

DIESEL ENGINE

Engine: 4 cylinders, turbo diesel, direct injection, water cooled, paper dry filter.

Emissions in accordance with Directive CE 97/68 stage IIIA.

Type	Yanmar 4TNV84T
Max Power	44 KW - 60 HP
Rated rpm	3.000
Net power ISO/TR 14396	42 KW - 57 HP
Net power EEC/80/1269	42 KW - 57 HP
Bore	mm 84
Stroke	mm 90
Displacement	cm ³ 1.995

ELECTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	100 Ah - 850 A
Alternator rating	40 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
1 st Gear km/h	0÷9	0÷9
2 nd Gear km/h	0÷30	0÷30

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 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	405/70 R18"
Optional	12,5-20" 12pr

STEERING

Servo assisted steering hydraulic LOAD SENSING system.

Total steering angle	80°
Inner tyres turning radius	mm 2.220
External tyres turning radius	mm 4.050
External bucket turning radius	mm 4.350



HYDRAULIC SYSTEM

Hydraulic gear pump with LOAD SENSING priority valve for steering circuit. 2-section modular control valve with main relief valve. Doubleacting 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	lt/1'	60
Loader relief valve pressure	bar	230
Steering relief valve pressure	bar	190
Lift cylinder	mm	70x937
Bucket cylinder	mm	80x895

SERVICES CAPACITIES

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

TECHNICAL FEATURES

Standard bucket capacity	m ³	0,80
Bucket width	mm	1.900
Straight static tipping load	kg	3.850
Full turned 40° tipping load	kg	3.450
Lifting capacity at max. height	kg	2.500
Dump clearance	mm	3.200
Dump height at 40°	mm	2.600
Reach at 40°	mm	700
Breakout force	kg	4.700

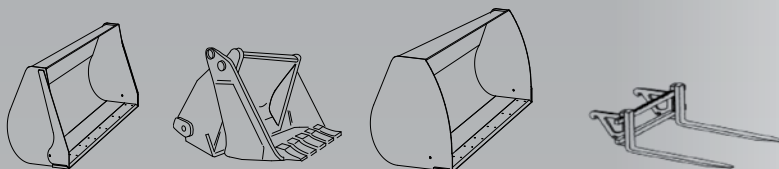
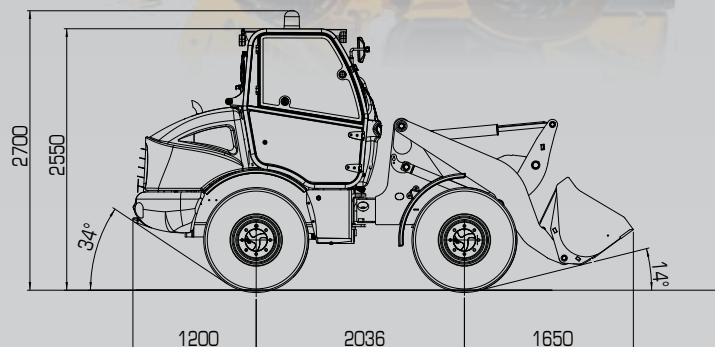
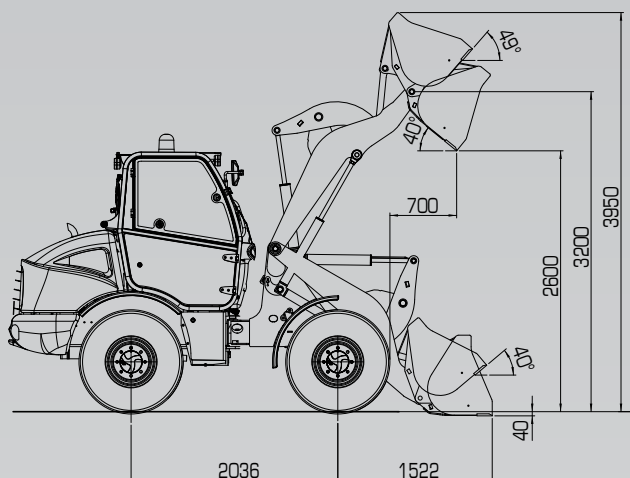
DIMENSIONS AND WEIGHT

Max lenght in transfer position	mm	4.886
Max width in transfer position	mm	1.900
Max height	mm	2.550
Track width	mm	1.360
Overall tyre width	mm	1.820
Wheel base	mm	2.036
Ground clearance	mm	340
Standard operating weight	kg	4.900
Max operating weight	kg	6.200



3.63G

WHEEL LOADER "Z" LINKAGE



PERFORMANCE DATA

		UNIVERSAL BUCKET	MULTI PURPOSE BUCKET	OVERSIZE	FORKS
Full load bucket capacity (SAE)	m ³	0,8	0,7	1,5	/
Bucket width	mm	1.900	1.900	2.100	/
Bucket weight	kg	325	450	450	/
Max operative height	mm	3.950	3.750	3.900	/
Forks length (Standard)	mm				1.000
Forks length (Optional)	mm				1.200
Bucket pin height	mm	3.200	3.200	3.200	/
Dump clearance	°	40°	40°	40°	/
Dump height	mm	2.600	2.625	2.500	/
Dump distance	mm	700	730	750	/
Max dump distance	mm	2.000	1.950	2.100	/
Bucket static tipping load, straight	kg	3.850	4.100	3.650	/
Bucket static tipping load, full turn (40°)	kg	3.450	3.700	3.250	/
Forks static tipping load, full turn (40°)	kg				2.650
Forks Payload EN 474-3 (80%)	kg				2.120
Carico operativo forche EN 474-3 (60%)	kg				1.590
Breakout force	kg	4.700	5.000	4.400	/
Total length	mm	4.886	4.936	4.936	/
External bucket turning radius	mm	4.350	4.300	4.400	/
Total weight	kg	4.900	5.000	5.000	/



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