

Technical sheet :

# 160 ATJ+



 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Maximum outreach		8.52 m
Overhang		7.39 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	2.38 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	0.19 m
External turning radius	Wa3	4.03 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 IIIA, Stage V
Engine power (Hp / kW)		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.50 daN/cm2
Hydraulic Pressure		340 bar
Hydraulic tank capacity		54.20 l
Fuel		52 l
Noise to environment (LWA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s <sup>2</sup>
Daily consumption **		4.51 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - EMC according to EN 12895 / 2015 +A1 / 2019

\*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

4 simultaneous movements  
4 wheel drive  
4 wheel steer with crab mode  
Additional foot-operated hom  
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)  
Backup electrical pump  
CAN bus technology  
Differential locking on rear axle  
Driver presence pedal  
Easy Link with 2 year Service  
Easy fast slinging system  
Electrical pre-fitting - 230V  
Front axle with limited slip  
Fuel gauge with low level indicator  
Hour meter  
Integrated diagnostic assistance  
Key lock on turret cover  
LED rotating beacon  
Large basket with three entries  
Large color screen on turret  
Leveling unlocking  
Management via engine speed bearing  
Oscillating front axle  
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)  
Secondary Protection System (SPS)  
Stop & Go system

## Optional

Additional storage boxes  
Anti-theft digicode  
Biodegradable hydraulic oil - Grade 32  
Diesel tank locking cap  
Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type  
Engine pre-heater  
Higher capacity battery, to start the machine easily in cold countries.  
Hydraulic oil pre-heater  
Key lock on turret cover  
Large basket 2.30m with lateral door  
Lower control box protection - With key lock on turret  
Non-marking tires  
On-board generator (3,5 or 5 kW)  
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)  
Panel support kit  
Personalized paintwork  
Safety kit - Helmet and harness  
Spark arrester muffler  
Starter battery blanket  
Tube support kit  
Water pre-fitting

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