

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/cm <sup>2</sup>   |
| 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"



# 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  
 Antitheft 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

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