

Zettelmeyer



Zettelmeyer

Dozer ZD 3000

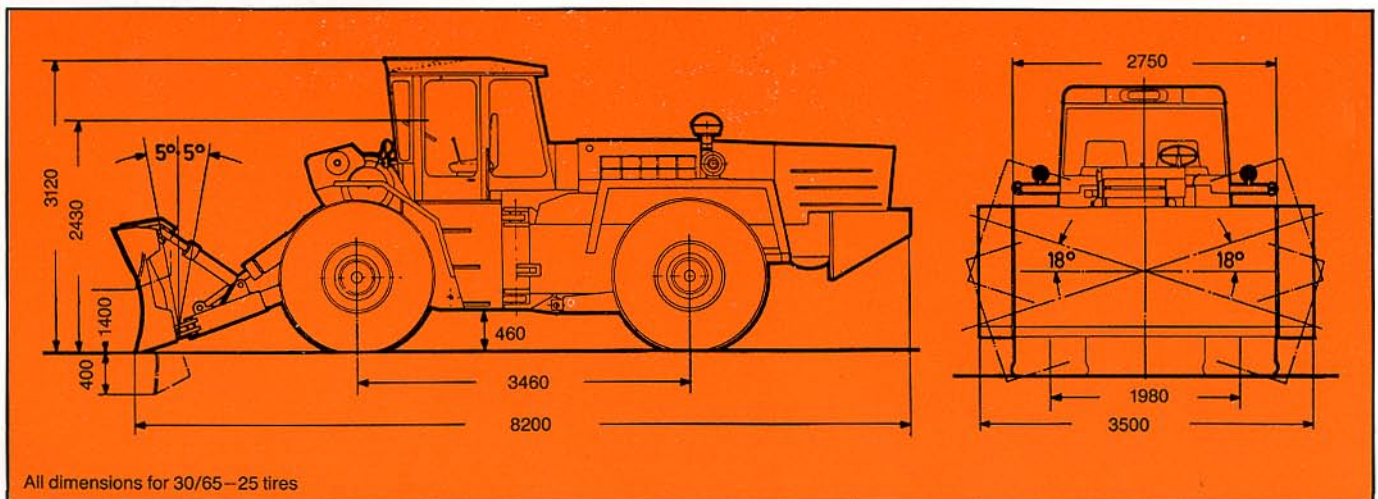


Technical Data

- Hydropneumatic suspension
- Central hydraulic articulation 76°
- 4-speed fullpowershift transmission with mechanical shifting in 3rd and 4th gear
- Diesel engine, 280 DIN HP (206 kW) 311 SAE HP (229 kW) at 2300 rpm
- Self locking differentials in both axles
- 100 % effective locking differentials
- Allwheel disk brakes
- Max. travel speed 62 km/h (39 mph)

Operating weight:	23000 kp (51704 lbs)				
Axle load:	Front 12000 kp (26976 lbs), rear 11000 kp (24728 lbs)				
Data dozer blade:	Lifting height 1400 mm (4'7") Digging depth 400 mm (1'4") Tilt blade (forward and back) ± 5° Swivelling angle ± 16° / Tilting angle ± 18°				
Dimensions dozerblade:	Working width 3500 mm (11'6") Travelling width 2750 mm (9') Height 1350 mm (4'5"). Surface 47250 cm ² (51 sqft) All movements of dozer blade are activated hydraulically from operator's seat. Main functions are combined in one lever. Capacity of dozer 270 m ³ /h (353 cu. yd) at 30 m (33 yd) transport distance and soil density 2.25.				
Winch:	Pulling power 20000 kp (44960 lbs). Length of cable 90 m (99 yd). Automatic winding device. Remote control over a distance of 20 m (22 yd)				
Front scarifier: (on the blade)	Hydraulically operated, 4 teeth Digging depth 450 mm (1'6")				
Engine:	4-stroke diesel with direct fuel injection, 10 cylinder air-cooled engine 280 DIN HP (206 kW), 311 SAE BHP (229 kW) at 2300 rpm Fuel tank capacity 500 l (132 gals US; 110 Imp)				
Power train:	Torque converter, 4-speed reversing, with mechanical shifting in 3rd and 4th gear, planetary gear, fullpowershift. Allwheel drive, planetary gears in wheel hubs. Selflocking differentials in both axles. 100 % effective locking differentials.				
Travel speed:	Identical forward and reverse				
	Gears	1st	2nd	3rd	4th
	up to km/h	6	12	34	62
	mph	3.8	7.6	21.1	39.0
Pushing power:	20000 kp (44960 lbs)				
Frame:	Frame is hydropneumatically suspended via four spring suspension cylinders. Max. lifting capacity per axle 120 mm (5"). Before operating the dozer blade, the front scarifier or the winch, the hydropneumatic suspension is drained. Front axle is automatically blocked. Rear axle is rested for oscillation on studs.				
Brakes:	1. Service: 4-wheel air over hydraulic dual disk brake system. 2. Parking: Mechanical disk brake on transmission output shaft. 3. Retarder: Torque converter.				
Tires:	Front and rear: 30/65-25 EM, 20 PR				
Steering:	Central articulated steering - 38° steering angle in either direction, hydraulic steering over 2 double-action steering cylinders. Constant steering speed. Emergency steering pump. Turning radius (outer edge of blade) 6800 mm (22'4")				
Electrical system:	Operating voltage 24 V, Batteries 2 x 12 V / 135 Ah				
Standard Equipment:	Spacious comfortable cabin with sliding doors. Broad glass area for outstanding visibility. Soundproofed to 85 dB(A) inside cabin and 84 dB(A) outside. Rear sliding window. Window on cab roof. Roof-mounted protective grating. Quick and easy entry both sides. Two adjustable upholstered driver seats. Heating, ventilator, windshield washer and wiper. Fully equipped for travel on public roads. Two working lights on cab roof, 2 backing lights, electric hourmeter, various control instruments, toolbox, safety tested.				
Optional:	Without winch				

Specifications subject to change without notice.



8 blade movements, hydraulically activated from the operator's seat

- 8 blade movements are controlled hydraulically from the operator's seat — any two simultaneously
- The operator controls all operations with a single lever — lowering, cutting angle, turning, tilting. This makes the ZD 3000 extremely easy to operate and a fast worker.



The blade is 3500 mm (11'6") wide and has a surface area of 47250 cm² (51 sq. ft). The cutting edges are replaceable.

The ZD 3000 moves up to 270 m³/h (353 cu. ft) a distance of 30 m (33 yds)

The blade can be equipped with up to four front scarifiers which tear open the ground when reversing and swing aside when the dozer moves forward. Digging depth up to 450 mm (1'6").



For travel on public roads, the edges of the blade are folded in and locked, reducing the blade width to 2750 mm (9').

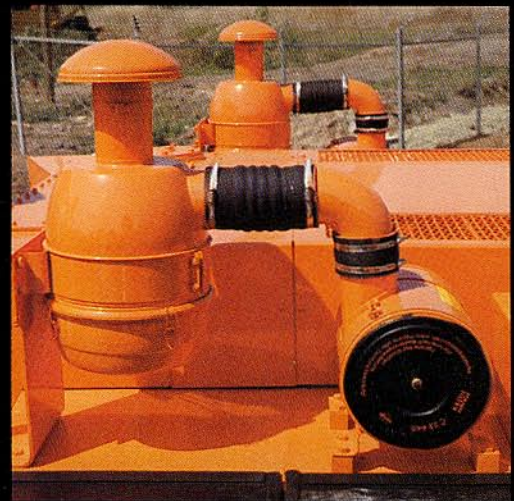




Every ZD 3000 comes fully equipped for travel on public roads. Soundproofing to under 84 dB (A).

Every single detail is carefully designed. For instance, the comfortable height of the fuel intake.

The dual filter system is standard equipment.



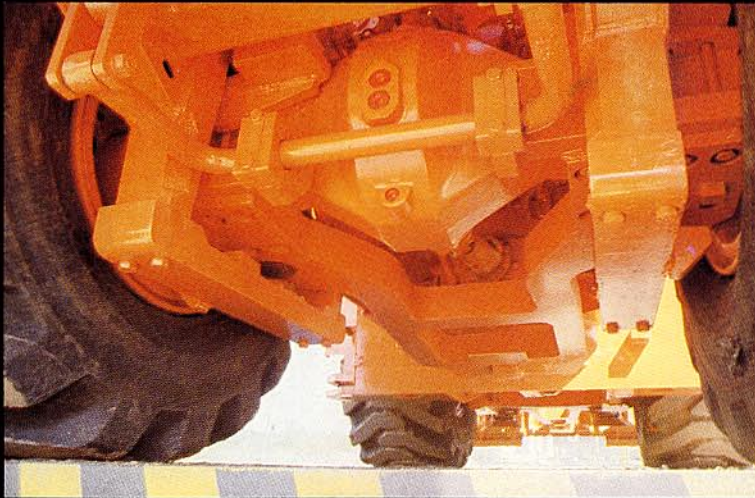
Water up to a depth of 1.2 meters (3'11") is no barrier for the ZD 3000. The turning radius (outer edge of blade) is only 6800 mm (22'4").





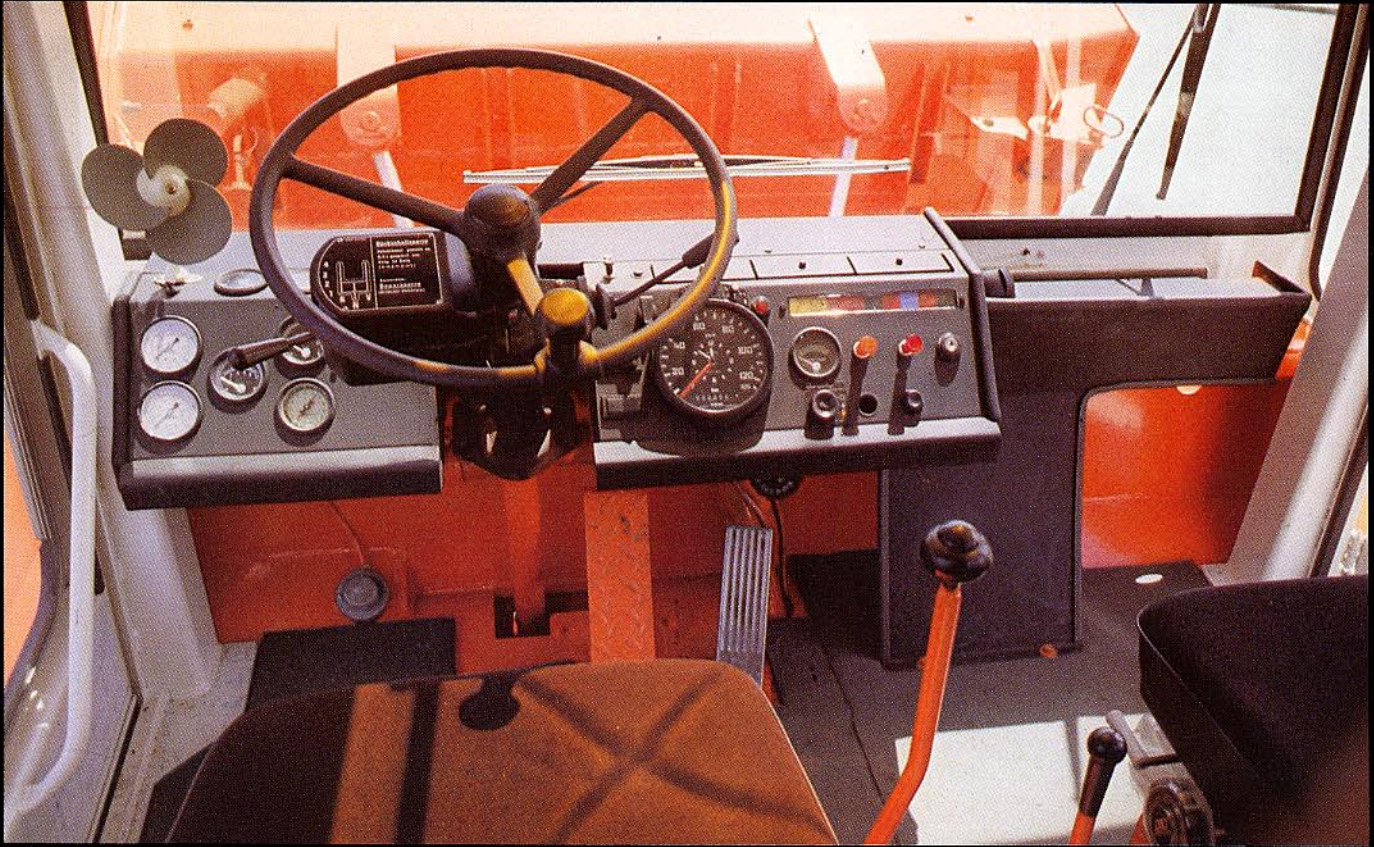
The secret of the high speed of the ZD 3000 is the hydropneumatic suspension of the axles via four spring suspension cylinders. Lifting capacity per axle 120 mm (5"). For on-site work, the hydropneumatic suspension is drained and locked automatically. The rear axle oscillates.

Hinge pin, chassis, axles and blade have all been designed for the toughest work imaginable.



Speed is a matter of course for the ZD 3000. 62 km/h (39 mph) on the highway and cross-country, and the operator is comfortable at any speed.





The Zettelmeyer operator comfort: Rollover safety cabin, soundproofing, lots of room, safe access from either side, a well-designed instrument panel, skylight, heater, ventilator – for comfortable work and maximum performance.

Extremely easy access to all major components of the suspension and hydraulic systems.

The engine hood opens easily for quick access to the engine and all ancillary systems. A retractable ladder assures safe access.





For many years, the ZD 3000 has proven its worth at construction sites and military proving grounds around the globe.

The winch of the ZD 3000 can be operated from the cabin or by remote control from as far away as 20 meters (22 yards). The cable is 90 meters (99 yards) long and 24 mm (1") thick.

A side-mounted crane is available for special work. Many options are also available. Please ask for details.





Putting a sizeable number of ZD 3000 dozers on their way to Bangladesh.

The Zettelmeyer Range: Articulated loaders, dozers, multi-purpose equipment



**Multi-purpose equipment
ZL 401 and ZL 401-WE**
with many attachments



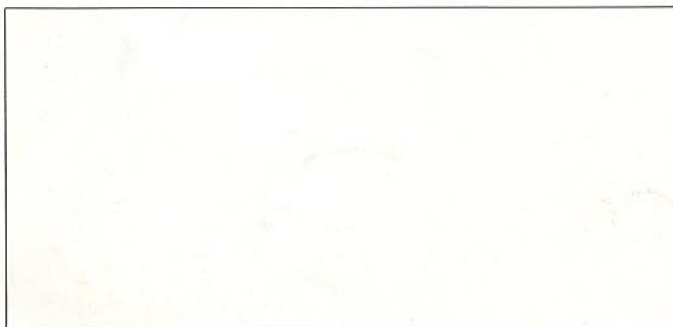
3 articulated loaders
Hydrostatic drive
35 to 110 HP (DIN)
26 to 81 kW



3 articulated loaders
Hydropneumatic drive
151 to 225 HP (DIN)
111 to 165 kW



Wheel dozer ZD 3000
280 HP (DIN)
206 kW



Zettelmeyer



A Member of the IBH Group

Zettelmeyer Maschinenfabrik GmbH
P.O. Box 1340
D-5503 Konz/Trier, West Germany
Tel: (06501) 840 · Telex 0472771

THP ZD 3000 G. 7.81 · Specifications subject to change without notice.