



Palload

by Palazzani

TECHNICAL SHEET PB50.2S

PB 50

4 STEERING WHEEL BACKHOE LOADER

ENGINE

Complies with European Directive	97/68 CE - STAGE 2
Model	Perkins 804C - 33T
Max. power ISO TR14396	HP - kW 75 - 55
Regimen adjusted	rpm 2600
Power adjusted CEE 80/1269	HP - kW 72 - 53
Power adjusted ISO 9249	HP - kW 72 - 53
Number of cylinders- Injection	4 - direct
Intake	Turbo feeled
Displacement	cc. 3331
Cooling	water
Air filter with double protection	dry
Electrical equipment	volt 12
Free maintenance battery	Ah 100
Self regulated alternator	W 600
Fuel tank capacity	l 70

TRANSMISSION

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

SPEED

		1st	2nd
Forwards	Km/h	0 ÷ 9	0 ÷ 31
Backwards	Km/h	0 ÷ 9	0 ÷ 31

AXLES

With epicycloid reduction gears on all four driving wheels.

Front axle:	steering and oscillating of a 20° total range.
Rear axle:	steering and fixed to the chassis, with automatic proportional self-locking differential.

BRAKES

Duty brakes:	with hydraulic control, autoregistrating multiple disks under oil bath.
Parking brakes:	manually operated, multiple disks under oil bath.

HYDRAULIC SYSTEM

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

Max pump capacity	74 l
Max pump pressure	210 Kg/cm ²
Loader lifting cylinder:	Bore x Stroke 70 x 600 mm
Loader bucket cylinder:	Bore x Stroke 75 x 400 mm
Hydraulic cycle time	8"
Oil tank capacity, circuit included	80 Kg

STEERING

Servoassisted, with hydroguide, on all 4 wheels.
The hydraulic system is "Load Sensing" equipped.

Steering radius interior tyres	1230 mm
Steering radius exterior tyres	2900 mm
Steering radius exterior bucket	3900 mm

Steering system at 3 functions:

- > 2 front steering wheels
- > 4 steering wheels
- > "CRAB"

TYRES

Standard:		365/70 - R18	
Optional:	narrow type	12.5 x 20	10 Pr
Optional:	wide type	400/70 - R20	
Other models on request.			

LOADER

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

Standard bucket capacity	0,75 m ³
Standard bucket width	1900 mm
Breakout force	5140 kg
Lifting capacity at max height	2450 kg

BACKHOE

Two independent stabilizers with blocking valves.
Side translation with four hydraulic locking devices.
Block of rotation and arm lowering with hydraulic control.

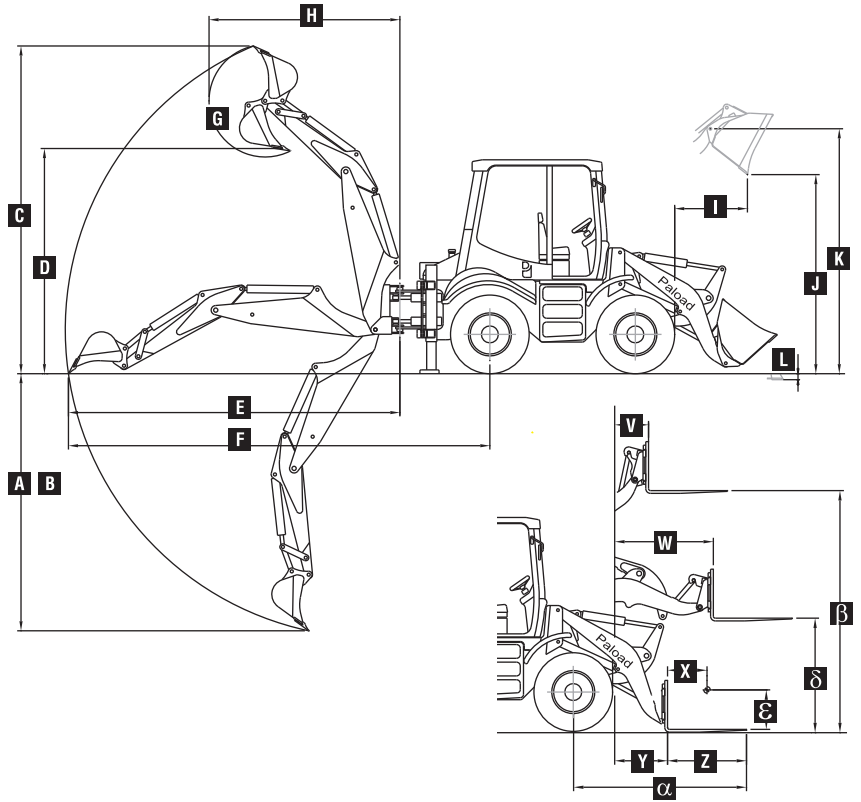
Type	PRE 38
Standard bucket capacity 400 mm	90 l
Dipperstick max penetration capacity	2600 Kg
Max breakout force on the bucket tip	3600 kg
Lifting capacity on the bucket pin	1000 kg
A - max digging depth	3650 mm
B - standard digging depth	3400 mm
Max dump height	2900 mm
Rotation angle	180°

DIMENSIONS AND WEIGHTS

Max length in moving position	5075 mm
Max width in moving position	1900 mm
Front and rear track width	1490 mm
Ground clearance	375 mm
External tyres width	1840 mm
Standard operating weight	5500 kg
Max operating weight	6000 kg

STANDARD EQUIPMENT

- > Loader servocontrol.
- > Automatic proportional self locking differential on rear axle.
- > Inching pedal control (transmission speed regulation).
- > Antipollution tank plugs.
- > Bucket with screwed teeth.
- > Rotating and downward stop of backhoe boom with hydraulic control.
- > 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

ON LOADER

- > Hydraulic quick bucket connection.
- > 4:1 multipurpose bucket.
- > Bucket with sidely unloading.
- > Mixer bucket.
- > Front rotating brush.
- > Teeth blade.
- > Asphalt concrete milling.
- > Universal forks.
- > Theft protection.
- > Snow blade or snow plough.
- > Front arm with hydraulic shredder.
- > Eco-Drive gear, 4 speeds forward and 2 reverse.
- > Ride control.
- > Automatic proportional self locking differential on front axle.
- > Air conditioning.

ON BACKHOE

- > Mechanic quick bucket connection.
- > Ditching buckets of different sizes.
- > Trenching buckets of different sizes.
- > Ditch cleaning bucket.
- > Hydraulic hammer.
- > Hydraulic auger.
- > Rubber pads.
- > Hydraulic offset for side digging.
- > Telescopic dipperstick.

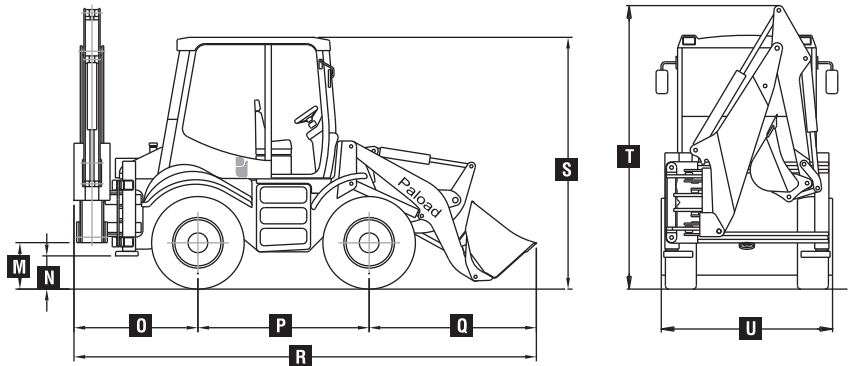
For other accessories and equipment, for characteristics and dimensions, please see the "equipment catalogue".

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

OPERATIVE DATA

Operative load with forks EN 474-3 (80%) Kg 2100
Operative load with forks EN 474-3 (60%) Kg 1570

A	mm 3650	J	mm 2600	V	mm 650	M	m 525	T	mm 2980
B	mm 3400	K	mm 3200	W	mm 1460	N	mm 375	U	mm 1900
C	mm 4250	L	mm 75	Z	mm 1000	O	mm 1375		
D	mm 2900			X	mm 500	P	m 1900		
E	mm 4350			Y	mm 885	Q	mm 1800		
F	mm 5500			α	mm 2400	R	mm 5075		
G	202°			β	mm 3060	S	mm 2830		
H	mm 2660			δ	mm 1440				
I	mm 925			ε	mm 500				



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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.

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