Technical sheet :

160 ATJ+

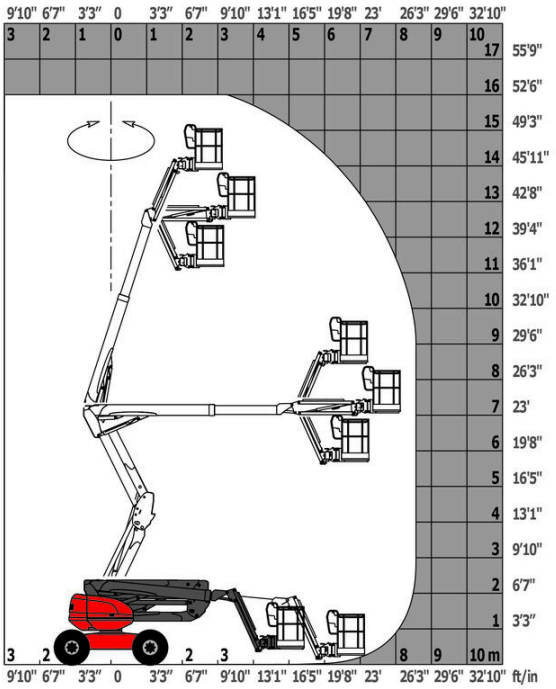
MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Max. outreach		8.52 m
Overhang		7.39 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 norm		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 tank capacity		52 l
Noise to environment (LwA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s²
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

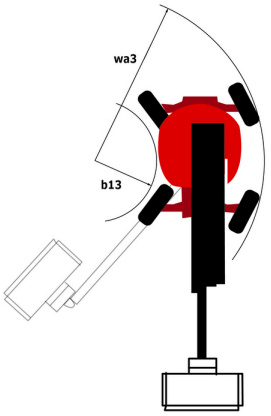
*Varies according to options and standards of the country to which the machine is delivered
** According to "REDUCE cycle"

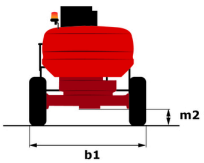
160 ATJ+ - Load chart

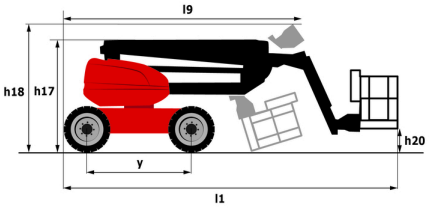
Load Chart for MEWP Metric



160 ATJ+ - Dimensional drawing







Equipment

Standard
4 simultaneous movements
4 wheel drive
4 wheel steer with crab mode
Additional foot-operated horn
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
Antitheft 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
Safety kit - Helmet and harness
Spark arrester muffler
Starter battery blanket
Tube support kit
Water pre-fitting

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