Technical sheet :

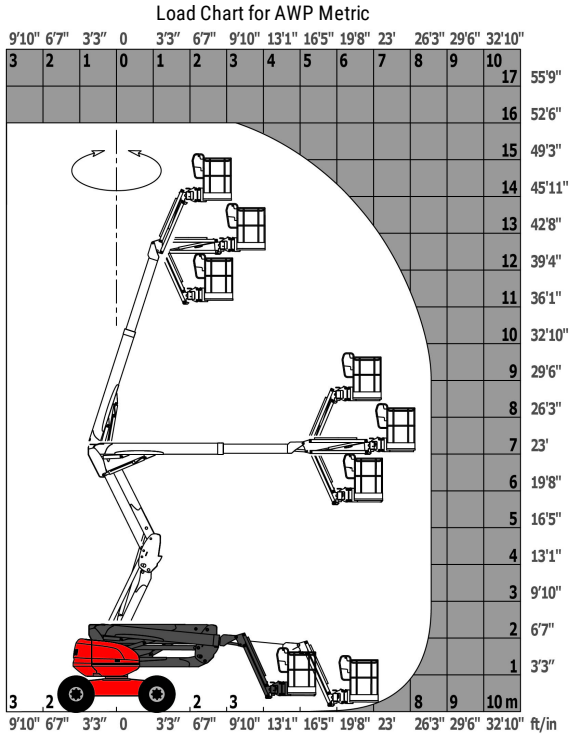
160 ATJ+

MANITOU
HANDLING YOUR WORLD

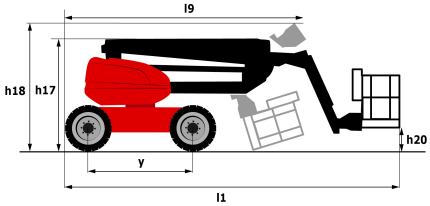
Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Max. outreach	r1	8.52 m
Overhang	h31	7.40 m
Pendular arm rotation (top / bottom)		+66.50 ° / -65.80 °
Platform capacity	Q	408 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (inside / outside)		3 / 3
Weight and dimensions		
Platform weight*		7500 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Overall width	b1	2.45 m
Overall length	l1	7.09 m
Overall height	h17	2.47 m
Overall length (stowed)	l9	4.89 m
Overall height (stowed)	h18	2.94 m
Floor height (access)	h20	0.38 m
Counterweight offset (turret at 90°)	a7	0.15 m
Internal turning radius (over tyres)	b13	1.28 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		
Tyres type		Foam-filled
Dimensions of front wheels / rear wheels		908 x 370 mm - 908 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 (kW)		24.50 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.60 daN/cm²
Hydraulic Pressure		340 Bar
Hydraulic tank capacity		531 l
Fuel tank		51 l
Noise to environment (LwA)		< 105 dB(A)
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)

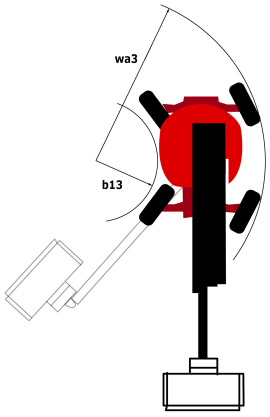
*Varies according to options and standards of the country to which the machine is delivered

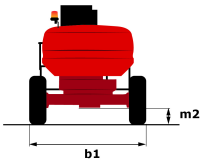
Load chart


Load Chart for AWP Metric
9'10" 6'7" 3'3" 0 3'3" 6'7" 9'10" 13'1" 16'5" 19'8" 23' 26'3" 29'6" 32'10"
3 2 1 0 1 2 3 4 5 6 7 8 9 10
17 55'9"
16 52'6"
15 49'3"
14 45'11"
13 42'8"
12 39'4"
11 36'1"
10 32'10"
9 29'6"
8 26'3"
7 23'
6 19'8"
5 16'5"
4 13'1"
3 9'10"
2 6'7"
1 3'3"
3 2 2 3 8 9 10 m
9'10" 6'7" 3'3" 0 3'3" 6'7" 9'10" 13'1" 16'5" 19'8" 23' 26'3" 29'6" 32'10" ft/in

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
Access control keypad for easy link
Additional storage boxes
Air predisposition
Battery blanket
Battery charger automatic start
Beep on every movement
Beep upon travel
Biodegradable hydraulic oil
Coded anti-start
Continuous turret rotation
Easy link with remote lock
Fuel tank locking cap
Highly capacity battery
Hydraulic oil heater
Large basket 2.30m with lateral door
Lockable fuel cap
Narrow basket 1.80m
Non-marking tyres
Onboard generator (3,5 or 5 kW)
Panel cradle
Personalized paintwork
Pipe cradle
Protection screen and key lock turret
SPS : Secondary protection system
Safety kit (Harness + helmet)
Safety valve
Socket 230 V + differential circuit breaker
Spark arresting muffer
Turret cover with key lock
Water heater
Water predisposition
Working light

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