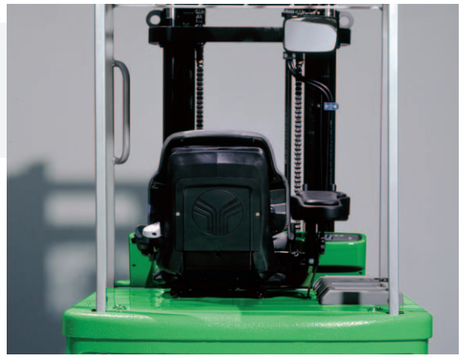
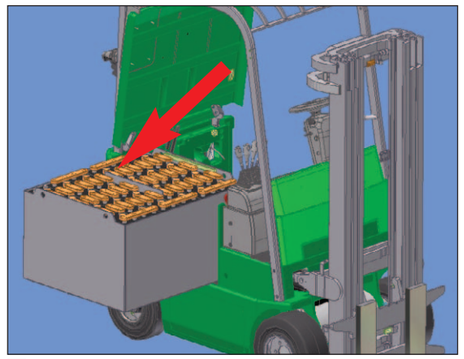


The ergonomic cab features the highest standards in operator comfort, safety and ease of access. The proportional electronic controls integrated in the new (optional) armrest enable the operator to manage all the hydraulic functions by simply moving the Mini-Joystick or Fingertips levers.

The cenTAURO range is available with new-concept 2 or 3 stage masts. The high visibility masts offer excellent visibility thanks to the placing of the lifting cylinders, in line with the mast profiles.



The optional lateral battery extraction allows battery change times to be minimised, optimising the truck's productivity.

Options

Electronic Fingertips / Mini-Joystick controls fitted on the armrest.
Foldable armrests.
Lateral battery extraction.
Cab.
Working lights.

At Your Local Dealer

Cesab Ltd:
Unit 6, Bevan Way, Smethwick, Warley, West Midlands, B66 1BZ
Tel. +44 (0) 121 5556116 - Fax +44 (0) 121 5650414
e-mail: sales@cesab.net

Cesab Carrelli Elevatori Spa
Via Persicetana Vecchia, 10 - 40132 Bologna (Italy)
Tel. +39 051 20.54.11 - Fax +39 051 72.80.07
website: www.cesab-forklifts.com - e-mail: cesab@cesab.it

CESAB MOTION TECHNOLOGY

03/06 - 0342062 - btsadv.com

ARC-0035-03/06

cenTAURO 80 250 300

The new CESAB cenTAURO 80 250 300 AC Technology range is an extremely compact four wheel truck combining excellent manoeuvrability with all the advantages of AC motor control technology. The range comprises models with lifting capacities from 2500 Kg to 3000 Kg and lift heights up to 6100 mm.

Compact electric counterbalanced trucks

Easy to handle, great visibility in use

AC Technology

Lifting and hydraulic functions are powerful and progressive thanks to a high power AC hydraulic pump motor enabling frequent lifting to high levels.

AC technology utilises components that are designed to cope with rapid direction changes ensuring smooth acceleration and braking and outstanding efficiency. AC technology also provides exceptional driver control on ramps and gradients with electronic braking eliminating roll back without the need for engaging the brakes. The CAN-BUS system simplifies the electrical system by significantly reducing the wiring and increases the flexibility of the truck control system. Low power consumption and the capability for using high capacity batteries gives the range exceptional autonomy of operation.

The new concept steering axle makes acute steering angles possible and is mounted on silent blocks for improved operator comfort and quieter operation.

Operator comfort is maximised with the standard fitment of a fully adjustable, full suspension seat together with an adjustable steering column. The park brake lever is within easy reach and the raised driving position provides the operator with excellent visibility of the load and the area around the truck for safe manoeuvring.

The AC drive technology also comes into effect during braking, increasing the lifetime of components and considerably reducing braking system servicing costs.

CESAB MOTION TECHNOLOGY

cenTAURO 80 250 300

VDI 2198

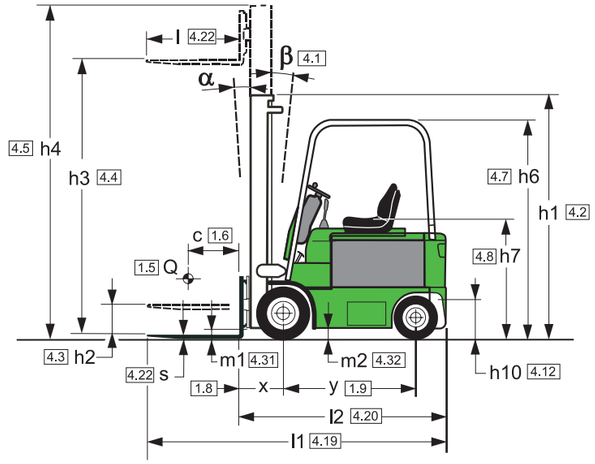
Characteristics	1.1	Manufacturer		CESAB	CESAB
	1.2	Model designation		**CenTAURO 80 250**	**CenTAURO 80 300**
	1.3	Power unit: electric (battery), diesel, petrol, LPG		electric	electric
	1.4	Operation: manual, pedestrian, stand-on, driver seated		driver seated	driver seated
	1.5	Load capacity	Q (kg)	2500	3000
	1.6	Load centre	c (mm)	500	500
	1.8	Axle centre to fork face	x (mm)	442 (a)	447 (a)
	1.9	Wheel-base	y (mm)	1390	1540
Weights	2.1	Weight	kg	4830	5310
	2.2	Axle load with load, front/rear	kg	6350 / 980	7490 / 820
	2.3	Axle load without load, front/rear	kg	2175 / 2655	2575 / 2735
Wheels and chassis	3.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin		C - SE - PN - SETW - PNTW	C - SE
	3.2	Tyre size, front		559x203 - 23x9-10 - 23x9-10 - 6.50-10 - 6.50-10	559x229 - 23x10-12
	3.3	Tyre size, rear		457x152 - 18x7-8 - 18x7-8 / NO - NO	457x152 - 18x7-8 - NO
	3.5	Wheels, number front/rear (x = driven)		2x-4x / 2	2x-4x / 2
	3.6	Track width, front	b10 (mm)	929 - 938 - 938 - 1175 - 1175	911 - 940
	3.7	Track width, rear	b11 (mm)	852 - 860 - 860 / NO - NO	852 - 860 / NO
Dimensions	4.1	Mast tilt, forward/backward	α / β (degrees)	2° 30' / 6°	2° 30' / 6°
	4.2	Height of mast, lowered	h1 (mm)	2225	2225
	4.3	Free lift	h2 (mm)	–	–
	4.4	Lift height	h3 (mm)	3160	3160
	4.5	Height of mast, extended	h4 (mm)	3829	3833
	4.7	Height of overhead guard	h6 (mm)	2307	2307
	4.8	Height of driver's seat	h7 (mm)	1231	1231
	4.12	Towing coupling height	h10 (mm)	415	415
	4.19	Overall length	l1 (mm)	3152	3307
	4.20	Length to fork face	l2 (mm)	2152 (a)	2307 (a)
	4.21	Overall width	b1/b2 (mm)	1112 - 1145 - 1145 / 1490 - 1490	1140 - 1188 / NO
	4.22	Fork dimensions	s/e/l (mm)	40 x 120 x 1000	45 x 120 x 1000
	4.23	Fork carriage to DIN 15173, class/form A, B		II A	III A
	4.24	Width of fork carriage	b3 (mm)	–	–
	4.31	Floor clearance, mast (with load)	m1 (mm)	103	106
	4.32	Floor clearance, centre of wheel-base (with load)	m2 (mm)	116	116
	4.33	Aisle width with pallets 1000 x 1200 across forks	Ast (mm)	3552 (a)	3696 (a)
	4.34	Aisle width with pallets 800 x 1200 along forks	Ast (mm)	3749 (a)	3894 (a)
	4.35	Turning radius	Wa (mm)	1907	2047
	4.36	Minimum distance between the centres of rotation	b13 (mm)	–	–
Performance	5.1	Travel speed, with/without load	km/h	16 / 16.5	15.5 / 16.5
	5.2	Lifting speed, with/without load	m/s	0.34 / 0.47	0.32 / 0.47
	5.3	Lowering speed, with/without load	m/s	< 0.60	< 0.60
	5.5	Tractive force, with/without load	N	6700 / 7100	6400 / 7000
	5.6	Maximum tractive force, with/without load, S2 5 minute rating	N	12200 / 12700	12000 / 12600
	5.7	Climbing ability, with/without load, S2 30 minute rating	%	7.6 / 10	6.6 / 9.4
	5.8	Maximum climbing ability, with/without load, S2 5 minute rating	%	15.2 / 22.8	13.6 / 20.3
	5.9	Acceleration time, with/without load	s	–	–
	5.10	Service brake: mechanical/hydraulic/electric/pneumatic		hydraulic	hydraulic
Electric motor	6.1	Drive motor, S2 60 minute rating	kW	14	14
	6.2	Lift motor, S3 15% rating	kW	14	14
	6.3	Battery according to DIN 43531/35/36 A, B, C, NO		NO	NO
	6.4	Battery voltage/rated capacity (5 h)	V/Ah	80 / 540 - 630	80 / 665 - 735
	6.5	Battery weight	kg	1653	1904
	6.6	Energy consumption in acc. with VDI-cycle	kWh/h	–	–
Others	8.1	Type of drive control		AC MOSFET	AC MOSFET
	8.2	Working pressure for attachments	bar	150	150
	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		–	–

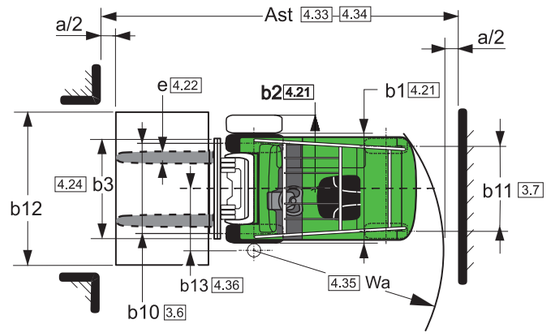
(**a**) With side shift = +34 mm

Excellent access to the driving seat, assisted by the large, conveniently located step with non-slip knurled aluminium tread.

The new concept steering axle makes acute steering angles possible and is mounted on silent blocks for improved operator comfort and quieter operation.

The electronic control unit, which is installed in the protected internal compartment, enables immediate access for programming and diagnostics. The truck performance characteristics can be adjusted to suit the working application and individual drivers needs.





Masts specifications (2500 Kg)

Mast,	mm	Duplex			Duplex FFL		
h3	**Lift height**	**3160**	**3660**	**4160**	**3160**	**3660**	**4160**
h1	Height of mast, lowered	2225	2475	2725	2225	2475	2725
h2	Free lift	0	0	0	1556	1806	2056
h4	Height of mast, extended	3829	4329	4829	3829	4329	4829
α / β	Mast tilt forward/backward	2° 30' / 6°			2° 30' / 6°		

Masts specifications (2500 Kg)

Mast,	mm	Triplex			Triplex FFL		
h3	**Lift height**	**4965**	**5565**	**6060**	**4960**	**5560**	**6060**
h1	Height of mast, lowered	2325	2525	2725	2325	2525	2725
h2	Free lift	0	0	0	1656	1856	2056
h4	Height of mast, extended	5635	6235	6765	5629	6226	6729
α / β	Mast tilt forward/backward	2° 30' / 6°			2° 30' / 6°		

Masts specifications (3000 Kg)

Mast,	mm	Duplex			Duplex FFL		
h3	**Lift height**	**3160**	**3660**	**4160**	**3160**	**3660**	**4160**
h1	Height of mast, lowered	2225	2475	2725	2225	2475	2725
h2	Free lift	0	0	0	1552	1802	2052
h4	Height of mast, extended	3833	4333	4833	3833	4333	4833
α / β	Mast tilt forward/backward	2° 30' / 6°			2° 30' / 6°		

Masts specifications (3000 Kg)

Mast,	mm	Triplex			Triplex FFL		
h3	**Lift height**	**4965**	**5565**	**6060**	**4960**	**5560**	**6060**
h1	Height of mast, lowered	2325	2525	2725	2325	2525	2725
h2	Free lift	0	0	0	1652	1852	2052
h4	Height of mast, extended	5638	6238	6765	5633	6233	6733
α / β	Mast tilt forward/backward	2° 30' / 6°			2° 30' / 6°		

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.