

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)    | 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      | 2.38 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 nom                              |         | Stage IIIA, Stage V   |
| Engine power (Hp / kW)                  |         | 24.80 Hp / 18.50 kW   |
| Miscellaneous                           |         |   |
| Ground Pressure                         |         | 11.50 daN/cm2   |
| Hydraulic Pressure                      |         | 340 bar   |
| Hydraulic tank capacity                 |         | 54.20 l   |
| Fuel                                    |         | 52 l  |
| Noise to environment (LWA)              |         | < 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

4 simultaneous movements  
4 wheel drive  
4 wheel steer with crab mode  
Additional foot-operated hom  
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)  
Backup electrical pump  
CAN bus technology  
Differential locking on rear axle  
Driver presence pedal  
Easy Link with 2 year Service  
Easy fast slinging system  
Electrical pre-fitting - 230V  
Front axle with limited slip  
Fuel gauge with low level indicator  
Hour meter  
Integrated diagnostic assistance  
Key lock on turret cover  
LED rotating beacon  
Large basket with three entries  
Large color screen on turret  
Leveling unlocking  
Management via engine speed bearing  
Oscillating front axle  
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)  
Secondary Protection System (SPS)  
Stop & Go system

## Optional

Additional storage boxes  
Anti-theft digicode  
Biodegradable hydraulic oil - Grade 32  
Diesel tank locking cap  
Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type  
Engine pre-heater  
Higher capacity battery, to start the machine easily in cold countries.  
Hydraulic oil pre-heater  
Key lock on turret cover  
Large basket 2.30m with lateral door  
Lower control box protection - With key lock on turret  
Non-marking tires  
On-board generator (3,5 or 5 kW)  
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)  
Panel support kit  
Personalized paintwork  
Safety kit - Helmet and harness  
Spark arrester muffler  
Starter battery blanket  
Tube support kit  
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](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