

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		7.59 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
Floor height (access)	h20	0.38 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 nom		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 tank capacity		53 l
Fuel tank		51 l
Noise to environment (LWA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s <sup>2</sup>
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  
 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  
 Additional storage boxes  
 Battery blanket  
 Battery charger automatic start  
 Biodegradable hydraulic oil - Grade 32  
 Coded anti-start  
 Continuous turret rotation  
 Fuel tank locking cap  
 High capacity starting battery  
 Hydraulic oil heater  
 Key lock on turret cover  
 Large basket 2.30m with lateral door  
 Lockable fuel cap  
 Non-marking tyres  
 On-board generator (3,5 or 5 kW)  
 Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)  
 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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