



5.63C

WHEEL LOADER "Z" LINKAGE



DIESEL ENGINE

4 cylinder in line engine, turbocharged, common-rail injection with electronic control, exhaust gas recirculation, water cooled, dry filtration, oxidation catalyst (DOC).

Emissioned according to CE 97/68 - Stage IIIB/Tier 4i.

Type	Deutz TD 2.9 L4
Max. power	58 kW - 79 HP
Rated	rpm 2.600
Power ISO/TR 14396	55,4 kW - 75 HP
Power EEC 80/1269	55,4 kW - 75 HP
Max. torque	Nm 260
Bore	mm 92
Stroke	mm 110
Displacement	cm ³ 2.925

ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	100 Ah - 850 A
Alternator rating	95 A
Reverse warning	Standard
Wiring according to	IP 67 DIN 40050

TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with pumps and variable displacement engine.

Gearbox with 2 mechanical selections: 2 work speeds (fwd/rev) and 2 road speeds (fwd/rev)

Work speed	forward	reverse
1 st gear km/h	0÷4	0÷4
2 st gear km/h	0÷11	0÷11

Road speed	forward	reverse
1 st gear km/h	0÷15	0÷15
2 st gear km/h	0÷40*	0÷40*

(* Self limited max. speed)

AXLES

Two heavy duty equal size axles with planetary final drives in each wheel. Fixed rigid drive axle. Oscillation rear axle on rear chassis section up to a total angle of 25°. Transfer gearbox transferring movement directly to the rear and to the front axle via a transmission shaft. Self locking limited slip differential on front axle.

Self locking limited slip differential on rear axle (optional).

BRAKE

Service: hydraulic multi-disc oil brake on front and rear axles. Parking brake: negative hydraulic on front axle, electrically applied.

TYRES

Standard	405/70 R20
Optional	455/70 R20 • 14.5 x 20

STEERING

Servo-assisted steering **LOAD SENSING** system.

Total steering angle	mm 80°
Inner tyres turning radius	mm 2.585
External tyres turning radius	mm 4.515
External bucket turning radius (Δ)	mm 4.980

(Δ) Bucket on traveling position

HYDRAULIC SYSTEM

Two gear pump, the first for loader and steering circuit with LOAD SENSING valve, the second for the fan circuit with two rotating speed. Modular two-element control valve with main relief valve. Double acting hydraulic cylinders. Hydraulic oil cooling radiator. Full flow oil filter on the leakage pipe.

Single servo lever arm control with 4 position lifting system and with 3 position bucket system.

Max. flow	lt/1'	90
Max. flow with high flow (optional)	lt/1'	115
Loader relief valve pressure	bar	230
Steering relief valve pressure	bar	190
Lift cylinder	mm	85x580
Bucket cylinder	mm	90x402

SERVICES CAPACITIES

Engine	lt	8
Front axle	lt	5,2
Rear axle	lt	6,2
Gear box	lt	1,8
Hydraulic circuit.....	lt	70
Brake circuit	lt	2
Fuel	lt	75
Water cooling.....	lt	15

TECHNICAL FEATURES

Standard bucket capacity	m ³	1,1
Bucket width	mm	2.100
Straight static tipping load	kg	4.950
Full turned tipping load	kg	4.400
Lifting capacity at max. height	kg	4.150
Hinge pin height	mm	3.360
Dump height at 40°	mm	2.685
Reach at 40°	mm	660
Breakout force	kg	6.400

DIMENSIONS AND WEIGHT

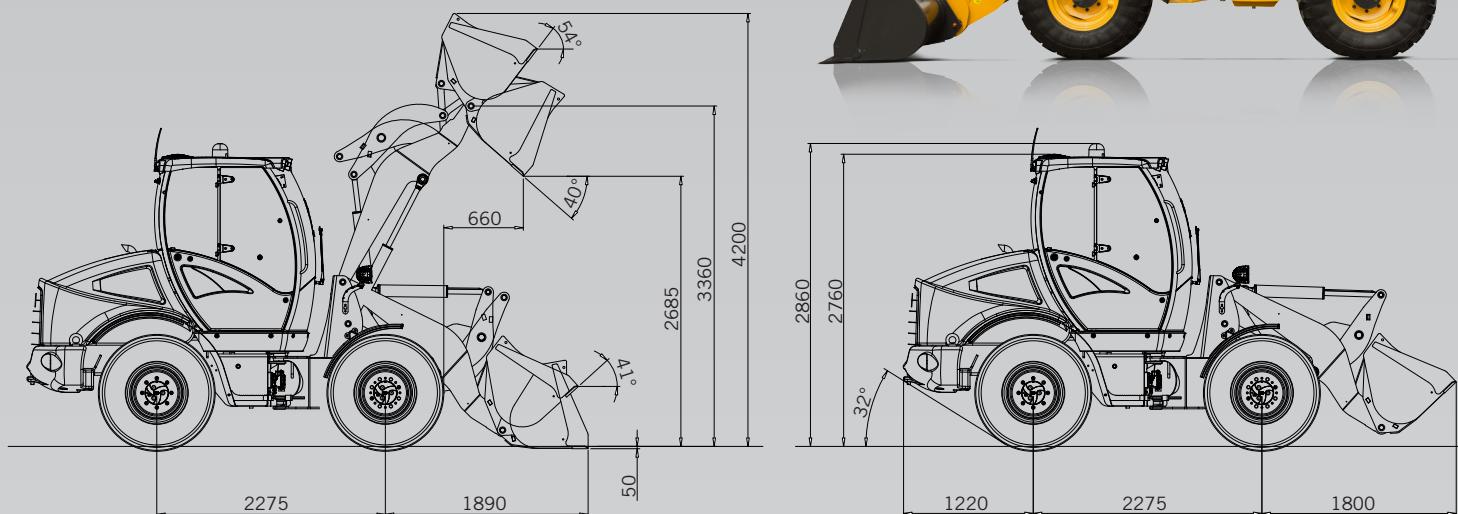
Max. lenght in transfer position	mm	5.295
Max. width in transfer position	mm	2.100
Tyre external width	mm	1.937
Track width	mm	1.530
Wheel base	mm	2.275
Ground clearance	mm	330
Max. height	mm	2760
Standard operating weight	kg	5.800
Max. permissible weight	kg	6.270

All dimensions are referred to standard tyres and bucket.



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PERFORMANCE DATA		UNIVERSAL BUCKET	MULTI PURPOSE BUCKET	OVERSIZE	FORKS
Full load bucket capacity (SAE)	m ³	1,1	0,9	1,5	/
Bucket width	mm	2.100	2.100	2.250	/
Bucket weight	kg	400	500	500	/
Overall operating height, fully raised	mm	4.200	4.145	4.250	/
Forks lengthh (Standard)					1.000
Forks lengthh (Optional)					1.200
Hinge pin height	mm	3.360	3.360	3.360	/
Dump clearance	°	40°	40°	40°	/
Dump height	mm	2.685	2.659	2.634	/
Dump distance	mm	660	635	710	/
Max dump distance	mm	980	930	1.030	/
Bucket static tipping load, straight	kg	4.950			/
Bucket static tipping load, full turn	kg	4.400			/
Forks static tipping load, full turn	kg				3.400
Payload EN 474-3 (80%) [•]	kg				2.720
Payload EN 474-3 (60%) [•]	kg				2.040
Breakout force	kg	6.400	6.890	6.010	/
Total lenght	mm	5.295	5.425	5.525	/
External bucket turning radius	mm	4.980	4.940	5.090	/
Standard operating weight	kg	5.800	5.900	5.800	/

[•] Center of gravity 500mm



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