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## 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	2200 rpm	2200 rpm
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)		1 <sup>st</sup>	2 <sup>nd</sup>
Forwards	Km/h	0 ÷ 0,5	0 ÷ 13
Backwards	Km/h	0 ÷ 0,5	0 ÷ 13
Travel speed (with tyres 15,5 R25)		1 <sup>st</sup>	2 <sup>nd</sup>
Forwards	Km/h	0 ÷ 0,15	0 ÷ 40
Backwards	Km/h	0 ÷ 0,15	0 ÷ 40

## AXLES

With epicycloid reduction gears on all 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 proportional (limited slip) self-locking differential.  
Bridge oscillation locking with electro-hydraulic control.

## BRAKES

Duty brakes: hydraulically on the 4 wheels with two independent circuit, with multiple disks under 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 pump capacity 150 l  
Max pump pressure 250 kg/cm<sup>2</sup>  
Loader lifting cylinder Bore x Stroke 95 x 710 mm  
Loader bucket cylinder Bore x Stroke 105 x 422 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	4600 mm
Steering radius exterior bucket	5000 mm

## TYRES

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

## LOADER

Single electrical proportional servocontrol lever for arm and bucket.  
Boom with "Z" cynematism.  
Standard bucket capacity 1,4 m<sup>3</sup>  
Standard bucket width 2400 mm  
Breakout force 76,5 kN  
Lifting capacity at max height 40,6 kN  
Lifting capacity at ground level 95,1 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 48,2  
Standard bucket capacity 600 mm 168 l  
Dipperstick max penetration capacity (on bucket tooth) 3500 kg  
Dipperstick max penetration capacity 5340 kg  
Max breakout force on the bucket tip 6100 kg  
Lifting capacity on the bucket pin 1550 kg  
A - max digging depth 5000 mm  
B - standard digging depth 4600 mm  
A1 - max digging depth with extended telescopic arm 6300 mm  
B1 - standard digging depth with extended telescopic arm 5800 mm  
Max dump height 3960 mm  
Rotation angle 180°

## DIMENSIONS AND WEIGHTS

Max lenght in moving position 6063 mm  
Max width in moving position 2400 mm  
Front and rear track width 1790 mm  
Ground clearance 380 mm  
External tyres width 2235 mm  
Standard operating weight 8800 kg  
Max operating weight 9400 kg

## STANDARD EQUIPMENT

- > Backhoe + Loader electronic servocontrol
- > Telescopic dipperstick
- > Proportional self-locking differential (Limited Slip) on front and rear axle
- > Inching idraulic control (transmission speed regulation)
- > Antipollution tank plugs
- > Hydraulic fan drive
- > 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 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
- > Tool box
- > Use and maintenance manual, spare parts catalogue
- > Accessories for road circulation
- > Road homologation for daily and night circulation
- > CE Certification

## OPTIONAL EQUIPMENT

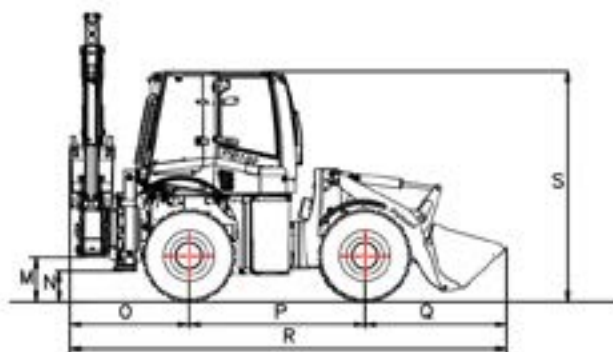
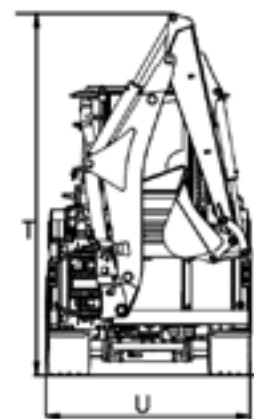
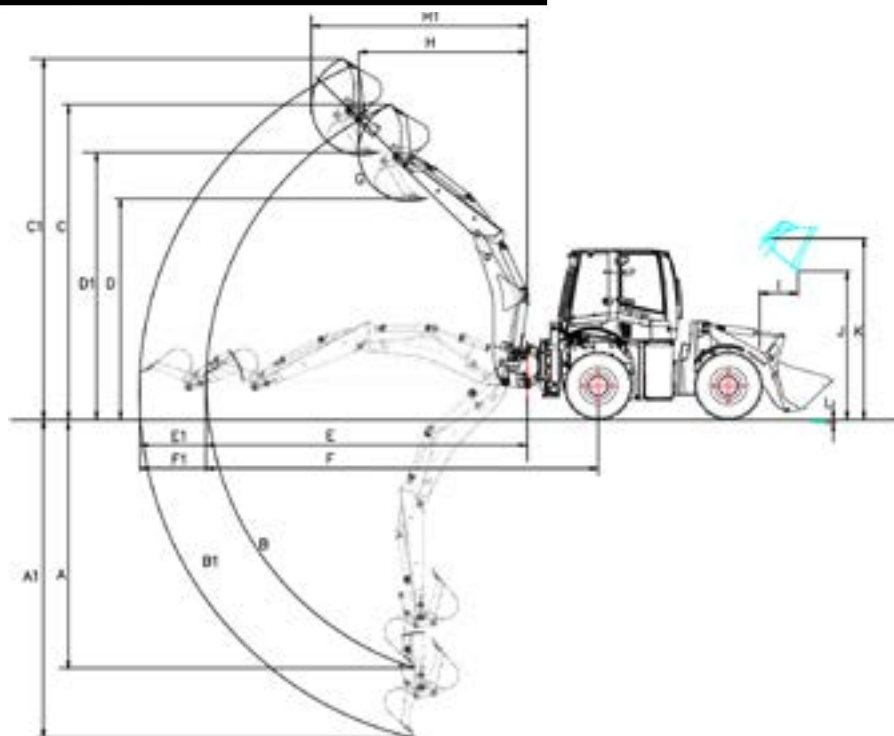
### ON LOADER

- > Hydraulic quick bucket connection
- > 4x1 - 6x1 multipurpose bucket
- > 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 turbin
- > Hydraulic fan drive with electronic reverse

### ON BACKHOE

- > Hydraulic quick bucket connection
- > Ditching buckets of different sizes
- > Trenching buckets
- > Ditch cleaning bucket
- > Hydraulic hammer
- > Hydraulic auger
- > Rubber pads
- > Hydraulic offset for side digging
- > Removal backhoe + additional counterweight

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## OPERATIVE DATA

Operative load with forks EN 474-3 (80%) Kg 3800  
Operative load with forks EN 474-3 (60%) Kg 2850

<b>A</b>	5000 mm	<b>V</b>	465 mm	<b>M</b>	555 mm	<b>T</b>	3850 mm
<b>A1</b>	6300 mm	<b>W</b>	1390 mm	<b>N</b>	380 mm	<b>U</b>	2400 mm
<b>B</b>	4600 mm	<b>Z</b>	1000 mm	<b>O</b>	1605 mm		
<b>B1</b>	5800 mm	<b>X</b>	500 mm	<b>P</b>	2460 mm		
<b>C</b>	5580 mm	<b>Y</b>	800 mm	<b>Q</b>	1998 mm		
<b>C1</b>	6405 mm	<b>α</b>	2410 mm	<b>R</b>	6063 mm		
<b>D</b>	3960 mm	<b>β</b>	3350 mm	<b>S</b>	3030 mm		
<b>D1</b>	4795 mm	<b>δ</b>	1550 mm				
<b>E</b>	5845 mm	<b>ε</b>	500 mm				
<b>E1</b>	7045 mm						
<b>F</b>	7135 mm						
<b>F1</b>	8335 mm						
<b>G</b>	202°						
<b>H</b>	3065 mm						
<b>H1</b>	3925 mm						
<b>I</b>	967 mm						
<b>J</b>	2702 mm						
<b>K</b>	3515 mm						
<b>L</b>	75 mm						

Dimensions with tyres 15,5 R25

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.

NC 533 A 18 Technical sheet PB 190 english