

Technical sheet :

# 160 ATJ+



 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.21 m
Floor height (access)	h20	0.38 m
Platform height	h7	14.21 m
Max. outreach		8.52 m
Overhang		7.59 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
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		
Tires type		Foam-filled
Standard tires		914 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 norm		Stage V
I.C. Engine power rating / Power		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.50 dan/cm2
Hydraulic Pressure		340 bar
Hydraulic oil tank capacity		53 l
Fuel tank		51 l
Noise to environment (LWA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s²
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

\*\* According to "REDUCE cycle"

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  
Hom 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  
Additional storage boxes  
Battery blanket  
Battery charger automatic start  
Biodegradable hydraulic oil - Grade 32  
Coded anti-start  
Continuous turret rotation  
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  
On-board generator (3,5 or 5 kW)  
Panel cradle  
Personalized paintwork  
Pipe cradle  
Protection screen and key lock turret  
Safety kit - Harness + helmet  
Safety valve  
Secondary Protection System (SPS)  
Socket 230 V + differential circuit breaker  
Spark arresting muffler  
Water heater  
Water predisposition  
Working light



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