Technical sheet :

160 ATJ+ E RC

OXYGEN

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MACHINE OF THE YEAR



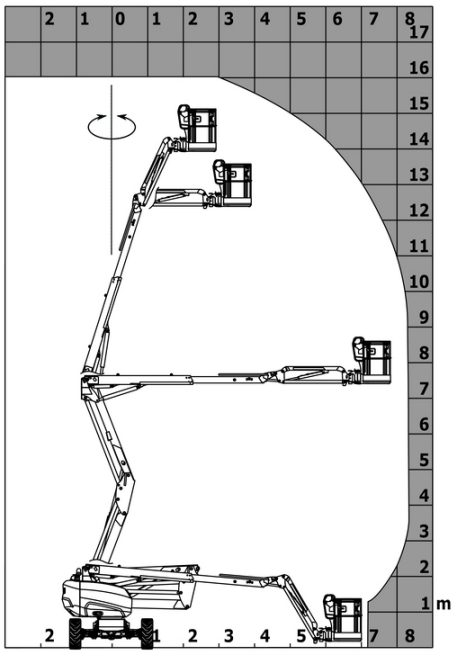
MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.22 m
Platform height	h7	14.22 m
Maximum outreach		8.34 m
Overhang		7.44 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+66.50 ° / 65.80 °
Platform capacity	Q	408 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		7790 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Floor height (access)	h20	0.42 m
Overall length	l1	6.88 m
Overall width	b1	2.38 m
Overall height	h17	2.48 m
Overall length (stowed)	l9	4.70 m
Overall height (stowed)	h18 ***	2.94 m
Counterweight offset (turret at 90°)	a7	0.37 m
Counterweight Oversize / Reach		0.37 m
External turning radius	Wa3	3.78 m
Ground clearance at centre of wheelbase	m2	0.39 m
Wheelbase	y	2.30 m
Performances		
Drive speed - stowed		5 km/h
Drive speed - raised		1 km/h
Gradeability		45 %
Permissible leveling		5 °
Wheels		
Tires type		Foam Filled Non Marking
Standard tires		914 x 381 mm / 36X15D610
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Braking wheels (front / rear)		0 / 2
Engine/Battery		
Battery voltage		48 V
Battery nominal voltage / capacity		48 V / 480 Ah
Battery energy		23 kWh
On-board charger (V / A)		48 V / 60 A
Miscellaneous		
Number of cycles with STD Battery (HIRD)		50
Ground Pressure		11.60 daN/cm2
Hydraulic Pressure		250 bar
Hydraulic tank capacity		24 l
Noise to environment (LwA)		< 70 dB
Vibration on hands/arms		< 2.50 m/s²
Body vibration in high speed in the platform (Aw max)		0.62 m/s²
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

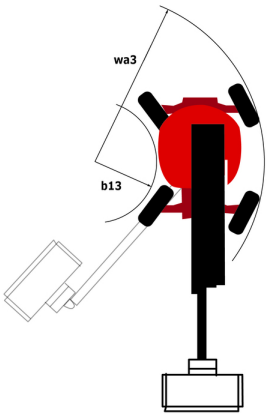
*Varies according to options and standards of the country to which the machine is delivered
** According to "REDUCE cycle"

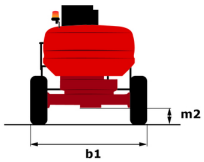
160 ATJ+ e RC - Load chart

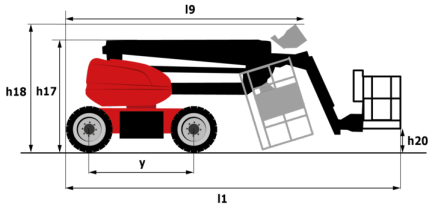
Load Chart for MEWP Metric



160 ATJ+ e RC - Dimensional drawing







Equipment

Standard
220V predisposition in the platform
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
Battery reserve mode
CAN bus technology
Continuous turret rotation
Differential locking on rear axle
Driver presence pedal
Easy Link with 2 year Service
Emergency stop button in platform and on frame
Front axle with limited slip
Hour meter
Integrated diagnostic assistance
LED rotating beacon
Large color screen on turret
Lead acid batteries
Load sensing pump
Oscillating front axle
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
Screen information in the basket
Secondary Protection System (SPS)
Simplified lifting system without spreader bar
Simultaneous steering and turret rotation functions
Slinging and securing rings
Toolbox
Turret orientation detection

Optional
Additional storage for tools (x2)
Antitheft digicode
Audio warning on all motion
Audio warning on all motion - White noise
Audio warning on translation
Audio warning on translation - White noise
Biodegradable hydraulic oil - Grade 32
Charger plug - 110V - 16A - United Kingdom (G) type
Compressed air pipe pre-fitting
Earthing and short-circuiting pre-fitting (Bolted ball)
Easy Link - With access control keypad
Easy Link - With remote lock
Electric central filling system
Front metallic wheels + Rear metallic wheels
Hydraulic oil pre-heater
Key lock on turret cover
LED amber strobe light on the basket
LED work light - On basket
Lighting pack
OSS - Operation Safety System
Operation Safety System (OSS) + SafeAlert - Front radar - With obstacle detection + SafeAlert - Rear radar - With obstacle detection
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.) + Side swing gate
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
Panel support kit
Personalized paintwork
Safety kit - Helmet and harness
Setting to block the telescope
Tube support kit
Water pre-fitting

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