



Large diameter wheels front and rear ensure comfort and stability and tyre life is maximised.



The powerful and reliable John Deere engine guarantees a high torque at low engine revolutions. Both these characteristics ensure low vibration and noise level.



Space for the operator. The cab provides wide space to the driver and a clear view when manoeuvring. The truck may be fitted with pedal direction control to suit all driving styles.



Reduced maintenance for the no-wear-oil-immersed brakes.

At Your Local Dealer

Options

- Balanced pedal direction control.
- Complete cab, with or without heating.
- Working lights.
- Integrated sideshift.
- Cyclon pre-filter for dusty environment.
- Catalytic exhaust.
- Twin wheels.

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Drago 400 450 500

The CESAB DRAGO 400 450 500 are powerful and reliable high performance counterbalance fork lift trucks. With extreme strength built into every load-bearing component, the design features electronically-controlled hydrostatic transmission utilizing twin hydrostatic motors. The range comprises models with lifting capacity from 4000 to 4900 Kg and lifting height up to 6120 mm.

A quiet counterbalance fork lift truck with reduced fuel consumption from the latest generation diesel engines.

Ergonomically designed controls. The push-button controlled parking brake and the emergency switch are within easy reach of the driver. The ample storage compartment is a particularly useful feature. Fully adjustable steering wheel in both height and angle, designed to create the ideal driving position.

Improved visibility and stability. Clear-view mast with high torsional rigidity to allow safe handling of loads of all sizes. Remote positioning of the tilt cylinder mountings provides excellent visibility and structural rigidity, even with the forks fully raised.

Perfect interaction between hydrostatic transmission, engine and hydraulics: the performance of the truck can be modified to match the requirements of the operator. Automatic engine acceleration on lifting is standard.

High efficient cooling system. The special construction technology and the optimum dimensions of the radiator ensure cooling system efficiency even in the most severe ambient conditions.

Maximum reliability. Whenever the accelerator pedal is released and the truck is stationary the brakes are applied holding the truck in position, whether on level ground or on ramps.

IC counterbalanced trucks

Robust and powerful. Low cost of ownership

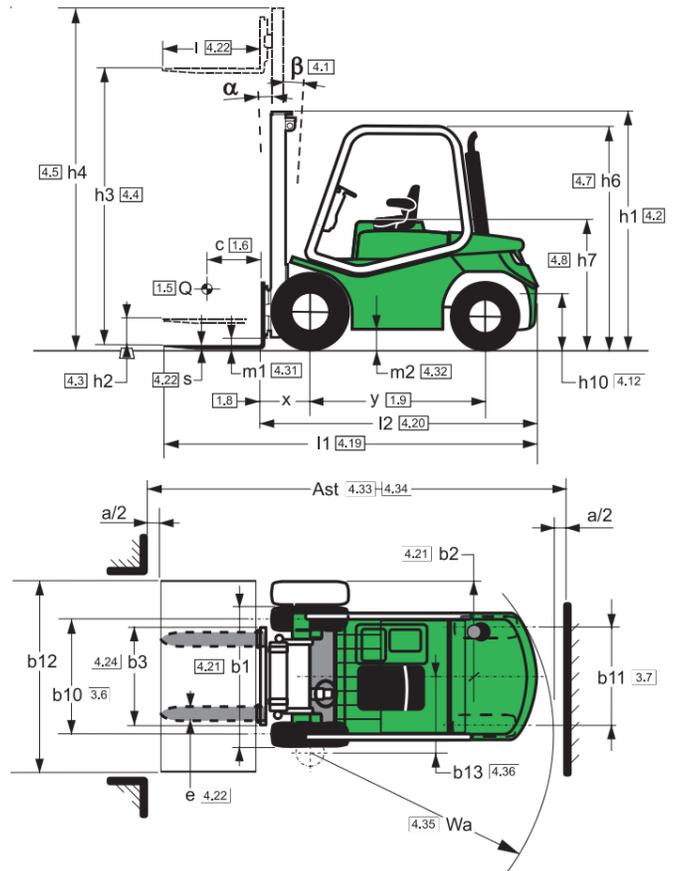
Electronically-controlled hydrostatic transmission



VDI 2198

		CESAB		CESAB		CESAB
Characteristics	1.1	Manufacturer		CESAB		CESAB
	1.2	Model designation		DRAGO 400		DRAGO 450
	1.3	Power unit: electric (battery), diesel, petrol, LPG		diesel		diesel
	1.4	Operation: manual, pedestrian, stand-on, driver seated		driver seated		driver seated
	1.5	Load capacity	Q (kg)	4000		4500
	1.6	Load centre	c (mm)	500		500
	1.8	Axle centre to fork face	x (mm)	509 (a)		509 (a)
	1.9	Wheel-base	y (mm)	1900		1900
	1.9	Wheel-base	y (mm)	1900		1900
Weights	2.1	Weight	kg	6250		7000
	2.2	Axle load with load, front/rear	kg	9175 / 1075		10890 / 1010
	2.3	Axle load without load, front/rear	kg	3050 / 3200		3120 / 3880
Wheels and chassis	3.1	Tyres: C=Cushion, SE=Superelastic, PN=Pneumatic, TW=Twin		SE - PN - SE.TW - PN.TW		SE - PN - SE.TW - PN.TW
	3.2	Tyre size, front		250-15 - 250-15 - 7.00-15 - 7.00-15		250-15 - 250-15 - 7.00-15 - 7.00-15
	3.3	Tyre size, rear		250-15 - 250-15 - NO - NO		250-15 - 250-15 - NO - NO
	3.5	Wheels, number front/rear (x = driven)		2x- 4x / 2		2x- 4x / 2
	3.6	Track width, front	b10 (mm)	1186 - 1186 - 1422 - 1422		1186 - 1186 - 1422 - 1422
	3.7	Track width, rear	b11 (mm)	1110		1110
	3.7	Track width, rear	b11 (mm)	1110		1110
Dimensions	4.1	Mast tilt, forward/backward	α / β (degrees)	5° / 10°		5° / 10°
	4.2	Height of mast, lowered	h1 (mm)	2400		2450
	4.3	Free lift	h2 (mm)	100		100
	4.4	Lift height	h3 (mm)	3150		3150
	4.5	Height of mast, extended	h4 (mm)	3948		3991
	4.7	Height of overhead guard	h6 (mm)	2480		2530
	4.8	Height of driver's seat	h7 (mm)	1328		1378
	4.12	Towing coupling height	h10 (mm)	500		550
	4.19	Overall length	l1 (mm)	3894 (a)		3954 (a)
	4.20	Length to fork face	l2 (mm)	2894 (a)		2954 (a)
	4.21	Overall width	b1/b2 (mm)	1410 / 1848		1410 / 1848
	4.22	Fork dimensions	s/e/l (mm)	50 x 150 x 1000		50 x 150 x 1000
	4.23	Fork carriage to DIN 15173, class/form A, B		III A		III A
	4.24	Width of fork carriage	b3 (mm)	1200		1200
	4.31	Floor clearance, mast (with load)	m1 (mm)	150		150
	4.32	Floor clearance, centre of wheel-base (with load)	m2 (mm)	160		210
4.33	Aisle width with pallets 1000 x 1200 across forks	Ast (mm)	4417 (a)		4466 (a)	
4.34	Aisle width with pallets 800 x 1200 along forks	Ast (mm)	4617 (a)		4666 (a)	
4.35	Turning radius	Wa (mm)	2708		2757	
4.36	Minimum distance between the centres of rotation	b13 (mm)	-		-	
Performance	5.1	Travel speed, with/without load	km/h	18 / 18		19 / 19
	5.2	Lifting speed, with/without load	m/s	0.50 / 0.55		0.46 / 0.55
	5.3	Lowering speed, with/without load	m/s	< 0.60		< 0.60
	5.5	Tractive force, with/without load	N	28000 / 25000		27000 / 25000
	5.7	Climbing ability, with/without load	%	26 / 23		24 / 23
	5.9	Acceleration time, with/without load	s	-		-
	5.10	Service brake: mechanical/hydraulic/electric/pneumatic		hydraulic		hydraulic
Drive	7.1	Engine manufacturer/type		John Deere 4045D		John Deere 4045D
	7.2	Engine performance	kW	56		56
	7.3	Rated speed	min ⁻¹	2100		2100
	7.4	Number of cylinders/displacement	cm ³	4 / 4500		4 / 4500
	7.5	Fuel consumption VDI-cycle	l/h; kg/h	-		-
Others	8.1	Type of drive control		stepless hydrostatic		stepless hydrostatic
	8.2	Working pressure for attachments	bar	180		180
	8.3	Oil flow for attachments	l/min	-		-
	8.4	Noise level at driver's ear	dB (A)	81		81
	8.5	Towing coupling, design/type DIN		-		-

(a) with sideshift = + 32 mm (b) with sideshift = + 34 mm



Masts specifications (4000 - 4500 Kg)

Mast	mm	Duplex		Duplex FFL		
h3	Lift height	3150	3650	3150	3650	4150
h1	Height of mast, lowered	2400	2650	2400	2650	2900
h2	Free lift	100	100	1552	1802	2052
h4	Height of mast, extended	3948	4448	3998	4498	4998
α / β	Mast tilt forward/backward	5° / 10°		5° / 8°		

Masts specifications (4000 - 4500 Kg)

Mast	mm	Triplex			Triplex FFL		
h3	Lift height	4950	5550	6060	4300	4950	6050
h1	Height of mast, lowered	2500	2700	2900	2285	2500	2700
h2	Free lift	75	75	75	1442	1657	1857
h4	Height of mast, extended	5750	6350	6890	5143	5793	6393
α / β	Mast tilt forward/backward	5° / 8°			5° / 8°		

Masts specifications (5000 Kg)

Mast	mm	Duplex		Duplex FFL		
h3	Lift height	3150	3650	3150	3650	4150
h1	Height of mast, lowered	2450	2700	2450	2700	3000
h2	Free lift	100	100	1552	1802	2052
h4	Height of mast, extended	3991	4491	4048	4548	5048
α / β	Mast tilt forward/backward	5° / 10°		5° / 8°		

Masts specifications (5000 Kg)

Mast	mm	Triplex			Triplex FFL		
h3	Corsa di sollevamento	4950	5550	6060	4300	4950	6050
h1	Height of mast, lowered	2550	2750	2950	2335	2550	2750
h2	Free lift	75	75	75	1442	1657	1857
h4	Height of mast, extended	5820	6420	6960	5193	5843	6443
α / β	Mast tilt forward/backward	5° / 8°			5° / 8°		