

Technical sheet :

160 ATJ+



Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Max. outreach		8.52 m
Overhang		7.59 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	2.45 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	0.15 m
External turning radius	Wa3	4.09 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 nom		Stage V
I.C. Engine power rating / Power		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.50 dan/cm2
Hydraulic Pressure		340 bar
Hydraulic tank capacity		53 l
Fuel tank		51 l
Noise to environment (LWA)		< 105 dB
Vibration on hands/arms		< 0.50 m/s ²
Daily consumption **		7 l
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+ - Load chart

Load Chart for MEWP Metric



160 ATJ+ - Dimensional drawing



Equipment

Standard

230V Predisposition
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 CAN bus technology
 Connected machine
 Dead man pedal
 Differential locking on rear axle
 Easy fast slinging system
 Front axle with limited slip
 Fuel gauge with low level indicator
 Horn in the platform
 Hour meter
 Integrated diagnostic assistance
 LED rotating beacon
 Large basket with three entries
 Large color screen on turret
 Leveling unlocking
 Management via engine speed bearing
 Oscillating front axle
 Stop & Go system

Optional

230V socket with circuit-breaker on boom head
 Additional storage boxes
 Battery blanket
 Battery charger automatic start
 Biodegradable hydraulic oil - Grade 32
 Coded anti-start
 Continuous turret rotation
 Fuel tank locking cap
 High capacity starting battery
 Hydraulic oil heater
 Key lock on turret cover
 Large basket 2.30m with lateral door
 Lockable fuel cap
 Non-marking tyres
 On-board generator (3,5 or 5 kW)
 Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
 Panel cradle
 Personalized paintwork
 Pipe cradle
 Protection screen and key lock turret
 Safety kit - Harness + helmet
 Safety valve
 Secondary Protection System (SPS)
 Socket 230 V + differential circuit breaker
 Spark arresting muffler
 Water heater
 Water predisposition
 Working light



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