

Technical sheet :

# 160 ATJ+



 **MANITOU**  
HANDLING YOUR WORLD

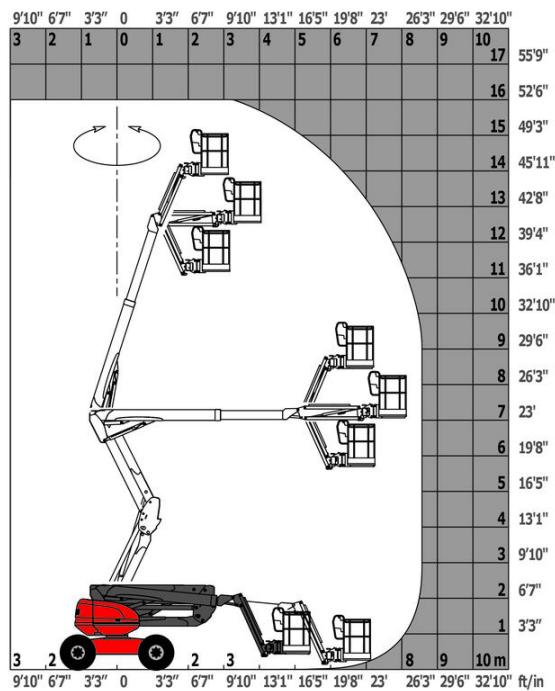
Capacities		Metric
Working height	h21	16.21 m
Platform height	h7	14.21 m
Maximum outreach		8.52 m
Overhang		7.39 m
Pendular arm rotation (top / bottom)		+66.50 ° / -65.80 °
Platform capacity	Q	408 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		7500 kg
Platform dimensions (length x width)	l <sub>p</sub> / ep	2.30 m x 0.90 m
Floor height (access)	h20	0.38 m
Overall length	l1	7.09 m
Overall width	b1	2.38 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	0.19 m
External turning radius	Wa3	4.03 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 norm		Stage IIIA, Stage V
Engine power (Hp / kW)		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		11.50 dan/cm <sup>2</sup>
Hydraulic Pressure		340 bar
Hydraulic tank capacity		54.20 l
Fuel		52 l
Noise to environment (L <sub>WA</sub> )		105 dB
Vibration on hands/arms		0.50 m/s <sup>2</sup>
Daily consumption **		4.51 l
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

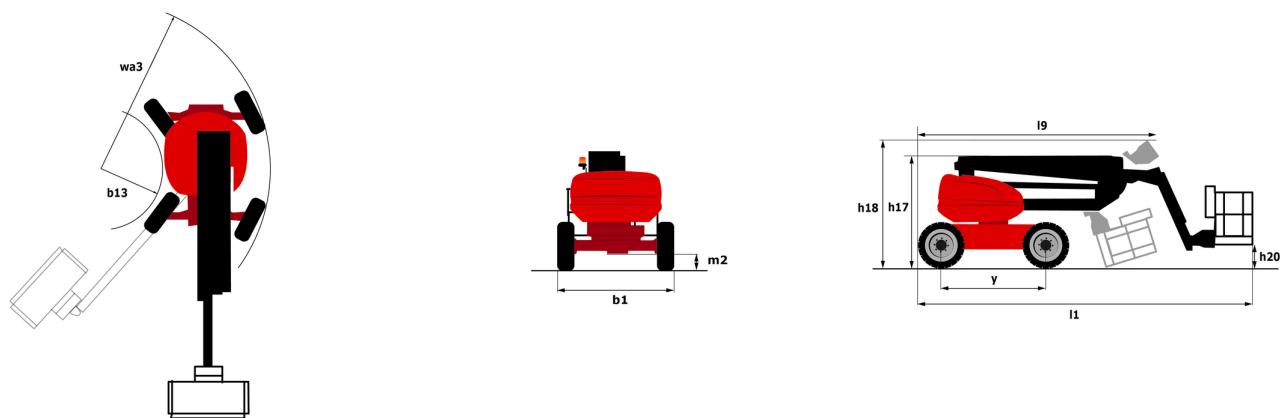
\*\* According to "REDUCE cycle"

## 160 ATJ+ - 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
- Dead man pedal
- Differential locking on rear axle
- Easy Link with 2 year Service
- Easy fast slinging system
- Engine compartment with key lock
- Front axle with limited slip
- Fuel gauge with low level indicator
- Heavy-duty painted basket 2.30 m
- 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
- Secondary Protection System (SPS)
- Stop & Go system

## Optional

- Additional storage boxes
- Battery blanket
- Biodegradable hydraulic oil - Grade 32
- Coded anti-start
- Engine compartment with key lock
- High capacity starting battery
- Hydraulic oil heater
- Large basket 2.30m with lateral door
- Lockable fuel cap
- Non-marking tires
- 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
- Socket 230 V + differential circuit breaker
- Spark arresting muffler
- Water heater
- Water predisposition



# **MANITOU** HANDLING YOUR WORLD

## 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](http://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