

Technical sheet :

160 ATJ+



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|---------|--|
| Working height | h21 | 16.21 m |
| Floor height (access) | h20 | 0.38 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 |
| 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 norm | | 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/s² |
| 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 |
| Hom 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 |
| Highly capacity battery |
| Hydraulic oil heater |
| Key lock on turret cover |
| Large basket 2.30m with lateral door |
| Lockable fuel cap |
| Narrow basket 1.80m |
| Non-marking tyres |
| On-board generator (3,5 or 5 kW) |
| 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 |



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