

ENGINE

Complies with European Directive Model	97/68 CE - STAGE 3
Max power ISO TR14396	Yanmar 4TNV98T-Z
Regimen adjusted	HP - kW 85 (62,5)
Power adjusted CEE 80/1269	rpm 2500
Numbers of cylinders	HP - kW 85 (62,5)
Injection	4
Intake	Direct and electronic with EGR System
Displacement	Turbo feeded
Cooling	cc. 3319
Air filter with double protection	water
Electrical equipment	dry
Free maintenance battery	volt 12
Self regulated alternator	Ah 105
Fuel tank capacity	W 660
	l 100

TRANSMISSION

Hydrostatic transmission at closed circuit, with automatic adjustment of power, axial pistons pump and engine at variable displacement.

Hydraulic inching on brake pedal.

Automatic selection of working speed.

2 forward and 2 backward speeds, electrical control on the joystick.

Mechanical transfer, 2 speeds with electric switch and electronic control.

4 total speeds: n. 2 working speeds + n. 2 travel speeds

SPEED

		1 st	2 nd automatic
Working speed (with 14,5 - 20 tyres)			
Forwards	Km/h	0 ÷ 5	0 ÷ 13
Backwards	Km/h	0 ÷ 5	0 ÷ 13
Travel speed (with 14,5 - 20 tyres)			
Forwards	Km/h	0 ÷ 15	0 ÷ 40
Backwards	Km/h	0 ÷ 15	0 ÷ 40

AXLES

With epicycloid reduction gears on all four driving wheels.

Front axles: rigid with automatic proportional self-locking differential. (Limited slip)

Rear axles: oscillating of a 25° total range steering and automatic proportional self-locking differential. (Limited slip)

BRAKES

Duty brakes: with hydraulic control and servobrake, autoregistrating multiple disks under oil bath, acting upon all four wheels.

Parking brakes: negative dry on the trasmission shaft, with electrical control.

HYDRAULIC SYSTEM

Composed by: hydraulic gear pump. Modular distributor with main relief valve, shock-proof and anticavitation valve. Pressurised circuit.

Max pump capacity	85 l
Max pump pressure	240 kg/cm ²
Loader lifting cylinder	Bore x Stroke 80 x 665 mm
Loader bucket cylinder	Bore x Stroke 95 x 467 mm
Hydraulic cycle time	9"
Oil tank capacity, circuit included	95 kg

STEERING

Servoassisted, with hydroguide and articulated chassis. Total steering angle of 80°. The hydraulic system is "Load Sensing" equipped.

TYRES

Standard:	driving type	14,5 - 20
Optional:		16/70 20 - 405/70 R20
Other models on request.		

LOADER

Single servocontrol lever for arm and bucket. "Z" boom kinematism.

DIMENSIONS

Wheelbase	2266 mm
Front and rear track width	(with 14,5 - 20) 1510 mm
Extrnal tyres width	(with 14,5 - 20) 1865 mm

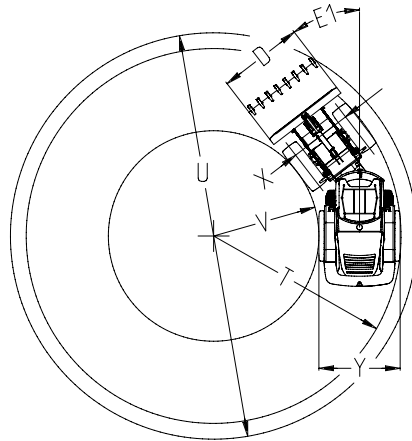
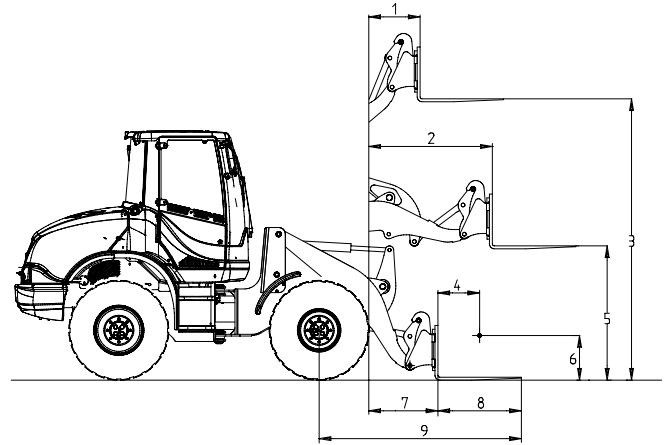
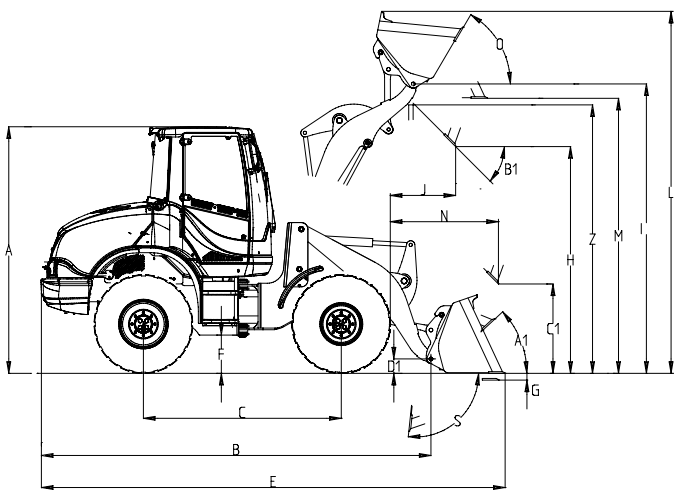
STANDARD EQUIPMENT

- Loader servo control
- Automatic proportional self-locking differential on front and rear axle (Limited Slip)
- Hydraulic Inching control (transmission speed regulations on brake pedal)
- Antipollution tank plug
- Bucket with screwed teeth
- Bucket mechanic levelling
- Reverse motion alarm
- Battery disconnecting switch
- Front and rear work lights
- Rotating lamp with magnetic fixing
- Shock absorbing and regulating "Deluxe" seat, with safety belt
- Regulating and telescopic steering wheel
- Floating system
- Air conditioning predisposition
- Heating plant
- Air filter in aspiration from outside
- Multifunction joystick with transmission and speedcontrol
- Rotoform front mudguards
- Tool box
- Use and maintenance manual, spare parts catalogue
- Accessories for road circulation
- Italian road homologationfor daily and night circulation
- CE Certification

OPTIONAL EQUIPMENT

- Hydraulic quick bucket connection
- Universal forks
- Enlarged bicket
- Extra enlarged bucket for light material
- Enlarged bucket for light material having higher unloading
- 4:1 multipurpose bucket
- Paper and branches grab
- Bucket with side unloading
- Mixer bucket
- Wood grab
- Snow blade or snow plough
- Front rotating brush with bucket
- Teeth blade
- Asphalt concrete milling
- Inching control manually operated
- Electronic weighting system
- Air conditioning
- Radio
- Theft protection
- Ride control
- Automatic electro-mechanic bucket leveller
- Video camera
- Pneumatic "deluxe" seat
- "elite" cabin

For other accessories and equipment for characteristics and dimension, please see the "equipment catalogue".



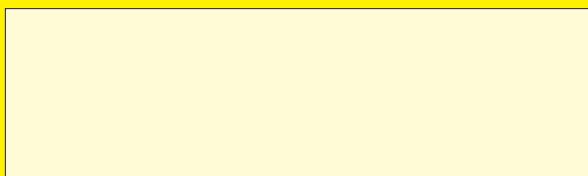
Date according to bucket type PL 155 with 14,5x20 tyres	PL155 STD.	PL155 XL	ENLARGED	EXTRA ENLARGED	4 : 1	HIGHER UNLOADING
Capacity heaped	m ³ 1,0	1,15	1,25	1,6	0,9	1,8
Material density	kg/m ³ 1800	1600	1200	1000	1900	800
Tipping load with aligned machine (ISO 14397)	kg 3788	4110	4050	4050	3729	3793
Tipping load in max articulated position (40°) (ISO 14397)	kg 3374	3660	3607	3607	3320	3378
Lifting capacity at max height	kN 31,8	31,3	30,8	30,3	30,8	27,1
Breakout force	kN 66,2	62	62	55,1	66,2	-
E Total length	mm 5409	5450	5450	5520	5409	5785
L Max lifting height	mm 4167	4212	4212	4387	4167	5090
D Bucket width	mm 2000	2100	2200	2300	2000	2000
U Clearance diameter	mm 9510	9630	9725	9870	9510	9830
G Digging depth	mm 100	100	100	100	100	120
H Dump height 45°	mm 2613	2578	2578	2508	2613	3906
J Reach at max height	mm 960	995	995	1067	960	1300
N Max reach	mm 1090	1110	1110	2045	1090	2170
Operating weight	kg 5900	6100	6150	6250	5950	6300

PL 155 with 14,5x20 tyres	
A	2750 mm
A1	43°
B	4668 mm
B1	45°
C	2266 mm
C1	1000 mm
D1	70 mm
E1	40°
F	320 mm
I	3335 mm
M	3160 mm
O	60°
S	96°
T	4300 mm
V	2380 mm
X	1600 mm
Y	1865 mm
Z	3080 mm

Data with universal forks Centre of gravity 500 mm	
Tipping load articulated (ISO 14397)	kg 2454
Operative load EN 474-3, 80%	kg 1963
Operative load EN 474-3, 60%	kg 1472
Operative load 80%, transport position, articulated 40°	kg 1963

1)	813 mm	6)	500 mm
2)	1592 mm	7)	1037 mm
3)	3195 mm	8)	1000 mm
4)	500 mm	9)	2585 mm
5)	1505 mm		

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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

CE MACHINE IN CONFORMITY TO THE
NEW MACHINES' STANDARDS
We reserve the right to change technical data,
so all characteristics are purely indicative.
Pictures don't show necessarily the
machine in standard version.