

Venieri 2.63C

WHEEL LOADER ▶ “Z” LINKAGE

▶ DIESEL ENGINE

Engine: 4 cylinders, direct injection, water cooled, paper dry filter.
Emissions in accordance with Directive CE 97/68 stage IIIA.

Type	Yanmar 4TNV88
Max Power	36kW - 50 HP
Rated rpm	3.000
Net power ISO/TR 14396	35 kW - 48 HP
Net power EEC/80/1269	35 kW - 48 HP
Bore	88 mm
Stroke	90 mm
Displacement	2.190 cm ³

▶ ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	80 Ah - 770 A
Alternator rating	65 A
Reverse warning	Standard
Wiring according to	IP 67 e DIN 40050

▶ TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable-displacement pump and engine. Two forward/ reverse speeds with single-lever control.

	FORWARD / REVERSE	FORWARD / REVERSE
1 st Gear	0 - 7	0 - 7
2 nd Gear	0 - 20	0 - 20

▶ AXLES

Two heavy duty axles with planetary final drives in each wheel.
All wheel drive.

Fixed rigid drive axle on front chassis section.

Oscillating drive axle on rear chassis section up to a total angle of 20°. Transfer gearbox transferring movement directly to the rear and to the front via a transmission shaft. Self-locking limited slip differential on front axle (optional on rear axle).

▶ BRAKES

Service: drum-brake hydraulically operating on front axle working on all the wheels. Parking brake: mechanical drum-brake operating on service brake, manually actuated.

▶ TYRES

Standard	12.0/75-18 12pr
Optional	10.5-18 10pr • 12.5-18 10pr • 15.5/55 R18

▶ STEERING

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

Total steering angle	80°
Inner tyres turning radius	2.193 mm
External tyres turning radius	3.790 mm
External bucket turning radius	4.210 mm



▶ HYDRAULIC SYSTEM

Hydraulic gear pump with **LOAD SENSING** priority valve for steering circuit. 2-section modular control valve with main relief valve. Double-acting hydraulic cylinders. Hydraulic oil cooling radiator. Full-flow oil filter on the leakage pipe. Single cloche-lever arm control with 4-position lifting system and 3-position bucket system.

Max flow	55 lt/1'
Loader relief valve pressure	170 bar
Steering relief valve pressure	190 bar
Lift cylinder	70 x 937
Bucket cylinder	80 x 395

▶ SERVICES CAPACITIES

Engine	7 lt
Gearbox	2,8 lt
Differential	2 lt
Planetary final device	0,2 lt
Hydraulic circuit	60 lt
Brake system	1 lt
Fuel	60 lt
Water cooling	15 lt

▶ TECHNICAL FEATURES

Standard bucket capacity	0,75 m ³
Bucket width	1.700 mm
Straight static tipping load	3.000 kg
Full turned 40° tipping load	2.700 kg
Lifting capacity at max. height	3.600 kg
Dump clearance	3.100 mm
Dump height at 43°	2.450 mm
Reach at 43°	650 mm
Breakout force	4.000 kg

▶ DIMENSIONS AND WEIGHT

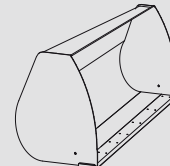
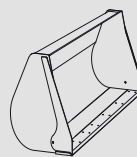
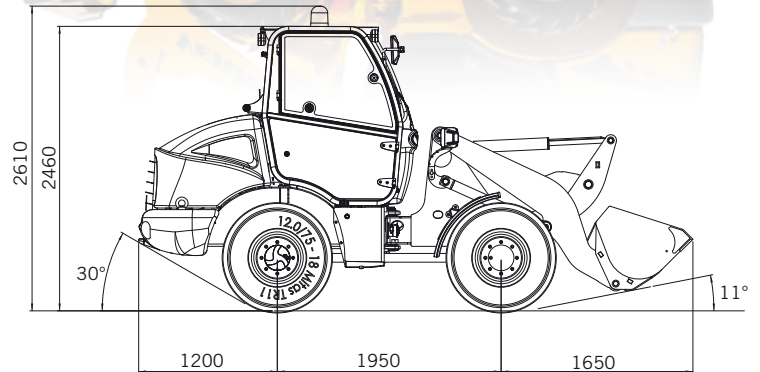
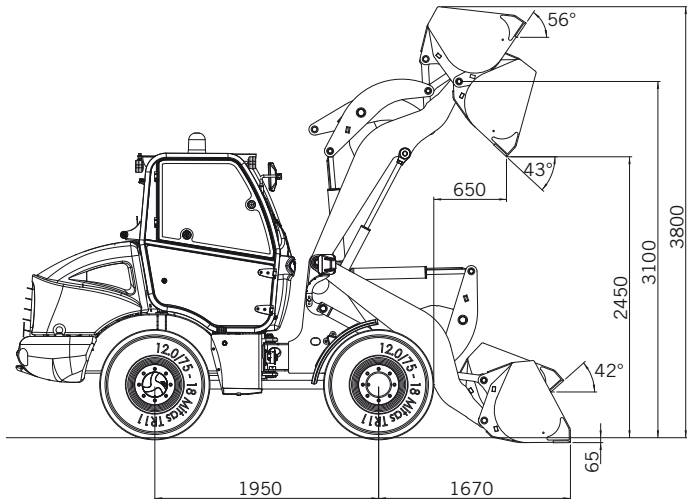
Max length in transfer position	4.800 mm
Max width in transfer position	1.700 mm
Max height	2.460 mm
Track width	1.280 mm
Overall tyre width	1.620 mm
Wheel base	1.950 mm
Ground clearance	370 mm
Standard operating weight	4.150 kg
Max operating weight	4.500 kg

The illustrations on the present folder do not necessarily show the product standard version. Data and dimensions described in this folder are not binding. Venieri reserves the right of carrying out possible changes at any time and without previous notice because of its policy of steady development and improvement of the products.



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▶ PERFORMANCE DATA

		UNIVERSAL BUCKET	MULTI PURPOSE BUCKET	OVERSIZE	FORKS
Full load bucket capacity (SAE)	m ³	0,75	0,60	1,2	/
Bucket width	mm	1.700	1.700	1.900	/
Bucket weight	kg	250	250	350	/
Max operative height	mm	3.800	3.750	3.850	/
Forks length (Standard)	mm				1.000
Forks length (optional)	mm				1.200
Bucket pin height	mm	3.100	3.100	3.100	/
Dump clearance	mm	43°	43°	43°	/
Dump height	mm	2.450	2.500	2.400	/
Dump distance	mm	650	600	700	/
Max dump distance	mm	1.450	1.400	1.500	/
Bucket static tipping load, straight	kg	3.000	2.900	2.700	/
Bucket static tipping load, full turn (40°)	kg	2.700	2.600	2.400	/
Forks static tipping load, full turn (40°)	kg				2.200
Forks Payload EN 474-3 (80%)	kg				1.800
Forks Payload EN 474-3 (60%)	kg				1.400
Breakout force	kg	4.000	4.400	3.700	/
Total length	mm	4.800	4.750	4.800	/
External bucket turning radius	mm	4.200	4.000	4.300	/
Total weight	kg	4.150	4.200	4.200	/



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