

Technical sheet :

# 180 ATJ

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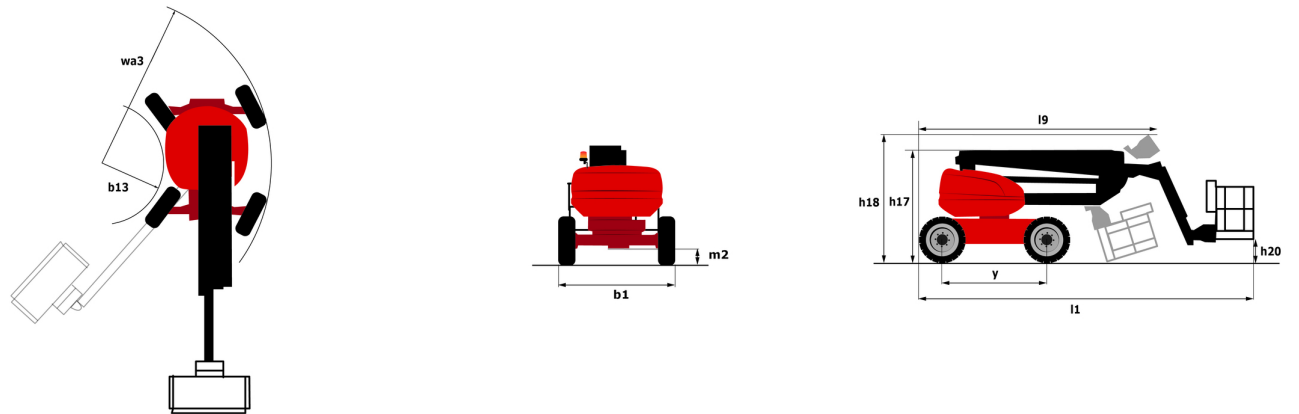


 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Imperial
Working height	h21	59 ft 8 in
Floor height (access)	h20	1 ft 4 in
Platform height	h7	53 ft 1 in
Max. outreach		34 ft 6 in
Overhang		24 ft 9 in
Pendular arm rotation (bottom)		+59.50 °
Platform capacity	Q	507 lb
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		16380 lb
Platform dimensions (length x width)	lp / ep	5 ft 11 in x 2 ft 7 in
Overall length	l1	25 ft 7 in
Overall width	b1	7 ft 7 in
Overall height	h17	8 ft 1 in
Overall length (stowed)	l9	18 ft 3 in
Overall height (stowed) **	h18	8 ft 5 in
Counterweight offset (turret at 90°)	a7	9 in
Counterweight Oversize / Reach		9 in
External turning radius	Wa3	12 ft 4 in
Ground clearance at centre of wheelbase	m2	1 ft 4 in
Wheelbase	y	7 ft 3 in
Performances		
Drive speed - stowed		3 mph
Drive speed - raised		0.62 mph
Gradeability		45 %
Permissible leveling		5 °
Wheels		
Tires type		Foam-filled
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		Interim Tier 4, Stage IIIA, Stage V
I.C. Engine power rating / Power		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		145 PSI
Hydraulic Pressure		4931 PSI
Hydraulic tank capacity		14 US gal
Fuel tank		14 US gal
Vibration on hands/arms		< 0 m/s²
Daily consumption **		1 US gal
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

180 ATJ - Dimensional drawing



# Equipment

Standard
220V predisposition in the platform
4 simultaneous movements
4 wheel drive
4 wheel steer with crab mode
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Backup electrical pump
Basket 1,800 mm
CAN bus technology
Differential locking on rear axle
Easy Manager
Emergency stop button in platform and on frame
Fuel gauge with low level indicator
Fully galvanized basket with demountable floor
Hour meter
Leveling unlocking
Load sensing pump
Operator presence pedal
Oscillating front axle
Rear axle with limited slip differential
Steer and rotate
Stop & Go system

Optional
Battery charger
Battery cut-off
Biodegradable oil
Coded anti-start
Cold weather protection oil
Continuous turret rotation
Exhaust line protection, spark arrester and fume reduction system
Fully galvanized basket 1800mm / 5'11" with lateral door
Galvanized basket 2,100 mm
Highly capacity battery
Lockable fuel cap
On-board generator (3,5 or 5 kW)
Personalized paintwork
Safety harness
Secondary Protection System (SPS)
Spark arrester
Water heater
Water predisposition
Working light



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