

The 30D-9 a high performance forklift from Hyundai

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The Hyundai 30D-9 forklift is one of the high-performance machines in the newly designed 9 series of Hyundai diesel counterbalance trucks. The 30D-9 has a lift capacity of 3 tonne (3000kg) at a load centre of 500 mm. It's environmentally friendly, efficient, safe, ergonomically designed and suited for many different lifting applications from wood to tiles to cement and big bags and many more outdoor uses.

The newly designed driver environment has a Grammer comfort seat and an adjustable steering column to achieve maximum comfort for the operator. With increased acceleration and better gradeability these diesel trucks are ideal for tough terrain, the hill assist control system will stop the machine rolling backwards if stopping on a slope or a ramp is applied.

The 30D-9 is equipped with a high powered Kubota V3307 50kW/2,300 rpm engine. The Stage IIIB power unit is ultra-low in emissions and uses only a diesel oxidation catalyst (DOC). Avoiding the use of a DPF filter reduces down-time and as no additives are used it turns it to a 'hassle free machine for the operator'.

Advanced safety features

A speed limiter comes as standard which is easy to program via the machines display monitor enabling smooth and safe operation of the vehicle.

A load sensor checks pressure in the lift cylinder in order to calculate the weight on the forks. The load is indicated on the display and if an overload occurs the operator is alerted by a warning sound at the same time the display monitor will show the weight of the load flashing red. A machine position indicator is standard on the unit indicating machine roll and pitch on the display.

The new electric hand brake system is combined with an anti-roll back function. This means that if the machine is inclined more than three-degrees and the machine comes to a stop, the handbrake is automatically activated to prevent the machine rolling back. To release this function the driver pushes the accelerator to regain normal movement.

Full LED headlights and rear combination lights offer the operator excellent visibility. Rear reflectors mounted on the counterweight further improve visibility. The optimised lift cylinder arrangement also provides the operator with wider visibility and the panoramic mirror improves the operators view when reversing.

The advanced LCD digital colour monitor keeps the operator fully informed, not only about general operational data, but also the safety warnings and speed limits are displayed. Also when the operator is reversing, an optional rear view camera is automatically activated within the monitor for safe backwards manoeuvring.

To prevent the machine being operated by non-qualified personnel and to protect the truck from theft there is an engine start limit feature where personal activation with an entrance code is needed. Other theft prevention measures include a fuel lock hatch and an optional fuel cap.

The OPSS (Operator Presence Sensing System) is fitted as standard – this prevents mast and all drive movements of the truck if the operator is not seated.

Advanced design and productivity features

The newly designed operator space provides excellent visibility and plenty of room ensuring that the operator is comfortable in his working environment. The position of the pedals has been revised too offering the operator a smoother drive. The low entrance height makes it easy to get in and out of the driver's seat.

Functions can be controlled via the levers – with the directional switch mounted on the lift lever and the tilt lock switch on the second lever – the operator has control over the mast and drive functions without taking his/her hand off the steering wheel. This advantage in the machine's controllability offers improved productivity, ergonomics and safety. There is also the option of a 'Fingertip' system which combines the ease of the mini-levers with the directional switch mounted on the console planned for the near future.

An auto tilt levelling system has also been introduced to the new 9-series of machines which returns the mast to an upright vertical position with the push of a button.

Easy serviceability – fast and easy maintenance

A large engine hood makes the engine compartment easily accessible for fast and efficient maintenance. The LCD monitor provides quick access to maintenance information – when a service is needed the driver receives a clear warning for early intervention – optimizing up-time!

The engine and cooling systems are protected from clogging by rear tyre covers and an undercover protective plate is available as an option for working in harsh and dusty environments. The clutch protection system prevents excessive use of inching. The DCSR (direction change shock relief) feature protects the drive line when changing direction. It allows abrupt forward/revers changing only at low speed.

Source: Wienäber GmbH & Co. Baumaschinen KG