

Technical sheet :

160 ATJ+



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Max. outreach		8.52 m
Overhang		7.40 m
Pendular arm rotation (top / bottom)		+66.50 ° / -65.80 °
Platform capacity	Q	408 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		7500 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Overall length	l1	7.09 m
Overall width	b1	2.45 m
Overall height	h17	2.47 m
Overall length (stowed)	l9	4.89 m
Overall height (stowed)	h18	2.94 m
Floor height (access)	h20	0.38 m
Counterweight offset (turret at 90°)	a7	0.15 m
External turning radius	Wa3	4.09 m
Ground clearance at centre of wheelbase	m2	0.40 m
Wheelbase	y	2.20 m
Performances		
Drive speed - stowed		5 km/h
Drive speed - raised		1 km/h
Gradeability		45 %
Permissible leveling		5 °
Wheels		
Tyres type		Foam-filled
Standard tyres		910 x 370 mm
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Braking wheels (front / rear)		0 / 2
Engine/Battery		
Engine brand / model		Kubota - D1105-E4B
Engine nom		Stage V
I.C. Engine power rating / Power (kW)		24.50 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.60 dan/cm2
Hydraulic Pressure		340 bar
Hydraulic tank capacity		531 l
Fuel tank		51 l
Noise to environment (LWA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s ²
Daily consumption **		7 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

*Varies according to options and standards of the country to which the machine is delivered

160 ATJ+ - Load chart

Load Chart for MEWP Metric



160 ATJ+ - Dimensional drawing



Equipment

Standard

230V Predisposition
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 CAN bus technology
 Connected machine
 Dead man pedal
 Differential locking on rear axle
 Easy fast slinging system
 Front axle with limited slip
 Fuel gauge with low level indicator
 Horn in the platform
 Hour meter
 Integrated diagnostic assistance
 LED rotating beacon
 Large basket with three entries
 Large color screen on turret
 Leveling unlocking
 Management via engine speed bearing
 Oscillating front axle
 Stop & Go system

Optional

230V socket with circuit-breaker on boom head
 Access control keypad for easy link
 Additional storage boxes
 Battery blanket
 Battery charger automatic start
 Beep on every movement
 Beep upon travel
 Biodegradable hydraulic oil
 Coded anti-start
 Continuous turret rotation
 Easy link with remote lock
 Fuel tank locking cap
 Highly capacity battery
 Hydraulic oil heater
 Key lock on turret cover
 Large basket 2.30m with lateral door
 Lockable fuel cap
 Narrow basket 1.80m
 Non-marking tyres
 Onboard generator (3,5 or 5 kW)
 Panel cradle
 Personalized paintwork
 Pipe cradle
 Protection screen and key lock turret
 SPS : Secondary protection system
 Safety kit (Hamess + helmet)
 Safety valve
 Socket 230 V + differential circuit breaker
 Spark arresting muffler
 Water heater
 Water predisposition
 Working light



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