



**E**rgonomically designed controls. The rotating-switch controlled parking brake is within easy reach of the driver. The new steering column is inclined towards the operator and easily adjustable for increased driving comfort.



**T**he wheels – which are among the largest in this class of trucks – guarantee load stability, operator's comfort and easy manoeuvring on uneven ground. Manoeuvrability is enhanced by a compact steering axle fully protected against the type of accidental impact damage typically associated with outdoor usage.



**T**he hydraulic power steering unit is installed underneath the platform, giving simpler connections and quieter operation. The pedals are mounted on the dashboard for easy maintenance.

At Your Local Dealer

## Options

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

### Cesab Ltd:

Unit 10, Regent Park, Booth Drive, Park Farm South, Wellingborough,  
Northamptonshire, NN8 6GR  
Tel. +44 1 933 670 460 - Fax +44 1 933 679 854  
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



# Drago H 250 300 350

The CESAB DRAGO H 250 300 350 are powerful and reliable high performance counterbalance fork lift trucks, featuring hydraulically controlled hydrostatic transmission available in diesel and LPG versions. The range comprises models with lifting capacity from 2500 to 3500 Kg and lifting height up to 6110 mm.

3.3 litre diesel or 2.2 litre LPG low emission engines are available. The LPG version is equipped with an engine specifically developed for lift truck applications.

Perfect interaction between hydrostatic transmission, engine and hydraulics. Automatic engine acceleration on lifting is optional on diesel version and standard on LPG.

The comfortable, ergonomic driving seat is easily accessible thanks to the large, clearly visible step.

The new complete cab, available as an option, is installed inside the profile of the overhead guard. It is equipped, as standard with high-quality panelling, accessories and sound-proofing, lexan roof complete with gutters, sliding windows on both doors and pantograph windscreen-wiper for more effective cleaning.

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. Equipped with integral sideshift as standard.

Increased maintenance and inspection intervals have significant benefits in terms of costs and machine down-times. Minimal maintenance for the no-wear-oil-immersed brakes.

**IC counterbalanced trucks, Diesel and LPG, from 2500 to 3500 Kg**

**Powerful and reliable**

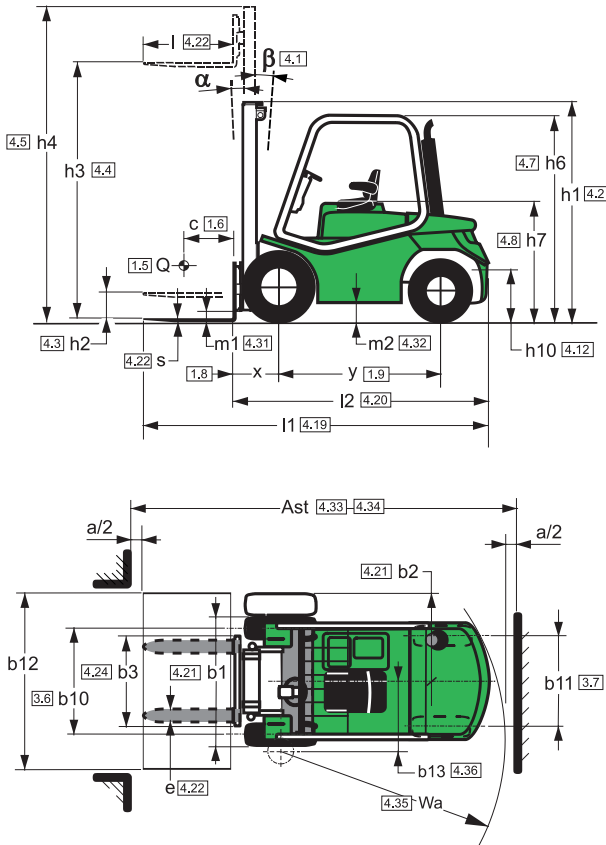
**Hydraulically controlled hydrostatic transmission**



VDI 2198						
Characteristics	1.1	Manufacturer	CESAB		CESAB	
	1.2	Model designation	<b>DRAGO H 250</b>		<b>DRAGO H 300</b>	
	1.3	Power unit: electric (battery), diesel, petrol, LPG	diesel / LPG		diesel / LPG	
	1.4	Operation: manual, pedestrian, stand-on, driver seated	driver seated		driver seated	
	1.5	Load capacity	Q (kg)	2500	3000	3500
	1.6	Load centre	c (mm)	500	500	500
	1.8	Axle centre to fork face	x (mm)	460	465	478
	1.9	Wheel-base	y (mm)	1750	1750	1820
Weights	2.1	Weight	kg	4000 / 3890	4580 / 4470	4940 / 4830
	2.2	Axle load with load, front/rear	kg	5890-610 / 5830-560	6730-850 / 6670-800	7510-930 / 7450-880
	2.3	Axle load without load, front/rear	kg	2010-1990 / 1950-1940	2050-2530 / 1990-2480	2050-2890 / 1990-2840
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	7.00-12 - 7.00-12 - 7.00-12 - 7.00-12		27x10-12 - 27x10-12 - 7.00-12 - 7.00-12	
	3.3	Tyre size, rear	6.50-10 - 6.50-10 - NO - NO		6.50-10 - 6.50-10 - NO - NO	
	3.5	Wheels, number front/rear (x = driven)	2x - 4x / 2		2x - 4x / 2	
	3.6	Track width, front	b10 (mm)	1042 - 1042 / 1153 - 1205	1002 - 1038 / 1153 - 1205	1002 - 1038 / 1153 - 1205
	3.7	Track width, rear	b11 (mm)	1000	1000	1000
Dimensions	4.1	Mast tilt, forward/backward	α / β (degrees)	5° / 9°	5° / 10°	5° / 10°
	4.2	Height of mast, lowered	h1 (mm)	2252	2252	2252
	4.3	Free lift	h2 (mm)	100	100	100
	4.4	Lift height	h3 (mm)	3160	3160	3160
	4.5	Height of mast, extended	h4 (mm)	3805	3833	3838
	4.7	Height of overhead guard	h6 (mm)	2200	2200	2200
	4.8	Height of driver's seat	h7 (mm)	1150	1150	1150
	4.12	Towing coupling height	h10 (mm)	450	450	450
	4.19	Overall length	l1 (mm)	3568	3697	3796
	4.20	Length to fork face	l2 (mm)	2568	2697	2796
	4.21	Overall width	b1/b2 (mm)	1215 - 1250 / 1540 - 1642	1254 - 1313 / 1540-1642	1254 - 1313 / 1540 - 1642
	4.22	Fork dimensions	s/e/l (mm)	40 x 120 x 1000	45 x 120 x 1000	50 x 150 x 1000
	4.23	Fork carriage to DIN 15173, class/form A, B		II A	III A	III A
	4.24	Width of fork carriage	b3 (mm)	1100	1100	1100
	4.31	Floor clearance, mast (with load)	m1 (mm)	152	152	152
	4.32	Floor clearance, centre of wheel-base (with load)	m2 (mm)	170	170	170
	4.33	Aisle width with pallets 1000 x 1200 across forks	Ast (mm)	3911	4022	4305
	4.34	Aisle width with pallets 800 x 1200 along forks	Ast (mm)	4110	4221	4435
	4.35	Turning radius	Wa (mm)	2250	2356	2510
	4.36	Minimum distance between the centres of rotation	b13 (mm)	677	677	693
Performance	5.1	Travel speed, with/without load	km/h	20 / 21	20 / 21	20 / 21
	5.2	Lifting speed, with/without load	m/s	0.49 / 0.51	0.47 / 0.51	0.45 / 0.50
	5.3	Lowering speed, with/without load	m/s	< 0.59	< 0.59	< 0.59
	5.5	Tractive force, with/without load	N	17000 / 16100	17000 / 16400	17000 / 16400
	5.7	Climbing ability, with/without load	%	25 / 31	21 / 28	18 / 26
	5.9	Acceleration time, with/without load	s	–	–	–
	5.10	Service brake: mechanical/hydraulic/electric/pneumatic		hydrostatic	hydrostatic	hydrostatic
Drive	7.1	Engine manufacturer/type		Kubota V3600 / Toyota 4Y	Kubota V3600 / Toyota 4Y	Kubota V3600 / Toyota 4Y
	7.2	Engine performance	kW	44 / 37	44 / 37	44 / 37
	7.3	Rated speed	min <sup>-1</sup>	2200 / 2400	2200 / 2400	2200 / 2400
	7.4	Number of cylinders/displacement	cm³	4-3620 / 4-2237	4-3620 / 4-2237	4-3620 / 4-2237
	7.5	Fuel consumption VDI-cycle	l/h; kg/h	–	–	–
Others	8.1	Type of drive control		stepless hydrostatic	stepless hydrostatic	stepless hydrostatic
	8.2	Working pressure for attachments	bar	180	180	180
	8.3	Oil flow for attachments	l/min	–	–	–
	8.4	Noise level at driver's ear	dB (A)	81 / 79	81 / 79	81 / 79
	8.5	Towing coupling, design/type DIN		–	–	–

(a) with sideshift = + 25 mm    (b) SE

**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. Truck performance and dimensions are nominal and subject to tolerances.



	Masts specifications (2500 Kg)									
Mast	mm	Duplex				Duplex FFL				
h3	Lift height	3160	3660	4160	4960	2930	3160			
h1	Height of mast, lowered	2252	2502	2752	3202	2132	2252			
h2	Free lift	100	100	100	100	1437	1557			
h4	Height of mast, extended	3805	4305	4805	5632	3625	3855			
α / β	Mast tilt forward/backward	5° / 9°				5° / 5°				
	Masts specifications (2500 Kg)									
Mast	mm	Triplex				Triplex FFL				
h3	Lift height	4305	4965	5565	6765	4310	4460	4960	5560	6060
h1	Height of mast, lowered	2132	2352	2552	3052	2132	2182	2352	2552	2752
h2	Free lift	45	45	45	45	1437	1487	1657	1857	2057
h4	Height of mast, extended	4972	5632	6232	7532	5005	5155	5655	6255	6755
α / β	Mast tilt forward/backward	5° / 5°				5° / 7°				
	Masts specifications (3000 – 3500 Kg)									
Mast	mm	Duplex				Duplex FFL				
h3	Lift height	3160	3660	4160	4960	2930	3160			
h1	Height of mast, lowered	2252	2502	2752	3202	2132	2252			
h2	Free lift	100	100	100	100	1436	1556			
h4	Height of mast, extended	3833	4333	4833	5633	3626	3856			
α / β	Mast tilt forward/backward	5° / 10°				5° / 6°				
	Masts specifications (3000 – 3500 Kg)									
Mast	mm	Triplex				Triplex FFL				
h3	Lift height	4305	4965	5565	6765	4310	4460	4960	5560	6060
h1	Height of mast, lowered	2132	2352	2552	3052	2132	2182	2352	2552	2752
h2	Free lift	45	45	45	45	1436	1486	1656	1856	2056
h4	Height of mast, extended	4978	5638	6238	7532	5006	5156	5656	6256	6756
α / β	Mast tilt forward/backward	5° / 6°				5° / 8°				