

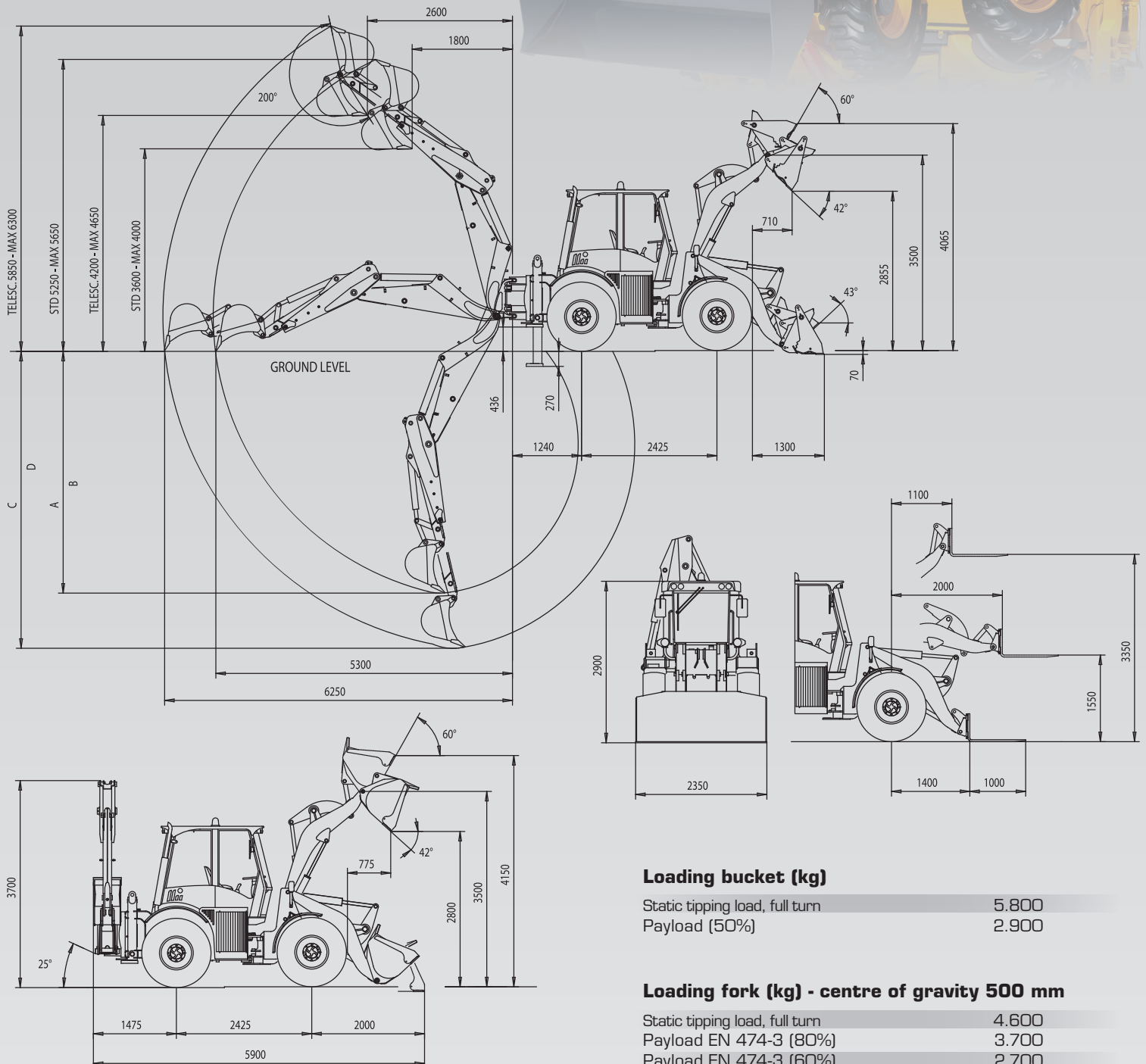


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10.23D

ARTICULATED BACKHOE LOADER

- › Max power 106 HP
- › Bucket capacity 1.3 - 1.6 m³
- › Max. digging depth 5.00 m (6.00 m)
- › Max. permissible weight 9920 kg
- › Hydrostatic transmission
- › 4 wheel drive
- › Stage IIIB / Tier 4i Engine



DIESEL ENGINE

Engine: 4-cylinder in-line, turbocharged, charge air cooling, common Rail injection system electronically controlled, external exhaust gas recirculation, water cooled, dry filtration, oxidation catalyst (DOC) Emissioned according to CEE 97/68 Stage IIIB/Tier 4i.

Type	Deutz TCD 3.6 L4
Max power:	78 kW - 106 HP
Rated rpm	2.300
Power ISO/TR 14396	74,4 kW - 101 HP
Power EEC 80/1269	74,4 kW - 101 HP
Max torque	410 Nm
Bore	mm 98
Stroke	mm 120
Displacement	cm³ 3.620

ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	110 Ah - 1100 A
Alternator rating	95 A
Reverse warning	Standard
Wiring according with	IP 67 DIN 40050

TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and motor. Gear-box 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÷6	0÷6
2 nd gear km/h	0÷13	0÷13

Road speed		
1 st gear km/h	0÷18	0÷18
2 nd gear km/h	0÷40	0÷40

AXLES

Designed for Heavy Duty.
All-wheel drive.
Planetary final drives in each wheel.
Front axle: rigid
Rear axle: oscillating up to a total angle of 20° and "Limited Slip" differential. Hydraulic locking device on the rear oscillating axle.

BRAKE SYSTEM

Service: hydraulic multi-disk oil brakes on each wheels with two separate circuits.
Parking: band-type on the split outlet hand-operated

TYRES

Standard	17.5L 24
Option	15.5-25 • 15R 25 • 405/70 R24 • 19.5L 24

STEERING

Central articulated frame with servo assisted through LOAD SENSING.

Total steering angle	80°
Inner tyres turning radius	mm 2.800
Outer tyres turning radius	mm 4.900
Outer bucket turning radius	mm 5.500

HYDRAULIC SYSTEM

Composed of two gear pumps, the first one for the loader circuit and steering, the second one for the circuit of the fan,

having a double speed of rotation. **"Combined Flow"** circuit for feeding the rear control valve.

Modular two-element control valve for the loader, modular six-element control valve for the backhoe regenerative type, with unloading valve for reducing consumption during transfer. Double acting hydraulic cylinder. Cylinder 1st backhoe arm with brake at maximum height. Hydraulic oil cooling radiator. Full-flow oil filter on the leakage pipe.

Standard flow	lt/1'	105
Max flow	lt/1'	145
Loader relief valve pressure	bar	250
Steering relief valve pressure	bar	175
Lift cylinder	mm	90x665
Bucket cylinder	mm	110x445

Loader control

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

Backhoe control

Two levers backhoe control, "cloche" type.
Two hydraulic-control independent stabilizers.
Side translation with four hydraulic locking devices.

SERVICE CAPACITIES

Engine	lt	8
Front axle	lt	11,8
Rear axle	lt	11,8
Gear box	lt	1,6
Hydraulic circuit	lt	85
Brake system	lt	2
Fuel	lt	118
Water cooling	lt	24

TECHNICAL FEATURES

Loader:

Standard bucket capacity	m³	1,30
Bucket width	mm	2.350
Breakout force	kg	10.800
Max. hydraulic lifting capacity at maximim height ...	kg	5.000
Dump angle	mm	3.500
Dump height at 42°	mm	2.800
Reach at 42°	mm	775

Backhoe loader

Type	VF	4.65B
Standard bucket capacity	lt	200
Bucket width	mm	600
Dipperstick max penetration capacity	kg	4.700
Max breakout force on the bucket tipe	kg	6.100
Lifting capacity on the bucket pin up to max height	kg	2.200
Rotating		180°
A - Max digging depth	mm	5.000
B - Standard digging depth (SAE)	mm	4.600
C - Max digging depth with telescopic (opt.)	mm	6.000
D - Standard digging depth with telescopic (opt)	mm	5.600

DIMENSIONS AND WEIGHT

Max lenght in transfer position	mm	6.000
Max width in transfer position	mm	2.350
Width across tyre	mm	2.100
Tracks width	mm	1.650
Maximum height	mm	3.700
Ground clearance	mm	450
Standard weight in running order	kg	8.600
Max permissible weight	kg	9.920



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