

PT

182

192

1102

Paload
PALAZZANI



Paload skyline



From ancient Palazzani Workshop to modern Palazzani Industrie S.p.A.,
over 80 years of history, made in Italy.

Paload, earth moving machines division.
Palift, self-propelled aerial access platforms.

Palazzani Industrie S.p.A. trademarks

PT Wheel Loader with telescopic boom

182
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Servocontrol

With multifunctional joystick (equipments and speed controlling), to well operate and leave the operator left hand always free at the steering wheel

Levelling

Electronic bucket levelling and electronic parallelism with forks.

"Z" Loader

High unloading height, high bucket excursion, strong lifting and breakout force. New profile buckets for high penetration and capacity. Standard anti-usury steel blades

Brakes

With multiple disks in oil bath, on front axle acting on 4 wheels, with brake pump hydraulically operating (on PL 155 and PL 165)

Telescopic boom

Double telescopic boom for excellent unloading height (extra 1050mm extended). Locking valves and overload alarm.

Skyline cabin

Skyline cabin with paved full-integrated cell, mounted on anti-vibration devices to provide first rate acoustic isolation. Wide glasses, window on the roof. High comfort, wide visibility.

Side windows

180° opening, aligned with high resistance automatic connections. Optional air circulation in the cabin

Seat

With triple adjustment: longitudinal, vertical and lumbar. Progressive spring, adjusting armrests and integrated joystick holder (optional pneumatic version)

Cooling system

High output, with radiator in alluminium with tiled masses, for easy cleaning (optional fan drive + reverse)

Transmission

Hydrostatic transmission, with two hydraulic motors connected to a mono-gears mechanic transfer, max automatic speed from 0 to 40 km/h.

Axles

Carraro axles with proportional self-locking, acting on front and rear axles. Rear oscillating axle





1



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3



4

- 1** Cabin with integral cell, equipped with heating system, mounted on 4 big anti-vibration points for an efficient noise and vibration isolation. The wide glass surface, as well as the glass on the roof, gives great 360° visibility, allowing the operator to view the loading bucket even at max height. The seat, equipped with safety belts, is comfortable, with suspensions and with three adjusting positions. A document holder compartment is under the seat behind the backrest. The steering wheel is adjustable.
- 2** The chassis is articulated with rear oscillating axle and the diesel is in front in longitudinal position. These solutions allow the wheel loader high stability and traction in all use conditions. The building structure is designed for a coherence among balancing, traction force and hydraulic power, which translate in optimal productivity, always assuring the max reliability.
- 3** These wheel loaders are unique in their category, thanks to the patented double telescopic boom. An efficient solution to reach important outreaches and heights with maximum stability and visibility of the bucket load, with the performances of a wheel loader
- 4** In every engine start, the dashboard detects the diesel functions, displaying diagnostic codes in case of default.
- 5** The wheel loader can be equipped with many attachments, easily interchangeable thanks to the standard mechanic quick bucket connection. Industry, construction, agriculture, ecology are the main possible applications. All specific applications and required customizations are evaluated for a possible feasibility. This multipurpose aspect is the result of the Palazzani machines versatility.
- 6** Ordinary maintenance is easy because of the many points of interventions concentrated below the engine bonnet, locked with key. Here are located the filters, liquids levels, the gasoil and hydraulic oil tanks, the starter battery with safety lock. Air filter and hydraulic oil with higher capacity are adopted for longer maintenance intervals.

PALOAD WHEELED LOADERS COMPLETE RANGE

MODELS



Steering



Engine

N° of cylinders - displacement
Injection - intake
Power range (kW) HP

4 - 3319 direct with EGR-natural (53,25) - 71,35	4 - 3319 direct with EGR -natural (53,25) - 71,35	4 - 3319 direct with EGR - turbo (53,7) - 74	4 - 3319 direct with EGR - turbo (55,3) - 74
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Loader data

Bucket width (mm) - volume (m³)
Tot. Length (mm) - max weight (kg)
Unloading height at the pin (mm)

1900 - 0,9 5574 - 4900 3250	2000 - 1,00 5574 - 5100 3335	2000 - 1,00 5409 - 5300 3335	2000 - 1,15 5409 - 5900 3335
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Steering



Engine

N° of cylinders - displacement
Injection - intake
Power range (kW) HP

4 - 4400 direct and electronic-turbo (95,8) - 130	4 - 4400 direct and electronic-turbo (95,8) - 130	4 - 4800 direct and electronic-turbo (111) - 151	4 - 4400 direct and electronic-turbo (95,8) - 130	4 - 4400 direct and electronic-turbo (95,8) - 130	4 - 4800 direct and electronic-turbo (111) - 151
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Loader data

Bucket width (mm) - volume (m³)
Tot. Length (mm) - max weight (kg)
Unloading height at the pin (mm)

2350 - 1,5 6240 - 8650 3680	2400 - 1,60 6280 - 9360 3793	2540 - 2,10 6635 - 11850 3850	2250 - 1,4 6705 - 9000 4791 - 3987	2400 - 1,6 6707 - 9600 4936 - 4017	2540 - 2 7320 - 12200 5420 - 4360
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Find all detailed characteristics on the technical sheet of the model you're interested in

MAIN ACCESSORIES



Snowblade
Wood grab
Paper and branches grab
Asphalt milling
Air conditioning - Theft protection
Front arm with hydraulic shredder
Video camera



Mixing bucket
Universal forks
Extra enlarged buckets
Multipurpose bucket 4:1
Longer arm
Blades



Sweeper
Hydraulic quick bucket connection
Bucket with higher unloading
Electronic weighting system
Ride control
Front hydraulic kit

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

Your satisfaction is our success

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 necessary the machine in standard version.

Palazzani
INDUSTRIE

Palazzani Industrie S.p.A.
Via del Pavione, 4 - 25050 PADERNO F.C. (Brescia) Italy
Tel. + 39 030 6857073 - Fax. + 39 030 657079
www.palazzani.it - info@palazzani.it

ENGINE

Complies with European Directive	97/68 CE
Max Power	HP - kW 130 - 95,8
Regimen adjusted	rpm 2200
Number of cylinders	4 charged intercooler
Injection	Direct and electronic
Intake	Turbo
Displacement	cc. 4400
Cooling	Water
Air filter with double protection	Dry
Electrical equipment	12 volt
Free maintenance battery	180 Ah
Self regulated alternator	1140 W
Fuel tank capacity	180 l
Water radiator	Hydraulic fan

TRANSMISSION

High-pressure, closed-loop hydrostatic transmission, with automatic adjustment of power, axial pistons pump and engine at variable displacement. Inching pedal control for traction regulation, modulating, integrated in the service brake pedal. Automatic working speed selection. N°4 forward and backward speeds: 2 workingspeeds + 2 transfer speeds with electronic controls at the joystick.

SPEED

		1 st	2 nd automatic
Working speed (with 17,5 R25 tyres)			
Forwards	Km/h	0 ÷ 4	0 ÷ 13
Backwards	Km/h	0 ÷ 4	0 ÷ 13
Travel speed (with 17,5 R25 tyres)			
Forwards	Km/h	0 ÷ 11	0 ÷ 40
Backwards	Km/h	0 ÷ 11	0 ÷ 40

AXLES

With epicycloid reduction on all four driving wheels, with automatic proportional self-locking differentials (or 100% optional)

Front axle: rigid
 Rear axle: oscillating of a 25° total range steering.

BRAKES

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

HYDRAULIC SYSTEM

Composed by: hydraulic gear pump, modular distributor with main relief valve, double pump + fan-drive, shock-proof, anticavitation valve and unloading valve for the secondary pump discharge. Pressurised circuit.

Max pump capacity:	134 l
Max pump pressure:	250 Kg/cm ²
Loader lifting cylinder:	Bore x Stroke 100 x 700 mm
Loader bucket cylinder:	Bore x Stroke 120 x 490 mm
Oil tank capacity:	80 l
Heat exchanger:	hydraulic fan

STEERING

Servoassisted, with hydroguide and articulated chassis. Total steering angle of 80°. The hydraulic system is "Load Sensing" equipped with valve on the primary pump.

TYRES

Standard:	17,5 - 25
Optional:	15,5 x 25 radial
Optional:	500/70 R24 radial
Optional:	15,5 - 25
Optional:	17,5 R25 radial
Other models on request.	

LOADER

Single electronic servo control lever for arm and bucket.
 Electronic bucket levelling and electronic parallelism with forks.
 Telescopic boom, with 1200 mm extension.

DIMENSIONS

Wheelbase	2750 mm
Front and rear track width	1800 mm
External tyres width	(with 17,5 x 25) 2260 mm

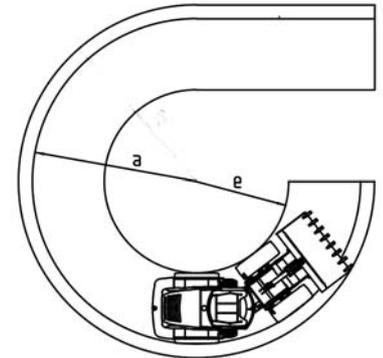
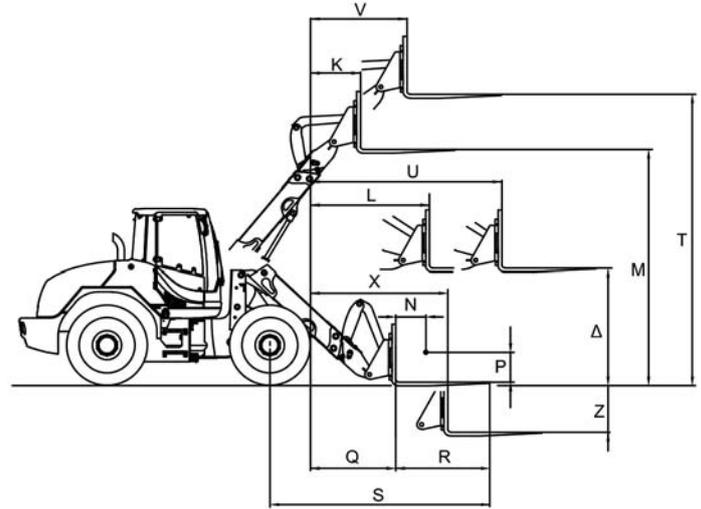
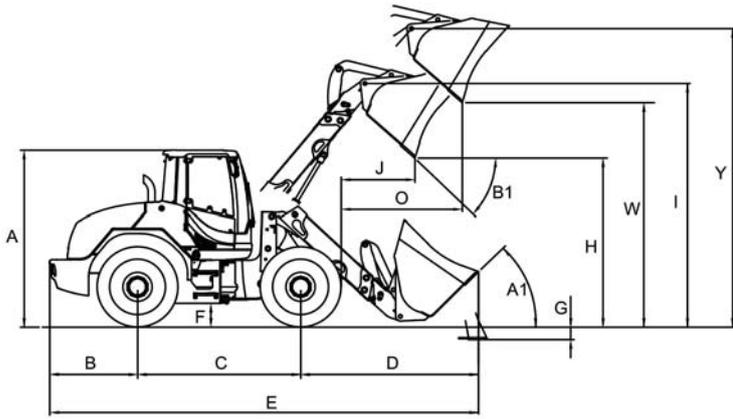
STANDARD EQUIPMENT

- Loader servo control
- Automatic proportional self-locking differential on front axle
- Inching control on brake pedal (transmission speed regulations)
- Antipollution tank plug
- 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
- Fan drive with two speed
- 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

- 100% differential locking on rear axle
- 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
- Floating
- Empowered battery 12V 185 Ah
- Fan drive with electronic reverse
- Video camera
- Pneumatic seat

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



Date according to bucket type PT 192 with 17,5 x 25 tyres	STD.	ENLARGED	EXTRA ENLARGED	4:1
Capacity heaped m ³	1,6	1,8	2,2	1,5
Material density kg/m ³	1800	1500	1200	1800
Tipping load with aligned machine (ISO 14397) retracted boom kg	5560	5460	5347	5550
Tipping load in max articulated position (40°) (ISO 14397) retracted boom kg	5075	4983	4880	5065
Tipping load with aligned machine (ISO 14397) extended boom kg	3252	3184	3100	3142
Tipping load in max articulated position (40°) (ISO 14397) extended boom kg	2968	2906	2830	2952
Lifting capacity at max height retracted boom kN	42,95	41,95	39,42	42,75
Lifting capacity at max height extended boom kN	27,92	26,92	25,42	27,76
Breakout force kN	86,63	82,29	74,80	86,63
E Total length mm	6707	6737	6820	6775
Bucket width mm	2400	2450	2450	2400
Rotation diameter mm	11640	11690	118450	116460
G digging depth mm	142	142	142	142
H dump height 45° retracted mm	3136	3103	3004	3155
W dump height 45° extended mm	4000	3967	3868	4020
D outreach mm	2637	2667	2750	2705
J reach at max height retracted mm	964	1001	1114	942
O reach at max height extended mm	1874	1912	2024	1854
Operating weight kg	9600	9700	9800	9750

PT 192 15,5 x 25 tyres	
A	2890 mm
B	1320 mm
C	2750 mm
F	400 mm
e	2830 mm
a	5165 mm
I	4017 mm
Y	4936 mm
K	816 mm
L	1961 mm
M	3807 mm
N	500 mm
P	500 mm
Q	1401 mm
R	1200 mm
S	3275 mm
T	4727 mm
U	3161 mm
V	1587 mm
Z	886 mm
X	2278 mm
Δ	1832 mm

Data with universal forks Centre of gravity 500 mm	
Operative load with retracted forks EN 474-3 (80%)	kg 3130
Operative load with retracted forks EN 474-3 (60%)	kg 2348
Operative load with extended forks EN 474-3 (80%)	kg 2228
Operative load with extended forks EN 474-3 (60%)	kg 1671

PALOAD is mark produced by Palazzani Industrie S.p.A.
NC 358 A 13 Technical sheet PT 192 english Rev. 07/2015



COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 = MACHINE DI CONFORMITY TO THE NEW MACHINES' STANDARDS

CE

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