

Technical sheet :

160 ATJ+ E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.22 m
Platform height	h7	14.26 m
Max. 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		350 °
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		5.30 km/h
Drive speed - raised		0.70 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		10.60 dan/cm ²
Hydraulic Pressure		250 bar
Hydraulic tank capacity		24 l
Sound pressure level (platform work station) (LpA)		70 dB
Vibration on hands/arms		< 2.50 m/s ²
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

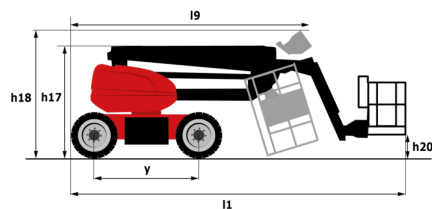
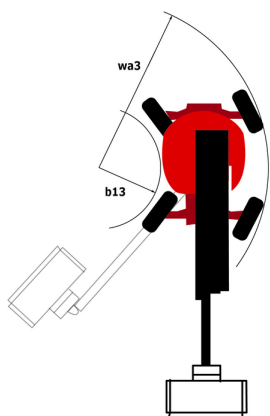
** According to "REDUCE cycle"

160 ATJ+ e - Load chart

Load Chart for MEWP Metric



160 ATJ+ e - Dimensional drawing



Equipment

Standard

220V predisposition in the platform
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 Basket 1,800 mm
 CAN bus technology
 Dead man pedal
 Differential locking on rear axle
 Easy Link with 2 year Service
 Easy Manager
 Emergency stop button in platform and on frame
 Front axle with limited slip
 Fully galvanized basket with demountable floor
 Horn in the platform
 Hour meter
 LED rotating beacon
 Leveling unlocking
 Load sensing pump
 Oscillating front axle
 Reserve mode
 Screen information in the basket
 Simplified lifting system without spreader bar
 Slings and securing rings
 Steer and rotate
 Turret orientation information

Optional

Audio warning on all motion - White noise
 Biodegradable hydraulic oil - Grade 32
 Biodegradable oil
 Bottom screen protection
 Continuous turret rotation
 Digicode anti-theft device
 Easy Link - With access control keypad
 Easy link with remote lock
 Electric centralized filling
 External pneumatic supply source
 Foam-filled tires 914 x 381 mm / 36X15D610
 Fully galvanized basket 1800mm / 5'11" with lateral door
 Galvanized basket 2,100 mm
 Galvanized basket 2.100 mm / 6'11" with lateral door
 Key lock on turret cover
 Lighting pack
 Locking the telescope by parameter setting
 OSS - Operation Safety System
 Personalized paintwork
 Safety kit - Harness + helmet
 Water predisposition



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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes