



9.63C

WHEEL LOADER "Z" LINKAGE



DIESEL ENGINE

4 cylinder in line engine, turbocharged with intercooler, 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 3.6 L4
Max. power	94,5 kW - 128 CV
Rated	rpm 2.300
Power ISO/TR 14396	90 kW - 122 CV
Power EEC 80/1269	90 kW - 122 CV
Max. torque	Nm 480
Bore	mm 98
Stroke	mm 120
Displacement	cm ³ 3.620

ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	110 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÷5	0÷5
2 st gear km/h	0÷13	0÷13

Road speed	forward	reverse
1 st gear km/h	0÷17	0÷17
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).

BRAKES

Service: hydraulic multi-disc oil brake on front and rear axles.

Parking: negative hydraulic on front axle, electrically applied.

TYRES

Standard	17.5 x 25
Option	17.5 R25 • 480/70 R24

STEERING

Servo-assisted steering **LOAD SENSING** system

Total steering angle	mm 80°
Inner tyres turning radius.....	mm 2.733
External tyres turning radius	mm 4.908
External bucket turning radius (Δ)	mm 5.406
(Δ) Bucket on traveling condition	

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'	155
Loader relief valve pressure	bar	230
Steering relief valve pressure	bar	175
Lift cylinder	mm	100x815
Bucket cylinder	mm	120x380

SERVICES CAPACITIES

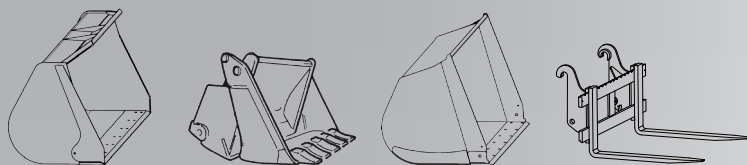
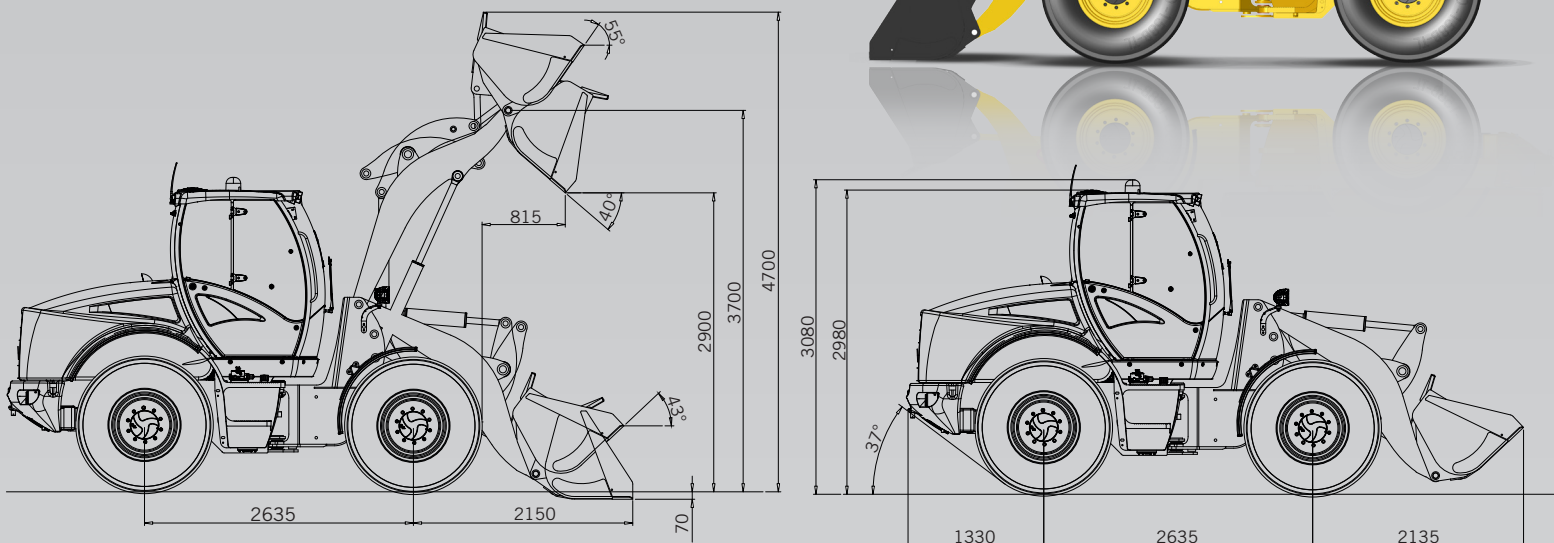
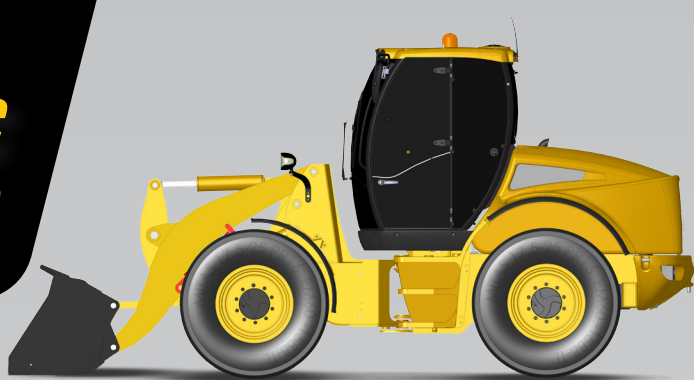
Engine	lt	8
Front axle	lt	17,6
Rear axle	lt	11,9
Gear box	lt	1,8
Hydraulic circuit.....	lt	137
Brake circuit	lt	1,1
Fuel	lt	140
Water cooling	lt	20

TECHNICAL FEATURES

Standard bucket capacity	m ³	1,7
Bucket width	mm	2.350
Straight static tipping load	kg	6.200
Full turned tipping load	kg	5.500
Lifting capacity at max. height	kg	6.900
Dump clearance	mm	3.700
Dump height at 40°	mm	2.900
Reach at 40°	mm	815
Breakout force	kg	8.600

DIMENSIONS AND WEIGHT

Max. lenght in transfer position	mm	6.100
Max. width in transfer position	mm	2.350
Tyre external width	mm	2.195
Track width.....	mm	1.750
Wheel base.....	mm	2.635
Ground clearance.....	mm	380
Max. height.....	mm	2.980
Standard operating weight.....	kg	9.000
Max. permissible weight	kg	9.670



PERFORMANCE DATA

		UNIVERSAL BUCKET	MULTI PURPOSE BUCKET	OVERSIZE	FORKS
Full load bucket capacity (SAE)	m ³	1,7	1,3	2,2	/
Bucket width	mm	2.350	2.350	2.500	/
Bucket weight	kg	650	750	750	/
Max. operative height	mm	4.700	4.646	4.796	/
Forks lengthh (Standard)					1100
Forks lengthh (Optional)					1300
Bucket pin height	mm	3.700	3.700	3.700	/
Dump clearance	°	40°	40°	40°	/
Dump height	mm	2.900	2.950	2.833	/
Dump distance	mm	815	800	924	/
Max dump distance	mm	1.145	1.095	1.219	/
Bucket static tipping load, straight	kg	6.200	6.300	6.000	/
Bucket static tipping load, full turn	kg	5.500	5.600	5.300	/
Forks static tipping load, full turn	kg				4.600
Payload EN 474-3 (80%) [●]	kg				3.680
Payload EN 474-3 (60%) [●]	kg				2.760
Breakout force	kg	8.600	9.600	7.800	/
Total lenght	mm	6.100	6.045	6.175	/
External bucket turning radius	mm	5.406	5.381	5.531	/
Standard operating weight	kg	9.000	9.100	9.100	/

[●] Center of gravity 500mm



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