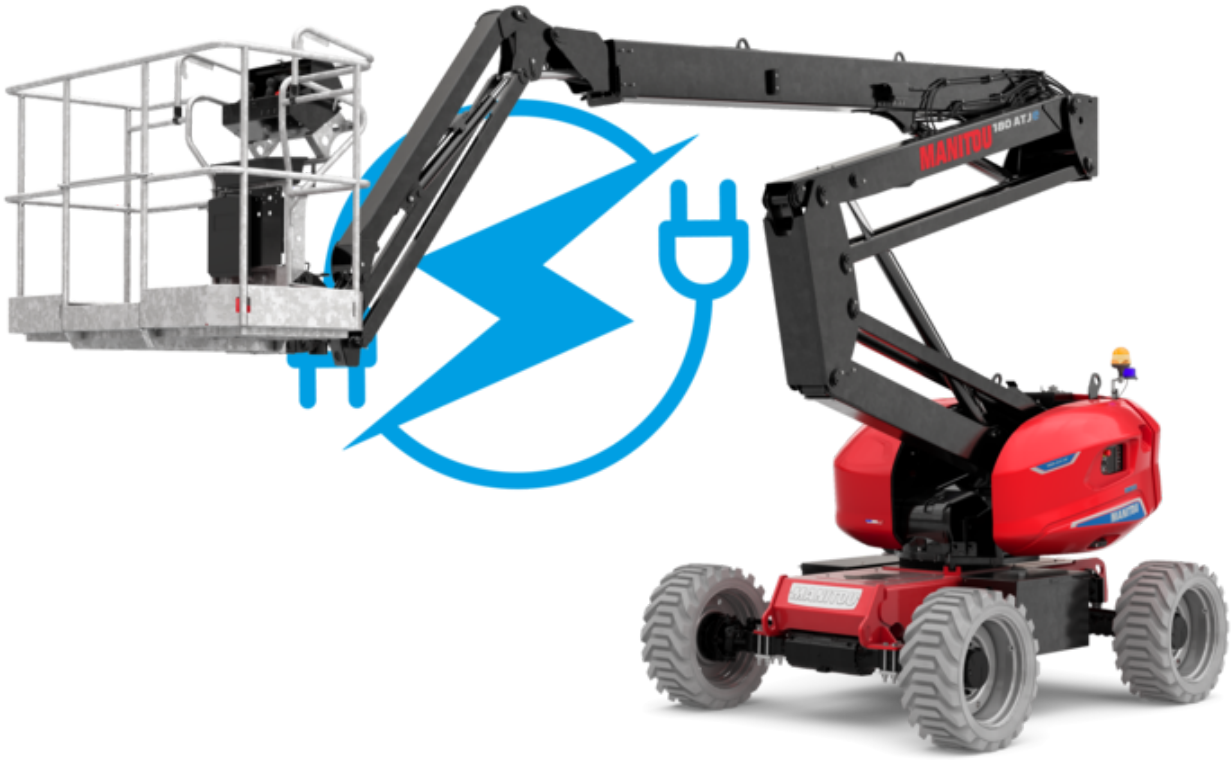
Technical sheet :

180 ATJ E RC

OXYGEN



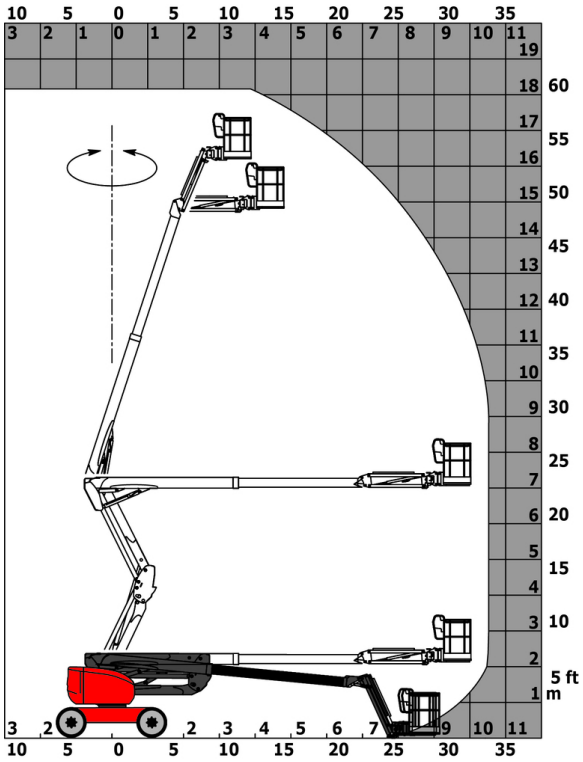
MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	18.19 m
Platform height	h7	16.19 m
Maximum outreach		10.33 m
Overhang		7.43 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+65 ° / -59.50 °
Platform capacity	Q	250 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		7810 kg
Platform dimensions (length x width)	lp / ep	1.80 m x 0.80 m
Floor height (access)	h20	0.45 m
Overall length	l1	7.61 m
Overall width	b1	2.32 m
Overall height	h17	2.48 m
Overall length (stowed)	l9	5.43 m
Overall height (stowed)	h18 ***	2.63 m
External turning radius	Wa3	3.75 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)		48
Ground Pressure		11 daN/cm2
Hydraulic Pressure		240 bar
Hydraulic tank capacity		24 l
Noise to environment (LwA)		< 98 dB
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

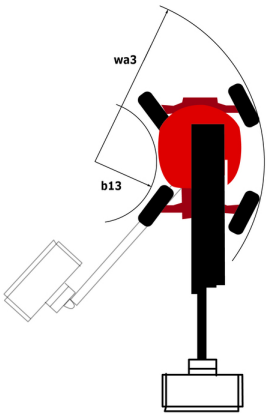
*Varies according to options and standards of the country to which the machine is delivered
** According to "REDUCE cycle"

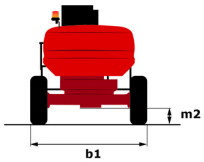
180 ATJ e RC - Load chart

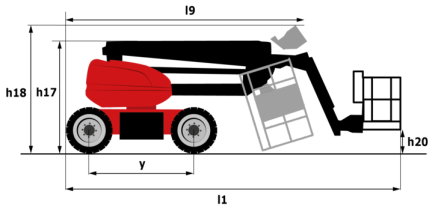
Load Chart for MEWP Metric



180 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
Basket 1,800 mm
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
Galvanized basket - Width: 1800 mm (5 ft. 11 in.)
Hour meter
Integrated diagnostic assistance
LED rotating beacon
Large color screen on turret
Lead acid batteries
Load sensing pump
Oscillating front axle
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
Antitheft digicode
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
Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type
Galvanized basket - Width: 1800 mm (5 ft. 11 in.) + Side swing gate
Galvanized basket - Width: 2100 mm (6 ft. 11 in.)
Galvanized basket - Width: 2100 mm (6 ft. 11 in.) + Side swing gate
Key lock on turret cover
LED amber strobe light on the basket
LED work light - On basket
Lighting pack
OSS - Operation Safety System
Personalized paintwork
Safety kit - Helmet and harness
Setting to block the telescope
Water pre-fitting

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