



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.



The pedals are mounted on the dashboard for easy maintenance.



The new full cab, available as an optional, is installed inside the profile of the overhead guard. It is equipped, in the standard version, with high-quality panelling, accessories and soundproofing, lexan roof complete with gutters, sliding windows and pantograph windscreen-wiper for more effective cleaning.



The hydraulic power steering unit is installed underneath the platform, giving simpler connections and quieter operation. The simple layout of components in the engine compartment facilitates rapid and efficient maintenance.

At Your Local Dealer



Drago E 250 300 350

The CESAB DRAGO E 250 300 350 are powerful and reliable high performance counterbalance fork lift trucks, featuring electronic 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.

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

Ergonomically 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.

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 sideshift as standard.

The front 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.

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

Electronically controlled hydrostatic transmission



Options

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

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Cesab Carrelli Elevatori Spa

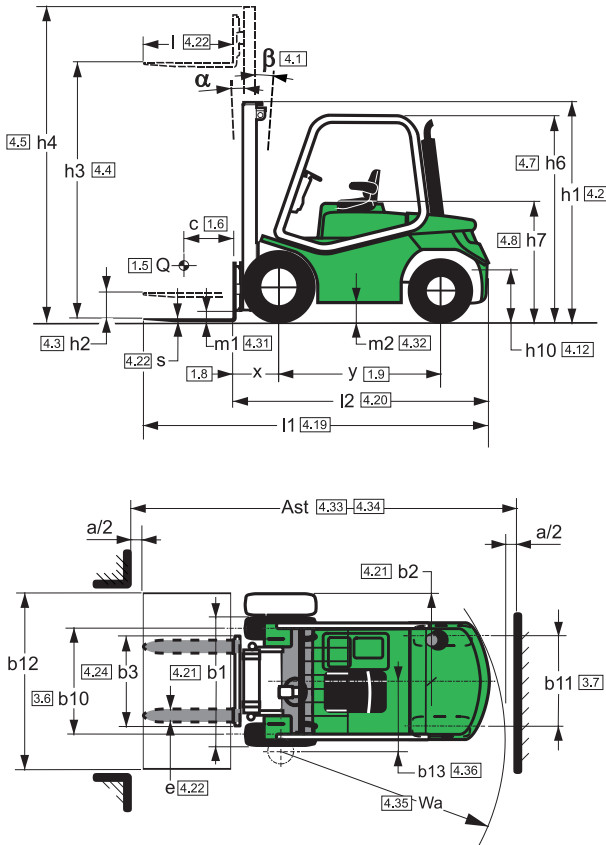
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Drago E 250 300 350

| VDI 2198 | | | | | | |
|--------------------|------|--|---------------------------------------|---------------------------|--|---------------------------|
| Characteristics | 1.1 | Manufacturer | CESAB | | CESAB | |
| | 1.2 | Model designation | DRAGO E 250 | | DRAGO E 300 | |
| | 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 |
| Weights | 1.8 | Axle centre to fork face | x (mm) | 460 (a) | 465 (a) | 478 (a) |
| | 1.9 | Wheel-base | y (mm) | 1750 | 1750 | 1820 |
| | 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 |
| | 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 (a) | 3697 (a) | 3796 (a) |
| | 4.20 | Length to fork face | l2 (mm) | 2568 (a) | 2697 (a) | 2796 (a) |
| | 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 (a) | 4022 (a) | 4305 (a) |
| | 4.34 | Aisle width with pallets 800 x 1200 along forks | Ast (mm) | 4110 (a) | 4221 (a) | 4435 (a) |
| 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 | – | – | – |
| Drive | 5.10 | Service brake: mechanical/hydraulic/electric/pneumatic | | hydrostatic | hydrostatic | hydrostatic |
| | 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 ⁻¹ | 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° |