

ENGINE

Complies with European Directive Model	97/68 CE - STAGE 3
Max power ISO TR14396	Yanmar 4TNV98-Z
Regimen adjusted	HP - kW 69,5 (51,1)
Power adjusted CEE 80/1269	rpm 2500
Numbers of cylinders	HP - kW 69,5 (51,1)
Injection	4
Intake	Direct and electronic with EGR System
Displacement	Natural
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.

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

Opt. hydrostatic pump for max speed 31km/h

SPEED

		1 st	2 nd automatic
Standard speed (with 14,5 - 20 tyres)			
Forwards	Km/h	0 ÷ 6,5	0 ÷ 21
Backwards	Km/h	0 ÷ 6,5	0 ÷ 21
Optional speed (with 14,5 - 20 tyres)			
Forwards	Km/h	0 ÷ 8,5	0 ÷ 31
Backwards	Km/h	0 ÷ 8,5	0 ÷ 31

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 master cylinder brake, autoregistrating dry disk on the transmission shaft acting upon all four wheels.

Parking brakes: Standard: mechanical dry on the transmission shaft.

Optional: negative dry on the transmission shaft with electrical control.

HYDRAULIC SYSTEM

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

Max pump capacity	68 l
Max pump pressure	240 kg/cm ²
Loader lifting cylinder	Bore x Stroke 70 x 660 mm
Loader bucket cylinder	Bore x Stroke 85 x 456 mm
Hydraulic cycle time	9"
Oil tank capacity, circuit included	85 kg

STEERING

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

TYRES

Standard:	driving type	12,5 - 20
Optional:		14,5 20 - 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	1460 mm
Extrnal tyres width	(with 14,5 - 20) 1815 mm

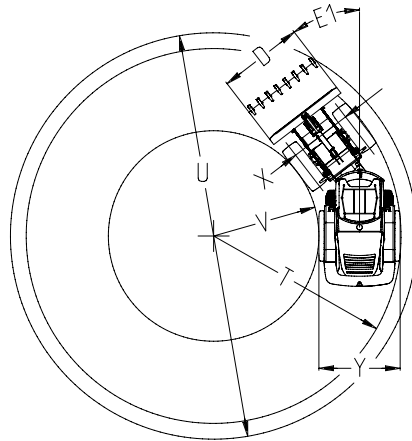
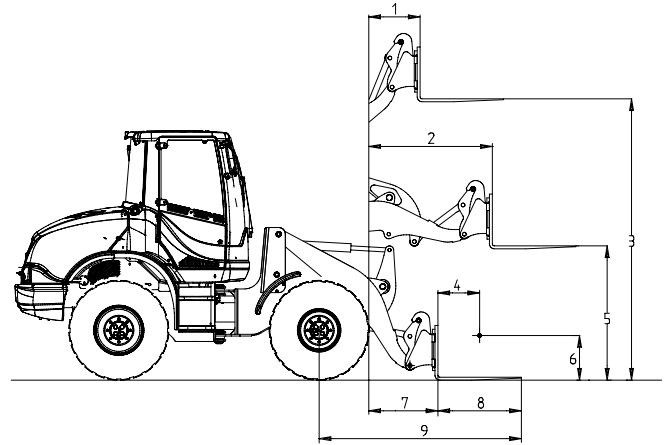
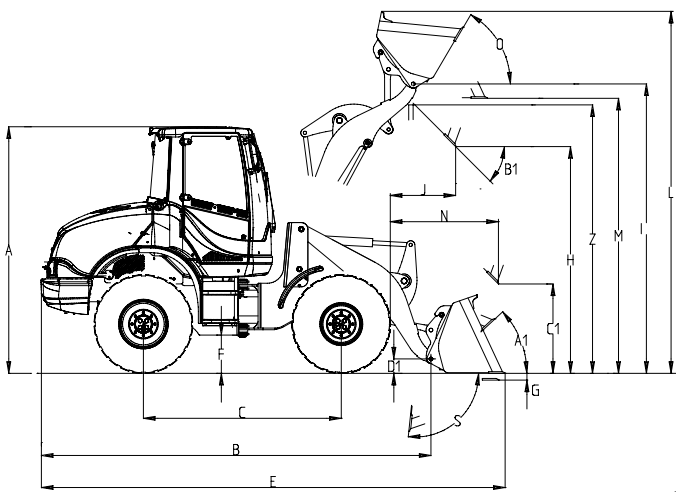
STANDARD EQUIPMENT

- 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 homologation for daily and night circulation
- CE Certification

OPTIONAL EQUIPMENT

- Hydraulic quick bucket connection
- Universal forks
- Enlarged bucket
- 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
- Fast speed version

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



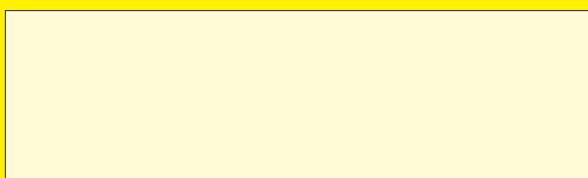
Date according to bucket type PL 145 with 14,5x20 tyres	PL145 STD.	PL145 XL	ENLARGED	EXTRA ENLARGED	4 : 1	HIGHER UNLOADING
Capacity heaped	m ³ 0,9	1,0	1,15	1,4	0,8	1,5
Material density	kg/m ³ 1800	1600	1200	1000	1900	800
Tipping load with aligned machine (ISO 14397)	kg 3288	3610	3550	3550	3228	3325
Tipping load in max articulated position (40°) (ISO 14397)	kg 2928	3215	3162	3162	2875	2961
Lifting capacity at max height	kN 25,8	25,3	24,8	24,3	24,8	21,7
Breakout force	kN 55,2	55,2	51,7	45,9	55,2	-
E Total length	mm 5574	5574	5624	5724	5574	6058
L Max lifting height	mm 4080	4080	4126	4300	4080	5002
D Bucket width	mm 1900	2000	2100	2200	1900	1900
U Clearance diameter	mm 9415	9507	9628	9780	9415	9740
G Digging depth	mm 100	100	100	100	100	120
H Dump height 45°	mm 2502	2502	2465	2391	2502	3825
J Reach at max height	mm 1013	1013	1047	1114	1013	1390
N Max reach	mm 1092	1092	1110	2045	1092	2021
Operating weight	kg 4900	5100	5150	5250	4950	5300

PL 145 with 14,5x20 tyres	
A	2720 mm
A1	43°
B	4724 mm
B1	48°
C	2266 mm
C1	1000 mm
D1	70 mm
E1	40°
F	320 mm
I	3250 mm
M	3075 mm
O	60°
S	96°
T	4300 mm
V	2407 mm
X	1460 mm
Y	1315 mm
Z	3000 mm

Data with universal forks Centre of gravity 500 mm	
Tipping load articulated (ISO 14397)	kg 2133
Operative load EN 474-3, 80%	kg 1706
Operative load EN 474-3, 60%	kg 1280
Operative load 80%, transport position, articulated 40°	kg 1706

1)	907 mm	6)	500 mm
2)	1592 mm	7)	702 mm
3)	3110 mm	8)	1037 mm
4)	500 mm	9)	2585 mm
5)	1504 mm		

PALOAD is a mark produced by Palazzani industrie S.p.A.
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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.