Technical sheet :

180 ATJ

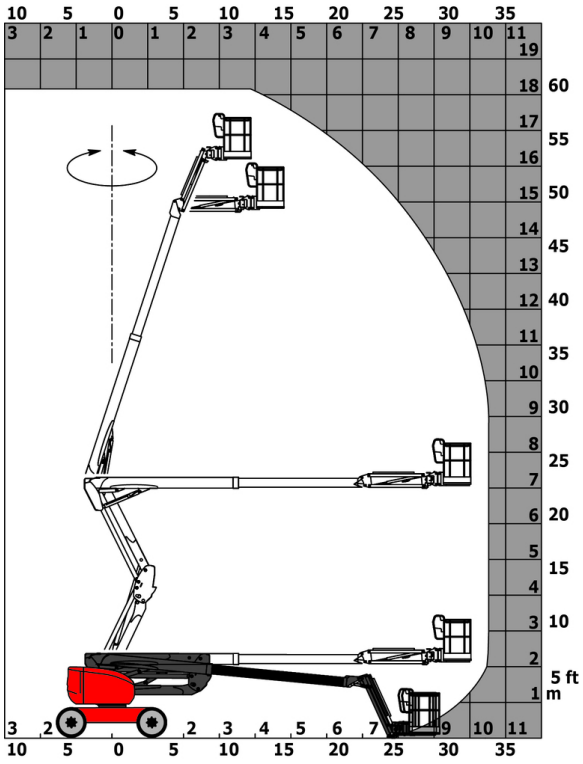


MANITOU
HANDLING YOUR WORLD

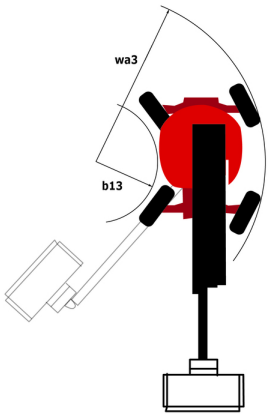
Capacities		Metric	Imperial
Working height	h21	18.19 m	59 ft 8 in
Floor height (access)	h20	0.40 m	1 ft 4 in
Platform height	h7	16.19 m	53 ft 1 in
Max. outreach		10.51 m	34 ft 6 in
Overhang		7.55 m	24 ft 9 in
Pendular arm rotation (bottom)		+-59.50 °	+-59.50 °
Platform capacity	Q	230 kg	507 lb
Turret rotation		350 °	350 °
Platform rotation (right / left)		90 ° / 90 °	90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2	2 / 2
Weight and dimensions			
Platform weight*		7430 kg	16380 lb
Platform dimensions (length x width)	lp / ep	1.80 m x 0.80 m	5 ft 11 in x 2 ft 7 in
Overall length	l1	7.79 m	25 ft 7 in
Overall width	b1	2.32 m	7 ft 7 in
Overall height	h17	2.47 m	8 ft 1 in
Overall length (stowed)	l9	5.56 m	18 ft 3 in
Overall height (stowed)	h18	2.56 m	8 ft 5 in
Counterweight offset (turret at 90°)	a7	0.22 m	9 in
Counterweight Oversize / Reach		0.22 m	9 in
Internal turning radius (over tyres)	b13	1.38 m	4 ft 6 in
External turning radius	Wa3	3.75 m	12 ft 4 in
Ground clearance at centre of wheelbase	m2	0.40 m	1 ft 4 in
Wheelbase	y	2.20 m	7 ft 3 in
Performances			
Drive speed - stowed		5 km/h	3 mph
Drive speed - raised		1 km/h	0.62 mph
Gradeability		45 %	45 %
Permissible leveling		5 °	5 °
Wheels			
Tires type		Foam-filled	Foam-filled
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Braking wheels (front / rear)		0 / 2	0 / 2
Engine/Battery			
Engine brand / model		Kubota - D1105-E4B	Kubota - D1105-E4B
Engine norm		Interim Tier 4, Stage IIIA, Stage V	Interim Tier 4, Stage IIIA, Stage V
I.C. Engine power rating / Power		24.80 Hp / 18.50 kW	24.80 Hp / 18.50 kW
Miscellaneous			
Ground Pressure		10 dan/cm2	145 PSI
Hydraulic Pressure		340 bar	4931 PSI
Hydraulic tank capacity		54 l	14 US gal
Fuel tank		52 l	14 US gal
Vibration on hands/arms		< 0 m/s²	< 0 m/s²
Daily consumption **		4.26 l	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)	European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

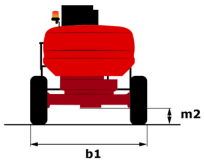
180 ATJ - Load chart

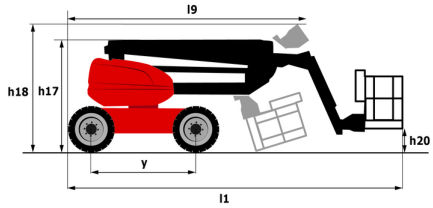
Load Chart for MEWP Metric



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 arrestor 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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