



**Paload**  
by Palazzani

TECHNICAL SHEET PL1105

# PL 1105

## ARTICULATED LOADER

### ENGINE

Complies with European Directive Model	97/68 CE - STAGE 3
Max. power ISO TR14396	Perkins 1104D - E44TA
Regimen adjusted	HP - kW 149 - 109,4
Power adjusted CEE 80/1269	rpm 2200
Power adjusted ISO 9249	HP - kW 130 - 96
Number of cylinders - injection	4 - direct- electronic
Intake	Turbo feeded intercooler
Displacement	cc. 4400
Cooling	water
Air filter with double protection	dry
Electrical equipment	volt 12
Free maintenance battery	Ah 105
Self regulated alternator	W 1020
Fuel tank capacity	l 130
Water radiator	Hydraulic fan

### TRANSMISSION

High-pressure, closed-loop hydrostatic transmission, with automatic adjustment of power, pump at variable capacity, n° 2 hydraulic motors with axial pistons at variable displacement.  
Inching pedal control for traction regulation, modulating, integrated in the service brake pedal  
3 speeds forwards and 3 speeds backwards with electric control on the steering wheel and on the joystick with the possibility to change speed and reverse in motion and under load (HYDROSTATIC SHIFT)

### SPEED

		1 <sup>a</sup>	2 <sup>a</sup>	3 <sup>a</sup>
Forwards	km/h	0 ÷ 5	0 ÷ 16	0 ÷ 40
Backwards	km/h	0 ÷ 5	0 ÷ 16	0 ÷ 40

### AXLES

With epicycloids reduction on all four driving wheels.

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

### BRAKES

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

### HYDRAULIC SYSTEM

Composed by: two hydraulic gear pumps at sum of capacity with unloading system, modular distributor with max pressure relief valve and shock-proof and anticavitation valves on uses.  
Pressurised circuit.

Max double pump capacity	154 l (94 + 60)
Max pump pressure	225 kg/cm <sup>2</sup>
Loader lifting cylinder	bore x stroke 105 x 750 mm
Loader bucket cylinder	bore x stroke 120 x 485 mm
Oil tank capacity	70 l
Heat exchanger	hydraulic fan

### STEERING

Servo assisted, with hydro guide at double displacement and articulated chassis. Total steering angle of 80°. The hydraulic system is "Load Sensing" equipped.

Steering radius interior tyres	3050 mm
Steering radius exterior tyres	5300 mm
Steering radius exterior bucket	5760 mm

### TYRES

Standard:	20,5 - 25
Optional:	20,5 R 25

### LOADER

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

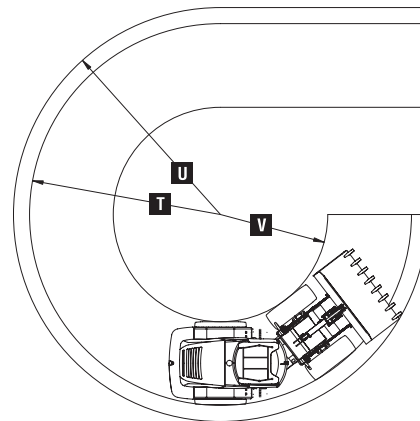
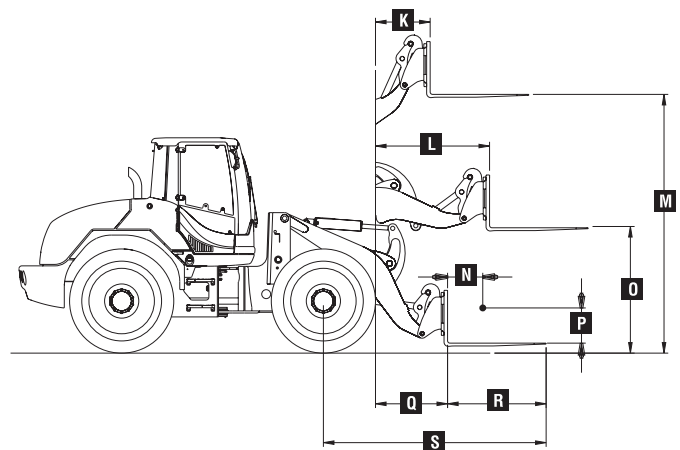
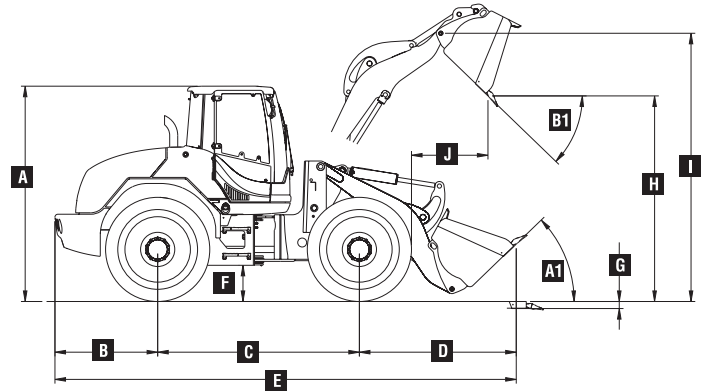
Standard bucket width and capacity	2480 mm - 1,90 m <sup>3</sup>
Enlarged bucket width and capacity	2480 mm - 2,00 m <sup>3</sup>
Breakout force	9950 kg
Lifting capacity at max height	4400 kg

### DIMENSIONS AND WEIGHTS

Wheelbase	2850 mm
Front and rear track width	1840 mm
External tyres width	2417 mm
Bucket pin height	3750 mm
Unloading distance (with bucket at 45°)	1085 mm
Unloading height (with bucket at 45°)	2920 mm
Standard operating weight	10600 kg
Max operating weight	11000 kg

**STANDARD EQUIPMENT**

- > Loader servo control
- > Automatic proportional self-locking differential on front and rear axle
- > Inching pedal control (transmission speed regulation)
- > Antipollution tank plugs
- > 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
- > 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**

- > 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

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 8900      Operative load with forks EN 474-3 (80%) kg 4800  
 Tipping load in max articulated position kg 7800      Operative load with forks EN 474-3 (60%) kg 3500

<b>A</b> mm 3065	<b>H</b> mm 2920	<b>K</b> mm 775	<b>R</b> mm 1400	<b>T</b> mm 5300
<b>B</b> mm 1460	<b>I</b> mm 3750	<b>L</b> mm 1620	<b>S</b> mm 3165	<b>U</b> mm 5760
<b>C</b> mm 2865	<b>J</b> mm 1085	<b>M</b> mm 3575		<b>V</b> mm 3050
<b>D</b> mm 2230		<b>N</b> mm 500		<b>A1</b> 45°
<b>E</b> mm 6555		<b>O</b> mm 1680		<b>B1</b> 45°
<b>F</b> mm 515		<b>P</b> mm 500		
<b>G</b> mm 100		<b>Q</b> mm 1025		

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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: 2000=**