



Palload

by Palazzani

TECHNICAL SHEET PL55.2S

PL 55

ARTICULATED LOADER

ENGINE

Complies with European Directive	97/68 CE - STAGE 3
Model	Perkins 804D - 33T
Max. power	HP - kW 88,5 - 65
Regimen adjusted	rpm 2500
Net Power ISO TR14396	HP - kW 78,5 - 57,8
Net Power EEC 80/1269	HP - kW 78,5 - 57,8
Number of cylinders - injection	4 - direct
Intake	Turbo feeded
Displacement	cc. 3331
Cooling	water
Air filter with double protection	dry
Electrical equipment	volt 12
Free maintenance battery	Ah 100
Self regulated alternator	W 1080
Fuel tank capacity	l 80

TRANSMISSION

Hydrostatic transmission at closed circuit, with automatic adjustment of power, axial pistons pump and engine at variable displacement
Inching pedal control.
Automatic selection of working speed.
2 forward and 2 backward speeds, electrical control on the steering wheel and on the joystick.

SPEED

		1st	2nd automatic
Forwards	Km/h	0 ÷ 9	0 ÷ 30
Backwards	Km/h	0 ÷ 9	0 ÷ 30

AXLES

With epicycloid reduction gears on all four driving wheels.

Front axle:	rigid.
Rear axle:	oscillating of a 25° total range steering and automatic proportional self-locking differential.

BRAKES

Duty brakes:	with hydraulic control and servobrake, autoregistrating multiple disks under oil bath.
Parking brakes:	automatic negative brake with electro-hydraulic actionning on the front axle.

HYDRAULIC SYSTEM

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

Max pump capacity	95 l
Max pump pressure	210 Kg/cm ²
Loader lifting cylinder	Bore x Stroke 80 x 600 mm
Loader bucket cylinder	Bore x Stroke 90 x 400 mm
Hydraulic cycle time	8"
Oil tank capacity, circuit included	80 Kg

STEERING

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

Steering radius interior tyres	2165 mm
Steering radius exterior tyres	3950 mm
Steering radius exterior bucket	4500 mm

TYRES

Standard:	driving type	14,5 x 20	14 Pr
Optional:	narrow type	385/65 - 22,5	16 Pr
Optional:	wide type	405/70 R20 radial	
Other models on request.			

LOADER

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

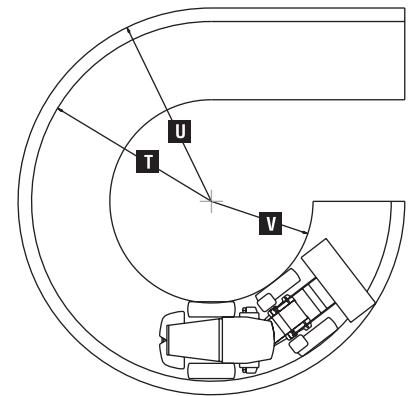
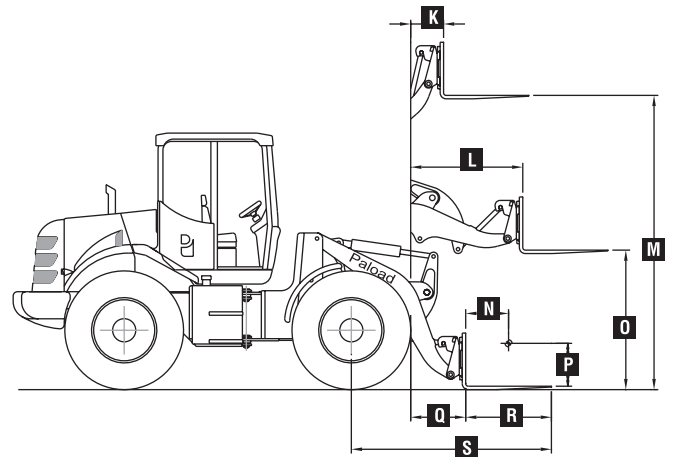
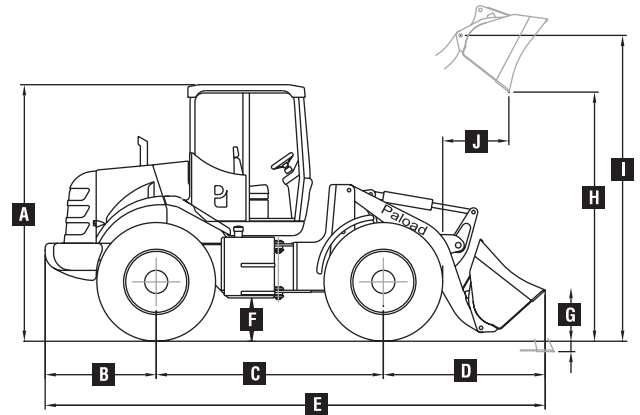
Standard bucket capacity	1,00 m ³
Standard bucket width	2000 mm
Breakout force	6100 kg
Lifting capacity at max height	2800 kg

DIMENSIONS AND WEIGHTS

Wheelbase	2200 mm
Front and rear track width	1430 mm
External tyres width	1785 mm
Bucket pin height	3350 mm
Unloading distance	825 mm
Standard operating weight	5400 kg
Max operating weight	6100 kg

STANDARD EQUIPMENT

- > Loader servocontrol.
- > Automatic proportional self locking differential on rear axle.
- > Inching pedal control (transmission speed regulation).
- > Hydraulic servobrake.
- > Antipollution tank plugs.
- > Bucket with screwed teeth.
- > Visual device for shovel positioning.
- > Reverse motion alarm.
- > Battery disconnecting switch.
- > Front and rear work lights.
- > Rotating lamp with magnetic fixing.
- > Shock absorbing and regulating seat with safety belt.
- > Regulating steering wheel.
- > Heating plant.
- > Air filter in aspiration from outside.
- > Rotoform roof for cabin protection.
- > Front mudguards in rotoform.
- > Unified key for lock and starting.
- > Tool box.
- > Use and maintenance manual, spare parts catalogue.
- > Accessories for road circulation.
- > 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 sidely unloading.
- > Mixer bucket.
- > Wood grab.
- > Snow blade or snow plough.
- > Front rotating brush.
- > Teeth blade.
- > Asphalt concrete milling.
- > Air filter with top spin.
- > Electric brake on inch pedal.
- > Electronic weighing system.
- > Air conditioning.
- > Theft protection.
- > Radio.
- > Long arm.
- > Floating element.
- > Ride control.
- > Eco-Drive gear, 4 speeds forward and 2 reverse.

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

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

OPERATIVE DATA

Tipping load with aligned machine Kg 3950 Operative load with forks EN 474-3 (80%) Kg 2200
 Tipping load in max articulated position Kg 3600 Operative load with forks EN 474-3 (60%) Kg 1650

A	mm 2800	G	mm 75	K	mm 525	Q	mm 690	T	mm 3950
B	mm 1310	H	mm 2700	L	mm 1325	R	mm 1000	U	mm 4500
C	mm 2200	I	mm 3350	M	mm 3150	S	mm 2230	V	mm 2165
D	mm 1750	J	mm 825	N	mm 500				
E	mm 5260			O	mm 1475				
F	mm 380			P	mm 500				

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