



AERIAL WORK PLATFORMS

PT 200J

ISOLI S.p.A. via Boschi, 44 35014 Fontaniva (Padova) ITALY
tel. +39.049/9438611 fax. +39.049/9438600 / p iva 0020297 028 1

Truck-mounted aerial lift work platform



Specifications

- Max payload : 250 kg (with load cell by MOBA) Increased working area and more flexibility thanks to the articulated jib and 4 stabilization mode that allows to work, also with beams completely retracted, at the max outreach and max height with basket load up to 250 kg- Max working height: 20,0 m
- Max working outreach:
 - 14,0 m with 100 kg.
 - 10,3 m with 250 kg.- The control system with basket load cell and geometric outreach limiter allows max accuracy and repeatability in the achievement of all the position within the working area; in addition allows to keep always the possibility to move the jib in all the position of the working envelope (jib movement is never stopped by outreach limiter)- Jib angle: 103°
 - Turret slewing angle: 400°- Installed on wb 2900 for weight distribution optimization.
- Thanks to new 4 sections boom, total length has been kept within 6700 mm

Accessories

- New subframe design to reduce weight and at the same time increase torsional stiffness.
- Front and rear horizontal beams are hydraulically operated; extension jacks have been installed under the beams so to allow easy maintenance and at the same time maximum protection both in driving and basket operations.
- Stabilizers vertical extra stroke: 170 mm.- New slewing turret.
- New design: lighter and stronger.
- Tail swing in line with mirrors width.
- New telescopic boom:
 - New boom profile with increased stiffness and reduced weight.
 - Hoses, cables and sensors inside the boom.
 - Front brushes for debris protection.
 - Special low friction wear pads for smooth movements.
 - New wear pads layout for maximum guide and alignment of telescopic elements.
- New jib design
 - Special shape allows to keep articulation cylinder close to jib, inside the space created by jib profile and boom head; this solution allows more compact dimensions and a better protection of the cylinder against accidental damages.
 - Leveling cylinder inside.
- Hoses and cables inside.
- CONTROLS AND OPERATOR INTERFACE
- In the vehicle cab
 - Manual engagement of the PTO with lamp of PTO engaged.- Red pilot lamp and buzzer that warns about stabilizers or boom not in driving condition.
 - Lower control installed above the subframe platform so to have the following advantages:
 - Easier and more comfortable use.
 - Better protection during driving.
 - Same level of protection when basket is in use thanks to aluminium cover.
 - Lower control is based on new concept already successfully introduced on new PNT210JD4- New graphics.
 - Control unit automotive type.
 - Proportional control of the movements with joystick.
 - Basket leveling manual adjustment with boom in specific condition (for service only).
 - Button for safe emergency movements in case of basket forced under obstacles.
 - Automatic stabilization (optional).
 - Home Function (optional).
 - Led about stabilization.
 - Led about machine state.
- Diagnostic led.Basket control- Based on new concept already successfully introduced on new PNT210JD4:
 - New graphics.
 - Joysticks with proportional control and simultaneous movements.
 - Acceleration / deceleration ramps controlled by control unit.
 - Button for safe emergency movements in case of basket forced under obstacles.
 - Automatic stabilization levers (optional function)
 - Home function (optional)
 - Led about stabilization and chassis angle.
 - Led about machine state.
 - Diagnostic led.Operator helps- Anti-collision system between front stabilizers and cabin open door.

- Anti-collision system between upper structure and cabin / front stabilizers.
- Anti-collision between upper structure and rear bumper / stabilizers.
- Anti-collision system between basket and jib.
- Semi-automatic turret centering with green led for turret aligned in stow position.
- Semi-automatic basket centering with green led for basket aligned in stow position.
- Information about basket load. Main upper structure hydraulic group and control- All the functions and movements of upper structure are controlled by a fully proportional hydraulic.
- Each main movements, included electronic basket leveling, is controlled by its own proportional directional spool valve according to the Load-Sensing principle. With this solution all the movements can be carried out simultaneously, at different independent speeds as long as the sum of partial flows is within total delivery flow rate of the pump; engine rpm management, controlled by main CPU according to required movements, allows to increase total flow rate when necessary.

AREA DI LAVORO CON STABILIZZATORI CHIUSI
WORKING AREA WITH RETRACTED OUTRIGGERS

AREA DI LAVORO CON STABILIZZATORI ESTENDIBILI
WORKING AREA WITH EXTENDIBLE OUTRIGGERS

