



TM

Venieri
SPA

8.63TL

W H E E L
L O A D E R
T E L E S C O P I C A R M

P R E L I M I N A R Y



8.63TL

WHEEL LOADER TELESCOPIC ARM



DIESEL ENGINE

Engine: 4 cylinders, common rail, water cooled, with EGR, DOC and SCR. Emissioned according to Directive CE 97/68 stage IV.

Type	Deutz TCD 3.6
Max. power	100 kW - 136 HP
Rated rpm	2.200
Power ISO/TR 14396	100 kW - 136 HP
Power EEC 80/1269	100 kW - 136 HP
Bore	mm 98
Stroke	mm 120
Displacement	cm³ 3.620



ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	110 Ah - 800 A
Alternator rating	96 A
Reverse warning	Standard
Wiring according to	IP 67 - DIN 40050



TRANSMISSION

Venieri electronic powershift VEPS with electronic management. Six automatic forward speeds and three automatic reverse speeds.

Gear	Max speed
1 st Gear	km/h 0 ÷ 6
2 nd Gear	km/h 0 ÷ 9
3 rd Gear	km/h 0 ÷ 14
4 th Gear	km/h 0 ÷ 25
5 th Gear	km/h 0 ÷ 28
6 th Gear	km/h 0 ÷ 40



AXLES

Four wheel drive. Planetary final drives on each wheel. Fixed rigid drive axle on front chassis section. Oscillating drive axle on rear chassis section up to a total angle of 18°. Self-locking limited slip differential on front axle (optional on rear axle).



BRAKE

Service: hydraulic multi-disc oil brake on front and rear axles. Parking brake: mechanical disc brake manually actuated.



TYRES

Standard agricultural tyres	460/70 R24
Optional agricultral tyres	500/70 R24
Optional industrial tyres	405/70 24



STEERING

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

Total steering angle	90°
Inner tyres turning radius	mm 1.936
External tyres turning radius	mm 4.306
External bucket turning radius*	mm 4.790

* Bucket on traveling position



HYDRAULIC SYSTEM

Hydraulic gear pump with **LOAD SENSING** priority valve for steering circuit and gear pump for auxiliary function. Modular distributor Flow Sharing with main relief valve. Double-acting hydraulic cylinders. Hydraulic oil cooling radiator. Full-flow oil filter on the leakage pipe. Servo-controlled joysticks with all proportional controls.

Max. flow	lt/1'	140
Loader relief valve pressure	bar	250
Steering relief valve pressure	bar	175



TELESCOPIC ARM

Telescopic boom with Z-bar linkage and compensation system to ensure parallelism. Anti-tipping device and safety block valves. Telescopic boom cylinder with brake. Ride control on request.



SERVICES CAPACITIES

Engine	lt	8
Front axle	lt	9,2
Rear axle	lt	9,1
Hydraulic circuit	lt	150
Brake system	lt	0,9
Fuel	lt	160
Water cooling	lt	9
AdBlue	lt	26



TECHNICAL FEATURES

Operative load with forks EN474-3 (80%) - telescopic retracted	Kg	3.200
Maximum loading height with forks - telescopic extended	mm	5.255
Hinge pin height - telescopic extended	mm	5.470
Hinge pin height - telescopic retracted	mm	4.070



DIMENSIONS AND WEIGHT

Max. lenght in transfer position (STD bucket)	mm	6.555
Max. width in transfer position	mm	2.430
Max. height	mm	2.710
Track width - standard tyres	mm	1.870
Overall standard tyre width	mm	2.340
Wheel base	mm	2.550
Ground clearance	mm	290
Max. operative weight	kg	8.200



