



NEW PRODUCT

Mobile Elevating Working Platform

“ISOLI PNT 210 J”

on

NISSAN F24.35 wb 3400 mm



MAIN NEW FEATURE AND IMPROVEMENT

PERFORMANCE

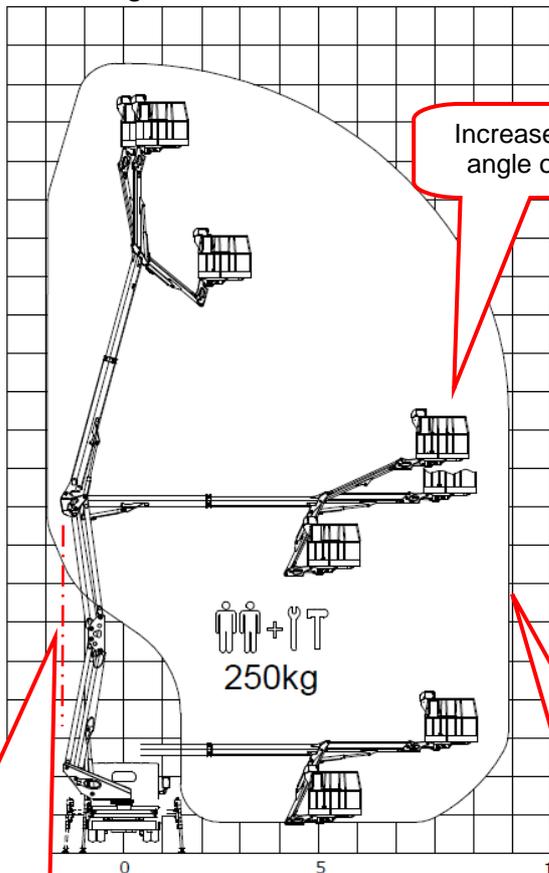
Increased payload in the basket

- Max payload : 250 kg (with load cell by MOBA)

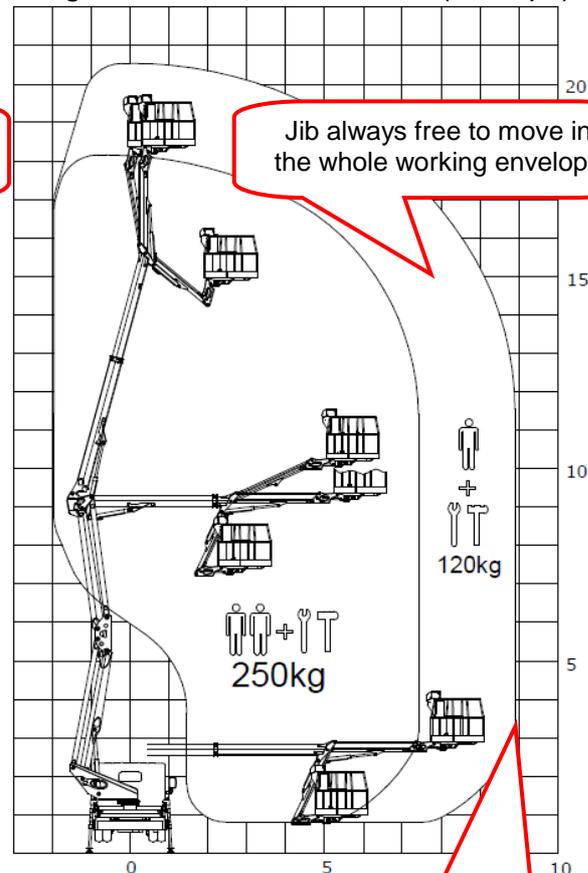
Increased working area and more flexibility thanks to increased angle of jib and 4 stabilization mode that allows to work, also with beams completely retracted, at the max outreach and max height with basket load up to 120 kg

- Max working height: 20,5 m
- Max working outreach:
 - 9,8 m with 250 kg with beams extended
 - 9,8 m with 120 kg and 7,4 with 250 kg with beams retracted in the shape
- the system with basket load cell allows max accuracy and repeatability and, in addition, it 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: 140°(-115°/ + 25°referred to the boom m)
- Pantograph height: more than 9,0 m with perfectly vertical movement
- Turret slewing angle: 600°

Working area with beams extended



Working area with beams retracted (in shape)



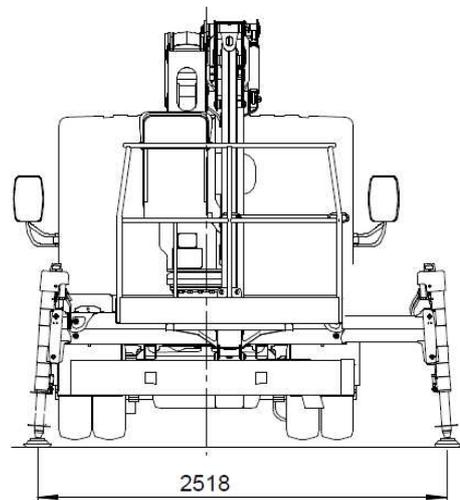
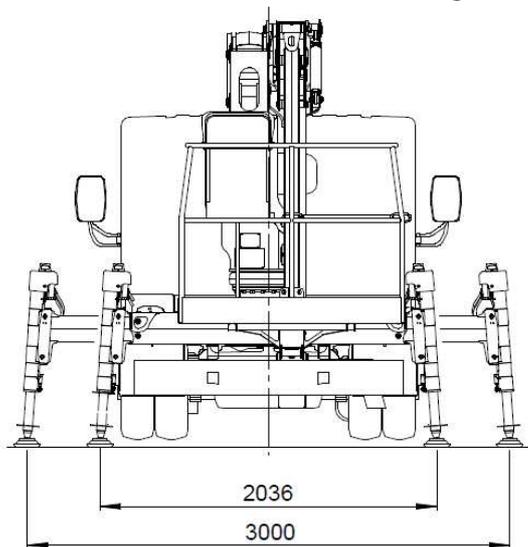
Tail swing reduced and constant during all the vertical movement of the pantograph

Working area perfectly vertical

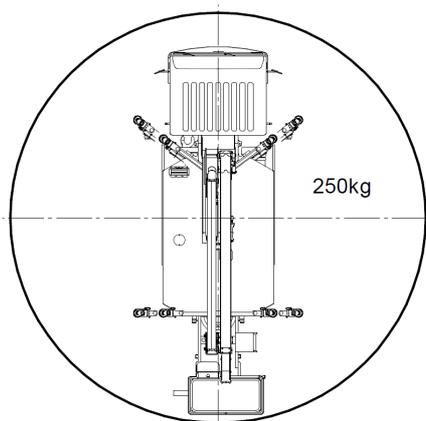
Max outreach with 120 kg and beams in shape

Technical data and features are given for reference only and not binding

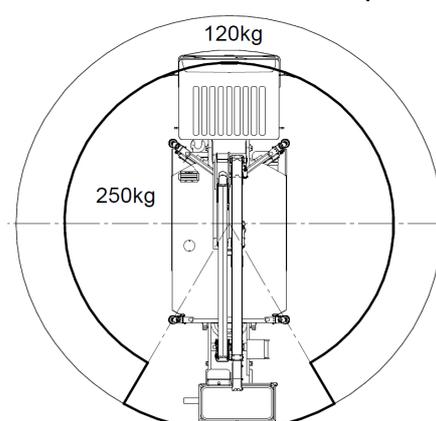
4 STABILIZATION MODE



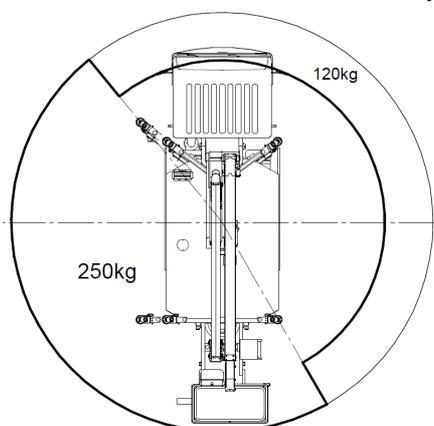
Beams extended on both sides



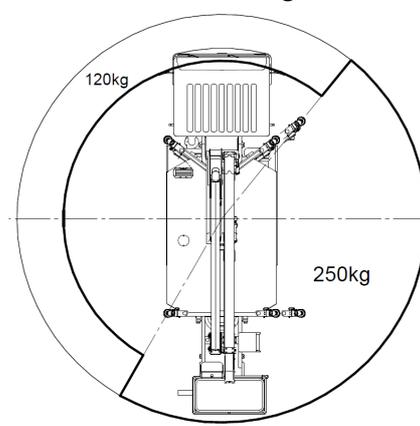
Beams retracted in shape



Beams extended on left side only



Beams extended on right side only



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DIMENSIONS AND GEOMETRICAL ASPECTS

Dimensions in driving condition on vehicle wb 3400 mm



Reduced height in driving condition : 2600 mm

Front and rear beams with horizontal hydraulic extension; all vertical stabilizers with high extra stroke after rear spring leaf unload

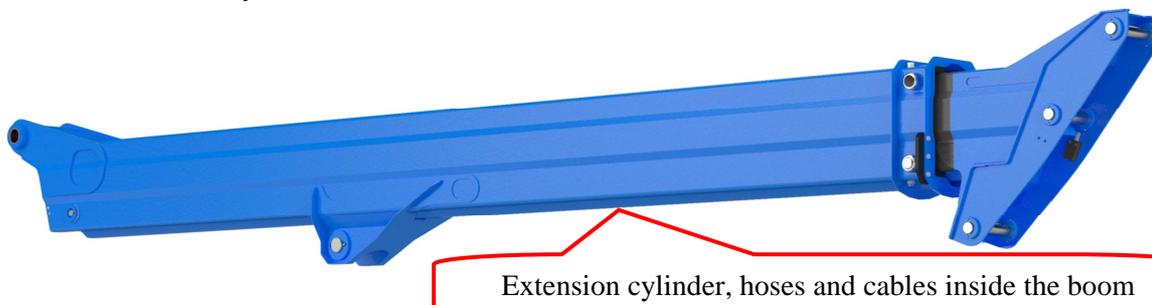
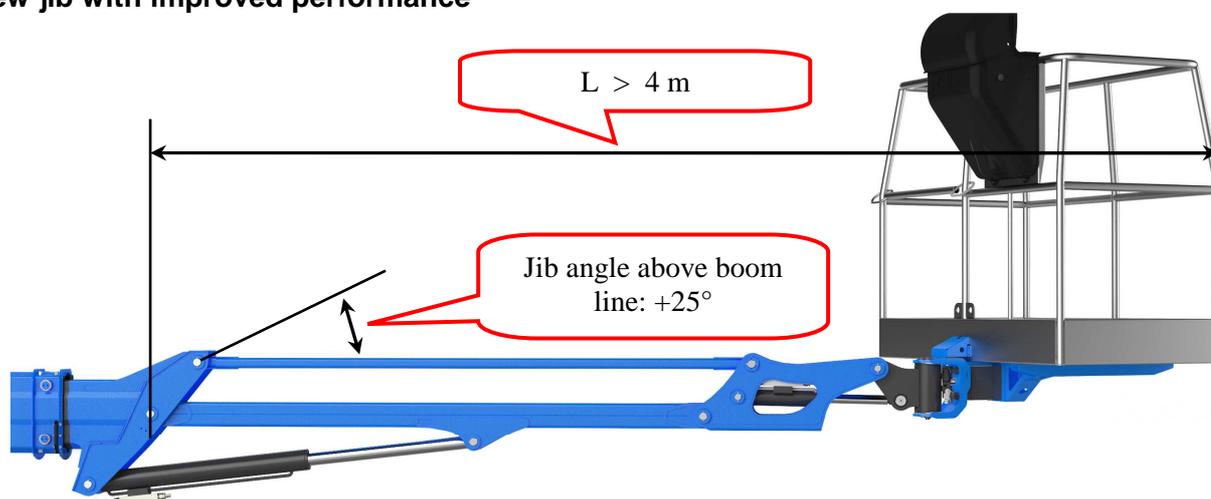
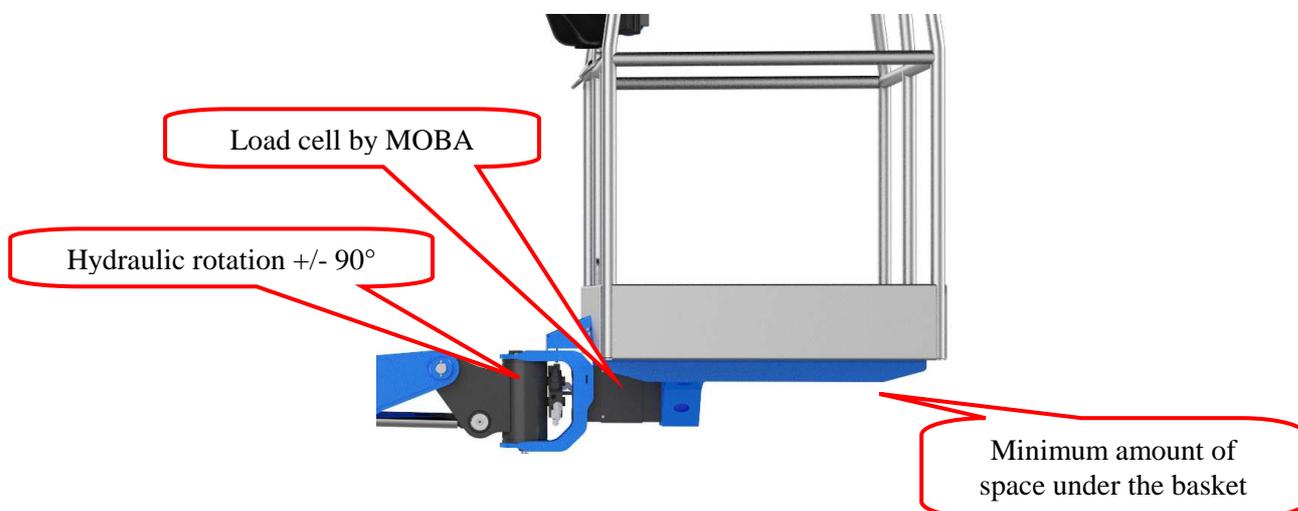
- Stabilizers extra stroke: 150 mm

New slewing turret.

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New telescopic boom:

- New boom profile with increased stiffness and reduced weight
- Extension cylinder, hoses and cables inside the boom

**New jib with improved performance****New solution for basket, support and load control**

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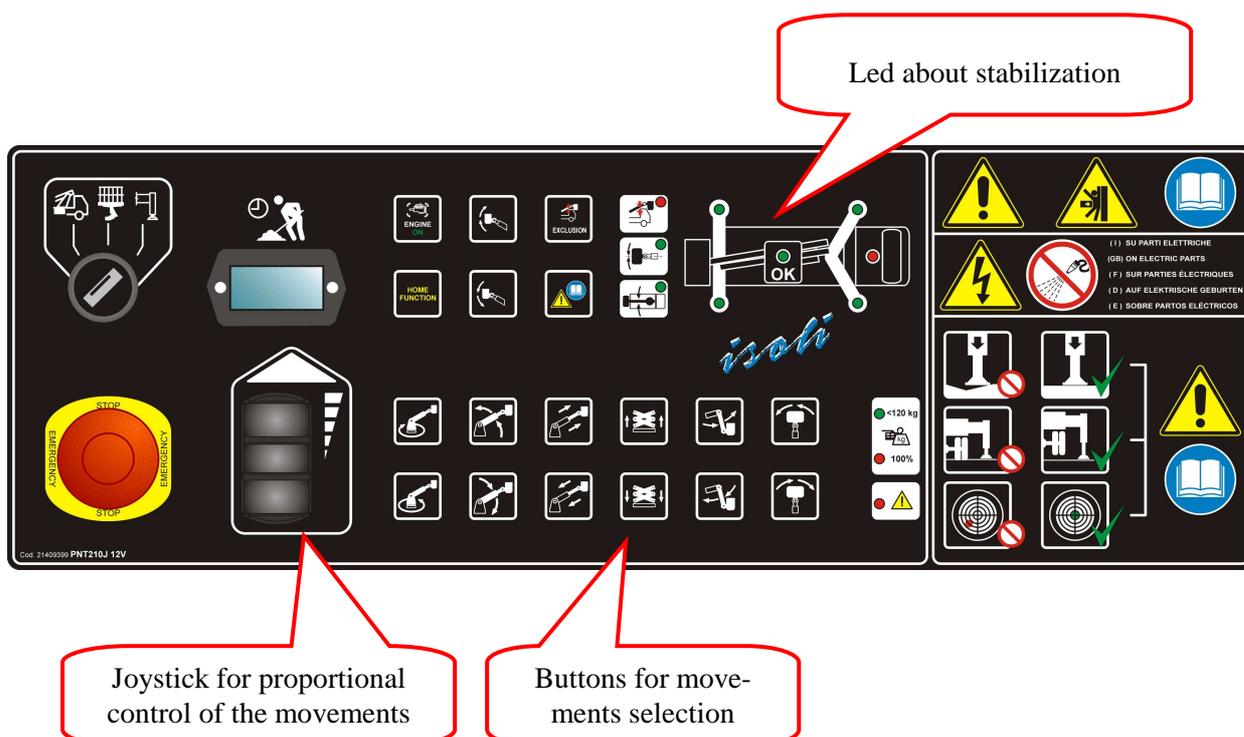
CONTROLS AND OPERATOR INTERFACE

In the vehicle cab

- Manual engagement of the PTO with lamp of PTO engaged.
- Red pilot lamp and buzzer that warn about stabilizers not in driving condition.

Lower control

- New graphics
- Control unit automotive type
- Proportional control of the movements with joystick
- Basket leveling only with boom in stow position
- Button for safe emergency movements in case of basket forced under obstacles
- Home Function (optional)
- Led about stabilization
- Led about machine state



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Basket control

- New CAN-BUS control panel designed in co-operation with AUTECH
- New graphics
- Joysticks with proportional control and simultaneous movements
- Acceleration / deceleration ramps controlled by control unit
- Basket leveling only with boom in stow position
- Button for safe emergency movements in case of basket forced under obstacles
- Led about stabilization
- Led about machine state
- Diagnostic led

**Operator helps**

- Anti-collision system for vehicle cabin
- Anti-collision for rear protection bar
- Anti-collision system between basket and jib
- Green led for turret aligned in stow position
- Green led for basket aligned in stow position
- Information about basket load

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MAIN NEW OPTIONALS

Cover

- aluminium cover for hydraulic group on the subframe

Commands

- PTO electric engaged with automatic disengagement when clutch pedal is pressed.
- Automatic stabilization from the basket with suitable control panel with levers and chassis angle indicator (see picture below).
- HOME FUNCTION : it is foreseen a simplified Home Function with semiautomatic alignment of the basket and automatic return to stow position



FAST stabilization (with automatic stabilization only)

- it allows to use the machine, with reduced working area and/or basket payload, only with stabilizers on the ground (therefore with no need to lift the wheels) and with an increased allowed chassis angle: up to $\pm 2^\circ$ transversal and $\pm 3^\circ$ longitudinal; this stabilization mode is quicker and allows to use the machine on ground slope up to 8° (additional special footplate are required in case of ground slope up to 8°).

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DIMENSIONS, PERFORMANCE AND TECHNICAL DATA SUMMARY

PNT 210 J	
PERFORMANCE AND TECHNICAL DATA (Tolerance: +/- 5%)	
MAIN FEATURE	on NISSAN wb 3400 dwg n°21402517
Max working height	20,5 m
Max outreach	about 10,0 m con 250 kg
Max payload	250 kg
Number of operators	2
Max manual force	40 daN
Max wind speed	12,5 m/s
Articulation:	Double pantograph
Articulation angle	0 / 80°
Boom:	Telescopic 2 sections
Boom angle	0°/ 75°
Jib	Pantograph type
Jib angle	140° (-115°/ + 25° referred to the boom)
Turret slewing angle	600°
Basket	Aluminium 1400x710x1100 mm / optional in fiberglass with height and outreach reduction of about 0,5 m
Basket rotation	Hydraulic 90°RH + 90°LH
Basket leveling	Hydraulic, master slave system
Outriggers	HE - HE
Outriggers minimum width	with beams retracted in the shape : 2,04 m with beams extended on one side only : 2,52 m with beams extended on both side : 3,00 m
Controls:	Electro-hydraulic
Dimensions in driving condition L x H x W	6890 x 2600 x 2200 mm
Minimum installation :	MTT 3500 kg

WEIGHT DISTRIBUTION [kg] (Tolerance +/- 5%)			
	on NISSAN wb 3400		
	Total	Front	Rear
NISSAN F24.35 wb 3400 mm	1680	1160	520
ISOLI PNT 210 J with subframe HE - HE			
COUNTERWEIGHT	0	0	0
TOTAL			
MTT	3500	1750	2200

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