1950	1950
	4.8	Height of driver's seat h7 (mm)	888	888	888	888	888	888	888
	4.12	Towing coupling height h10 (mm)	630	630	630	630	630	630	630
	4.19	Overall length l1 (mm)	2880 (a)	2920 (a)	2990 (a)	3030 (a)	3122 (a)	3122 (a)	3162 (a)
	4.20	Length to fork face l2 (mm)	1880 (a)	1920 (a)	1990 (a)	2030 (a)	2122 (a)	2122 (a)	2162 (a)
	4.21	Overall width b1/b2 (mm)	990 - 1003 - 1003	990 - 1003 - 1003	990 - 1003 - 1003	1006 - 1066 / NO	990 - 1003 - 1003 / NO	1006 - 1066 / NO	1006 - 1066 / NO
	4.22	Fork dimensions s/e/l (mm)	35 x 100 x 1000	35 x 100 x 1000	35 x 100 x 1000	35 x 130 x 1000	35 x 100 x 1000	35 x 130 x 1000	35 x 130 x 1000
	4.23	Fork carriage to DIN 15173, class/form A, B	II A	II A	II A	II A	II A	II A	II A
	4.24	Width of fork carriage b3 (mm)	900	900	900	900	900	900	900
	4.31	Floor clearance, mast (with load) m1 (mm)	100	100	100	100	100	100	100
	4.32	Floor clearance, centre of wheel-base (with load) m2 (mm)	90	90	90	90	90	90	90
	4.33	Aisle width with pallets 1000 x 1200 across forks Ast (mm)	3208	3248	3318	3358	3450	3450	3490
	4.34	Aisle width with pallets 800 x 1200 along forks Ast (mm)	3332	3372	3442	3482	3574	3574	3614
	4.35	Turning radius Wa (mm)	1517	1557	1627	1667	1759	1759	1799
	4.36	Minimum distance between the centres of rotation b13 (mm)	—	—	—	—	—	—	—
Performance	5.1	Travel speed, with/without load km/h	14.5 / 14.5	14.5 / 14.5	14.5 / 14.5	14.5 / 14.5	14.5 / 14.5	14.5 / 14.5	14.5 / 14.5
	5.2	Lifting speed, with/without load m/s	0.35 / 0.54	0.34 / 0.54	0.34 / 0.54	0.33 / 0.54	0.34 / 0.54	0.33 / 0.54	0.32 / 0.54
	5.3	Lowering speed, with/without load m/s	0.55 / 0.50	0.55 / 0.50	0.55 / 0.50	0.55 / 0.50	0.55 / 0.50	0.55 / 0.50	0.55 / 0.50
	5.5	Tractive force, with/without load N	2900 / 3140	2840 / 3140	2820 / 3140	2780 / 3140	2820 / 3140	2780 / 3140	2740 / 3140
	5.6	Maximum tractive force, with/without load, S2 5 minute rating N	8760 / 9000	8700 / 9000	8680 / 9000	8640 / 9000	8680 / 9000	8640 / 9000	8620 / 9000
	5.7	Climbing ability, with/without load, S2 30 minute rating %	7 / 10.6	6 / 9.7	5.7 / 9.6	5.2 / 9.1	6.1 / 10.1	5.1 / 8.9	4.7 / 8.5
	5.8	Maximum climbing ability, with/without load, S2 5 minute rating %	21 / 30	18 / 28	17.5 / 28	16 / 26.5	17 / 27	16 / 26	15 / 25
	5.9	Acceleration time, with/without load s	—	—	—	—	—	—	—
	5.10	Service brake: mechanical / hydraulic / electric / pneumatic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
	5.10	Service brake: mechanical / hydraulic / electric / pneumatic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Electric motor	6.1	Drive motor, S2 60 minute rating kW	4.5 x 2	4.5 x 2	4.5 x 2	4.5 x 2	4.5 x 2	4.5 x 2	4.5 x 2
	6.2	Lift motor, S3 15% rating kW	10	10	10	10	10	10	10
	6.3	Battery according to DIN 43531/35/36 A, B, C, NO	—	—	—	—	—	—	—
	6.4	Battery voltage/rated capacity (5 h) V/Ah	48 / 420 - 500	48 / 420 - 500	48 / 525 - 625	48 / 525 - 625	48 / 630 - 750	48 / 630 - 750	48 / 630 - 750
	6.5	Battery weight kg	775	775	920	920	1090	1090	1090
	6.6	Energy consumption in acc. with VDI-cycle kWh/h	—	—	—	—	—	—	—
Others	8.1	Type of drive control	AC MOSFET	AC MOSFET	AC MOSFET	AC MOSFET	AC MOSFET	AC MOSFET	AC MOSFET
	8.2	Working pressure for attachments bar	140	140	140	140	140	140	140
	8.3	Oil flow for attachments l/min	—	—	—	—	—	—	—
	8.4	Noise level at driver's ear dB (A)	—	—	—	—	—	—	—
	8.5	Towing coupling, design/type DIN	—	—	—	—	—	—	—
	8.5	Towing coupling, design/type DIN	—	—	—	—	—	—	—

(a) With side shift = +34 mm (b) PN only available with front tyres

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.



Masts specifications (1200 – 2000 Kg)										
Mast,	mm	Duplex					Duplex FFL			
		2970	3170	3670	4170	4670	2840	3170	3670	4170
h3	Lift height	2060	2160	2410	2660	2910	1990	2160	2410	2660
h1	Height of mast, lowered	80	80	80	80	80	1410	1580	1830	2080
h2	Free lift	3520	3720	4220	4720	5220	3420	3750	4250	4750
h4	Height of mast, extended	—	—	—	—	—	—	—	—	—
α / β	Mast tilt forward/backward	2°30' / 6°					2°30' / 6°			

Masts specifications (1200 – 2000 Kg)										
Mast,	mm	Triplex					Triplex FFL			
		4320	4965	5565	6165	6570	4270	4470	4970	5570
h3	Lift height	2010	2260	2460	2710	2860	1990	2060	2260	2460
h1	Height of mast, lowered	0	0	0	0	0	1410	1480	1680	1880
h2	Free lift	4900	5570	6170	6820	7240	4850	5050	5550	6150
h4	Height of mast, extended	—	—	—	—	—	—	—	—	—
α / β	Mast tilt forward/backward	2°30' / 6°					2°30' / 6°			