

## ENGINE

Complies with European Directive	97/68 CE - STAGE 3	97/68 CE - STAGE 4F
MaxPower	HP - kW 130 - 95,8	HP - kW 126,5 - 93
Regimen adjusted	rpm 2200	rpm 2200
Number of cylinders	4 charged intercooler	4 charged intercooler
Injection	Direct and electronic	Direct and electronic
Intake	Turbo	Turbo
Displacement	cc. 4400	cc. 4400
Cooling	Water	Water
Air filter with double protection	Dry	Dry
Electrical equipment	12 volt	12 volt
Free maintenance battery	180 Ah	180 Ah
Self regulated alternator	1140 W	1140 W
Fuel tank capacity	180 l	180 l
Water radiator	Hydraulic fan	Hydraulic fan

## TRANSMISSION

High-pressure, closed-loop hydrostatic transmission, with automatic adjustment of power, axial pistons pump and engine at variable displacement. Inching pedal control for traction regulation, modulating, integrated in the service brake pedal. Automatic working speed selection. N°4 forward and backward speeds: 2 workingspeeds + 2 transfer speeds with electronic controls at the joystick.

## SPEED

		1 <sup>st</sup>	2 <sup>nd</sup> automatic
Working speed (with 17,5 R25 tyres)			
Forwards	Km/h	0 ÷ 4	0 ÷ 13
Backwards	Km/h	0 ÷ 4	0 ÷ 13
Travel speed (with 17,5 R25 tyres)			
Forwards	Km/h	0 ÷ 11	0 ÷ 40
Backwards	Km/h	0 ÷ 11	0 ÷ 40

## AXLES

With epicycloid reduction on all four driving wheels, with automatic proportional self-locking differentials (or 100% opt.)

Front axle:	rigid
Rear axle:	rigid oscillating of a 25° total range steering.

## BRAKES

Duty brakes:	with hydraulic control on all four wheels at multiple disks under oil bath integrated in the axels, with 2 independent circuits.
Parking brakes:	electro-hydraulic automatic negative brake, acting on the front axle.

## HYDRAULIC SYSTEM

Composed by: hydraulic gear pump, modular distributor with main relief valve, double pump + fan-drive, shock-proof, anticavitation valve and unloading valve for the secondary pump discharge. Pressurised circuit.

Max pump capacity:	134 l
Max pump pressure:	250 Kg/cm <sup>2</sup>
Loader lifting cylinder:	Bore x Stroke 100 x 700 mm
Loader bucket cylinder:	Bore x Stroke 110 x 460 mm
Oil tank capacity:	80 l
Heat exchanger:	hydraulic fan

## STEERING

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

## TYRES

Standard:	driving type	15,5 - 25
Optional:		455/70 R24 radial
Optional:		15,5 R25 radial
Optional:		17,5 R25 radial
Optional:		17,5 - 25
Other models on request.		

## LOADER

Single hydraulic servo control lever for arm and bucket.  
 Electronic bucket floating and levelling "Z" boom kinematics.

## DIMENSIONS

Wheelbase	2750 mm
Front and rear track width	1800 mm
External tyres width	(with 15,5 - 25) 2204 mm

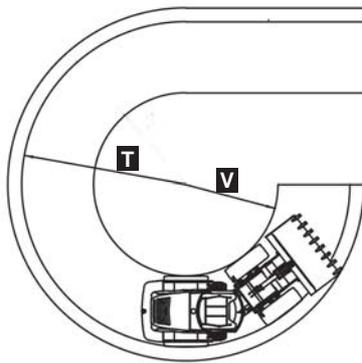
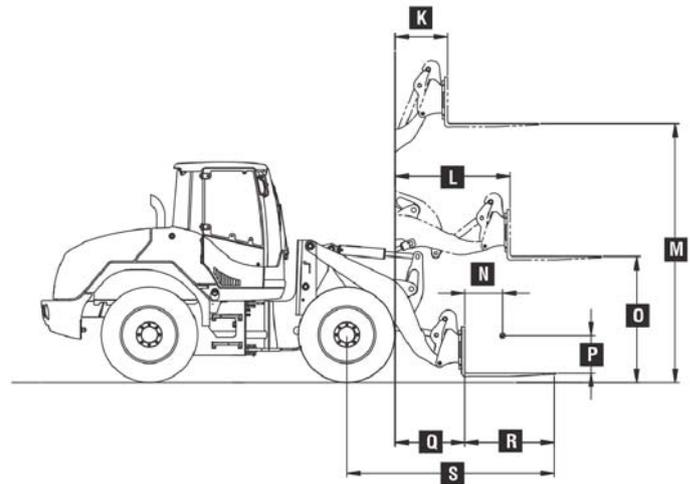
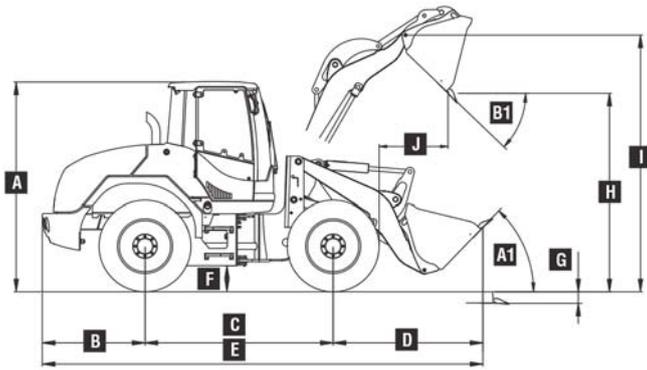
## STANDARD EQUIPMENT

- Loader servo control
- Automatic proportional self-locking differential on front axle
- Inching control on brake pedal (transmission speed regulations)
- Antipollution tank plug
- Bucket with screwed teeth
- 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 steering wheel
- Bucket electronic levelling
- Floating system
- Fan drive two speed
- Air conditioning predisposition
- Heating plant
- Air filter in aspiration from outside
- 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

- 100% differential locking on rear axle
- 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
- Fan drive with electronic reverse
- Video camera
- Pneumatic seat

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



Data with universal forks Centre of gravity 500 mm	STD.	XL
Operative load EN 474-3 (80%) kg	3643	3857
Operative load EN 474-3 (60%) kg	2732	2892

Date according to bucket type PL 185 with 15,5 x 25 tyres	STD.	PL 185 XL	ENLARGED	EXTRA ENLARGED	4:1	HIGHER UNLOADING	LONG BOOM WITH STD. BUCKET
Capacity heaped m <sup>3</sup>	1,5	1,6	1,6	2,0	1,30	2,5	1,5
Material density kg/m <sup>3</sup>	1800	1800	1500	1200	1900	800	1800
Tipping load with aligned machine (ISO 14397) kg	6740	7145	6538	6875	6673	6522	5884
Tipping load in max articulated position (40°) (ISO 14397) kg	6018	6380	5838	6140	5958	5824	5254
Lifting capacity at max height (ground level) kN	45,45 97,05	45,45	44,45	43,45	44,45	41,12	39,24
Breakout force kN	75,87	75,87	75,87	66,36	75,87	/	66,36
E Total length mm	6240	6240	6240	6310	6240	6560	6757
Bucket width mm	2350	2400	2400	2400	2350	2400	2350
Rotation diameter mm	11350	11350	11400	11450	11350	11653	11782
G digging depth mm	80	80	80	80	80	80	250
H dump height 45° mm	2840	2840	2840	2743	2840	4215	3217
D front outreach mm	2170	2170	2170	2240	2170	2490	2687
J reach at max height mm	962	962	962	1055	962	1326	1283
Height at pin mm	/	/	/	/	/	/	4062
Operating weight kg	8500	8900	8600	9000	8550	9200	9200
Weight with hydraulic quick bucket connection kg	8650	9050	8750	9150	8700	9350	9350

PL 185 15,5 x 25 tyres	
A	2860 mm
B	1320 mm
C	2750 mm
F	365 mm
A1	45°
B1	45°
I	3680 mm
K	703 mm
L	1580 mm
M	3545 mm
N	500 mm
P	500 mm
Q	922 mm
R	1200 mm
S	2792 mm
T	5213 mm
O	1667 mm
V	2930 mm

PALOAD is mark produced by Palazzani Industrie S.p.A.  
NC 547 A 18 Technical sheet PL 185 english



COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

CE MACHINE DI CONFORMITÀ 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.