

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/s ²
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
 Slings 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



Head Office

B.P. 249 - 430 rue de l'Aubinière
44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



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