

ENGINE

Complies with European Directive Model	97/68 CE - STAGE 3A PERKINS 1104D - E44T	97/68 CE - STAGE 4/TIER 4F PERKINS 854F - E34TA
Max power	HP - kW 101 - 74,5	HP - kW 113 - 83
Regimen adjusted	giri/min 2200	giri/min 2200
Numbers of cylinders - injection	4 - direct and electronic	4 - direct and electronic
Intake	Turbo powered	Turbo powered
Cooling	Water with hydraulic fan-drive	Water with hydraulic fan-drive
Air filter with double protection	Dry	Dry
Electrical equipment	12 volt	12 volt
Free maintenance battery	125 Ah	125 Ah
Self regulated alternator	1440 W	1440 W
Fuel tank capacity	160 l	150 l

TRANSMISSION

Hydrostatic transmission at closed circuit, with automatic adjustment of power, axial pistons pump and motor at variable displacement.
Inching pedal control, modular integrated in the service brake pedal.
Manual selection of working speed.
2 forward and 2 backward speeds, electrical control on joystick.
Mechanical gearbox with 2 speeds with electrical control and electrical approval.
4 speeds; 2 working speeds + 2 travel speeds.

SPEED

Working speed (with tyres 15,5 R25)		1st	2nd
Forwards	Km/h	0 ÷ 0,5	0 ÷ 1,3
Backwards	Km/h	0 ÷ 0,5	0 ÷ 1,3
Travel speed (with tyres 15,5 R25)		1st	2nd
Forwards	Km/h	0 ÷ 0,15	0 ÷ 4,0
Backwards	Km/h	0 ÷ 0,15	0 ÷ 4,0

AXLES

With epicycloid reduction gears on all permanent four driving wheels.
Front axles: rigid, fixed on the chassis with proportional self-locking differential (Limited Slip)
Rear axles: rigid and oscillating of a 20° total range, with self-locking differential. Bridge oscillation locking with electro-hydraulic control.

BRAKES

Duty brakes: hydraulically on all four wheel with 2 independent circuits, with multiple disk in oil bath, autoregistrating.
Parking brakes: negative automatic brake with electro-hydraulic activation.

HYDRAULIC SYSTEM

Composed with: triple heavy-duty hydraulic gear pump (n 2 pumps for hydraulic system, n 1 for the fan-drive), distributor with relief, shock-proof, anticavitation and unloading valve.
Pressurised circuit.
Max pumps capacity 150 l
Max pump pressure 250 kg/cm²
Loader lifting cylinder Bore x Stroke 85 x 675 mm
Loader bucket cylinder Bore x Stroke 100 x 434 mm
Hydraulic cycle time 8"
Oil tank capacity, circuit included 95 l

STEERING

Servoassisted, with hydroguide, on the two frames.
The hydraulic system is "Load Sensing" equipped.

Steering radius interior tyres	2400 mm
Steering radius exterior tyres	4500 mm
Steering radius exterior bucket	4900 mm

TYRES

Standard:	16/70 - 24
On request:	17.5 L24 - 405/70 R24 - 15.5 R25

LOADER

Single electrical proportional servocontrol lever for arm and bucket.
Boom with "Z" cynematism.
Standard bucket capacity 1,2 m³
Standard bucket width 2250 mm
Breakout force 69 kN
Lifting capacity at max height 41,7 kN
Lifting capacity at ground level 76,6 kN

BACKHOE

Double hydraulic servocontrol.
Two independent stabilizers with blocking valves.
Side translation with four hydraulic locking devices.
Block of rotation and arm lowering with hydraulic control.
Type PRE 46.2
Standard bucket capacity 400 mm 168 l
Dipperstick max penetration capacity (on bucket tooth) 4210 kg
Dipperstick max penetration capacity (on bucket pivot) 5520 kg
Max breakout force on the bucket tip 5696 kg
Lifting capacity on the bucket pin 1500 kg
A - max digging depth 4600 mm
B - standard digging depth 4300 mm
A1 - max digging depth with extended telescopic arm 5600 mm
B1 - standard digging depth with extended telescopic arm 5300 mm
Max dump height 3710 mm
Rotation angle 180°

DIMENSIONS AND WEIGHTS

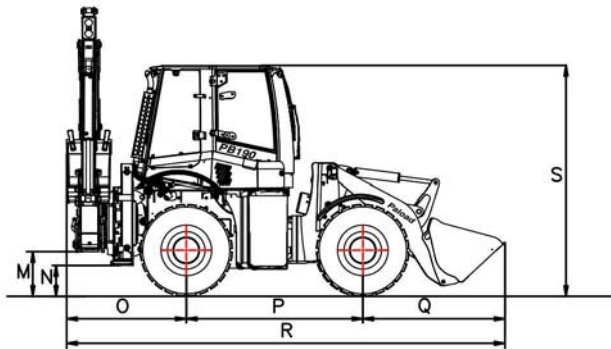
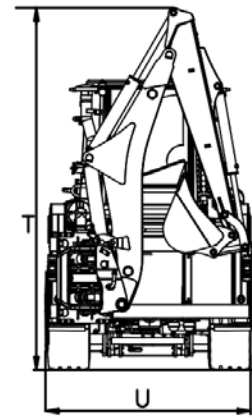
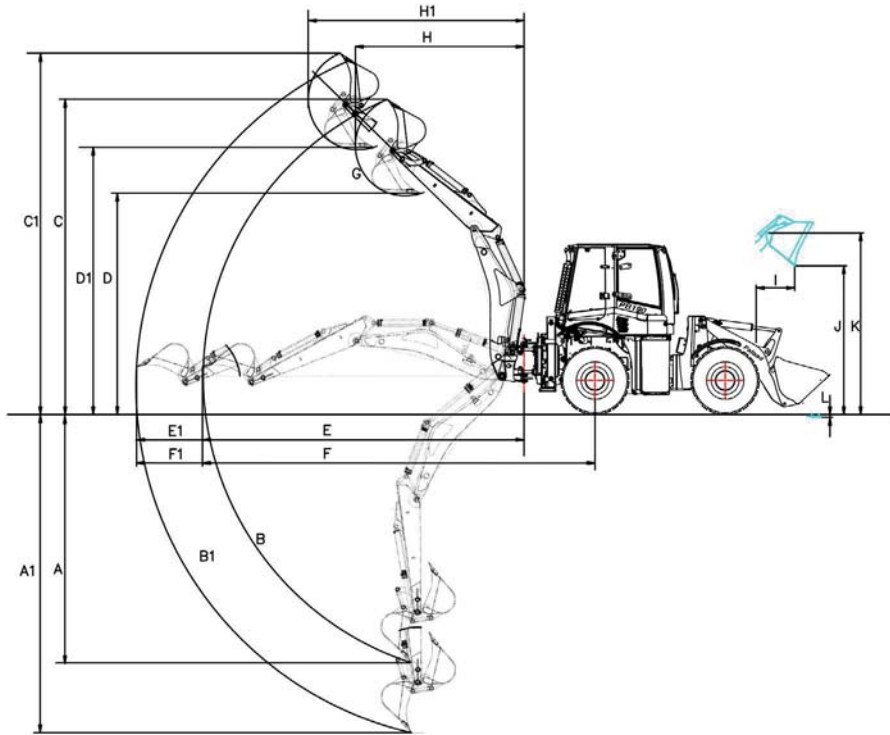
Max length in moving position 5874 mm
Max width in moving position 2250 mm
Wheelbase 2360 mm
Front and rear track width 1730 mm
Ground clearance 380 mm
External tyres width 2137 mm
Standard operating weight 8100 kg
Max operating weight 8700 kg

STANDARD EQUIPMENT

- > Backhoe + Loader electronic servocontrol
- > Proportional self-locking differential (Limited Slip) on front and rear axle
- > Inching idraulic control (transmission speed regulations)
- > Antipollution tank plugs
- > Bucket with screwed teeth
- > Rotating and downward stop of backhoe boom
- > Visual device for shovel positioning
- > Reverse motion alarm
- > Battery disconnecting switch
- > Front and rear led works light
- > Rotating lamp with magnetic fixing
- > Shock absorbing and regulating seat, with safety belt
- > Regulating steering wheel
- > Heating plant
- > Air filter in aspiration from outside
- > Tool box
- > Use and maintenance manual, spare parts catalogue
- > Accessories for road circulation
- > Road homologation for daily and night circulation
- > CE Certification
- > Hydraulic fan drive + electronic reverse

OPTIONAL EQUIPMENT

- | | |
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| <p>ON LOADER</p> <ul style="list-style-type: none"> > Hydraulic quick bucket connection > 4x1 multipurpose bucket (6x1) > Bucket with side unloading > Mixer bucket > Front rotating brush > Teeth blade > Asphalt concrete milling > Universal forks > Theft protection > Snow blade or snow plough > Front arm with shredder > Ride control > Air conditioning > Snow turbine > Hydraulic fan drive with electronic reverse | <p>ON BACKHOE</p> <ul style="list-style-type: none"> > Hydraulic quick bucket connection > Ditching buckets of different sizes > Trenching buckets > Ditch cleaning bucket > Hydraulic hammer > Hydraulic auger > Rubber pads > Hydraulic joint for side unloading > Telescopic dipperstick > Removal backhoe + additional counterweight |
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OPERATIVE DATA							
Operative load with forks EN 474-3 (80%) Kg 3000							
Operative load with forks EN 474-3 (60%) Kg 2250							
A	4600 mm	V	475 mm	M	525 mm	T	3820 mm
A1	5600 mm	W	1355 mm	N	350 mm	U	2250 mm
B	4300 mm	Z	1000 mm	O	1605 mm		
B1	5300 mm	X	500 mm	P	2360 mm		
C	5456 mm	Y	740 mm	Q	1909 mm		
C1	6405 mm	α	2160 mm	R	5874 mm		
D	3710 mm	β	3250 mm	S	3030 mm		
D1	4659 mm	δ	1525 mm				
E	5520 mm	ϵ	500 mm				
E1	6520 mm						
F	6810 mm						
F1	7810 mm						
G	202°						
H	2850 mm						
H1	3925 mm						
I	914 mm						
J	2500 mm						
K	3360 mm						
L	75 mm						

Dimensions with tyres 16/70 - 24

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

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

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AERIAL TITANS

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