

Technical sheet :

180 ATJ



 **MANITOU**
HANDLING YOUR WORLD

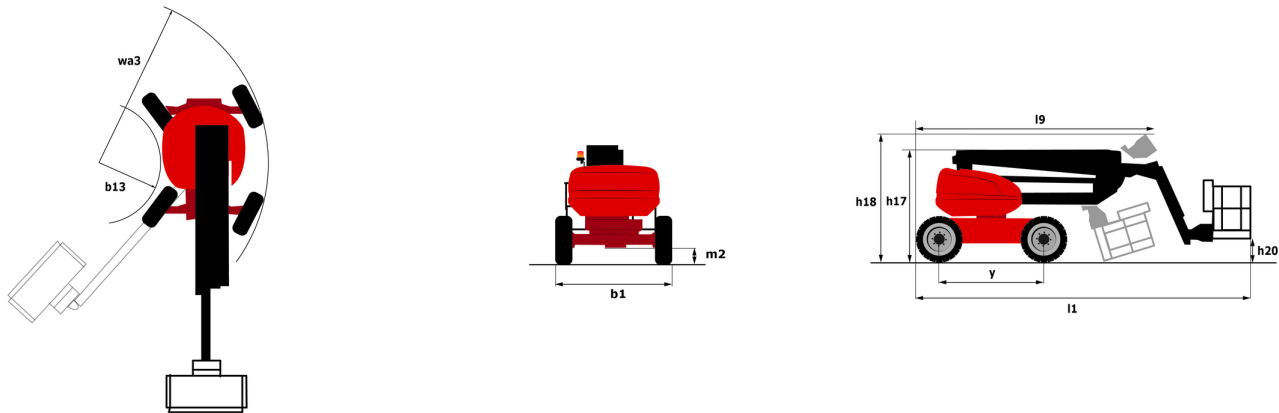
| Capacities | | Metric | Imperial |
|---|---------|--|--|
| Working height | h21 | 18.19 m | 59 ft 8 in |
| Floor height (access) | h20 | 0.40 m | 1 ft 4 in |
| Platform height | h7 | 16.19 m | 53 ft 1 in |
| Max. outreach | | 10.51 m | 34 ft 6 in |
| Overhang | | 7.55 m | 24 ft 9 in |
| Pendular arm rotation (bottom) | | +59.50 ° | +59.50 ° |
| Platform capacity | Q | 230 kg | 507 lb |
| Turret rotation | | 350 ° | 350 ° |
| Platform rotation (right / left) | | 90 ° / 90 ° | 90 ° / 90 ° |
| Number of people (indoor / outdoor) | | 2 / 2 | 2 / 2 |
| Weight and dimensions | | | |
| Platform weight* | | 7430 kg | 16380 lb |
| Platform dimensions (length x width) | lp / ep | 1.80 m x 0.80 m | 5 ft 11 in x 2 ft 7 in |
| Overall length | l1 | 7.79 m | 25 ft 7 in |
| Overall width | b1 | 2.32 m | 7 ft 7 in |
| Overall height | h17 | 2.47 m | 8 ft 1 in |
| Overall length (stowed) | l9 | 5.56 m | 18 ft 3 in |
| Overall height (stowed) ** | h18 | 2.56 m | 8 ft 5 in |
| Counterweight offset (turret at 90°) | a7 | 0.22 m | 9 in |
| Counterweight Oversize / Reach | | 0.22 m | 9 in |
| External turning radius | Wa3 | 3.75 m | 12 ft 4 in |
| Ground clearance at centre of wheelbase | m2 | 0.40 m | 1 ft 4 in |
| Wheelbase | y | 2.20 m | 7 ft 3 in |
| Performances | | | |
| Drive speed - stowed | | 5 km/h | 3 mph |
| Drive speed - raised | | 1 km/h | 0.62 mph |
| Gradeability | | 45 % | 45 % |
| Permissible leveling | | 5 ° | 5 ° |
| Wheels | | | |
| Tires type | | Foam-filled | Foam-filled |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Braking wheels (front / rear) | | 0 / 2 | 0 / 2 |
| Engine/Battery | | | |
| Engine brand / model | | Kubota - D1105-E4B | Kubota - D1105-E4B |
| Engine norm | | Interim Tier 4, Stage IIIA, Stage V | Interim Tier 4, Stage IIIA, Stage V |
| I.C. Engine power rating / Power | | 24.80 Hp / 18.50 kW | 24.80 Hp / 18.50 kW |
| Miscellaneous | | | |
| Ground Pressure | | 10 dan/cm2 | 145 PSI |
| Hydraulic Pressure | | 340 bar | 4931 PSI |
| Hydraulic tank capacity | | 54 l | 14 US gal |
| Fuel tank | | 52 l | 14 US gal |
| Vibration on hands/arms | | < 0 m/s² | < 0 m/s² |
| Daily consumption ** | | 4.26 l | 1 US gal |
| 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) | 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

180 ATJ - Load chart



180 ATJ - Dimensional drawing



Equipment

| Standard |
|---|
| 220V predisposition in the platform |
| 4 simultaneous movements |
| 4 wheel drive |
| 4 wheel steer with crab mode |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| Backup electrical pump |
| Basket 1,800 mm |
| CAN bus technology |
| Differential locking on rear axle |
| Easy Manager |
| Emergency stop button in platform and on frame |
| Fuel gauge with low level indicator |
| Fully galvanized basket with demountable floor |
| Hour meter |
| Leveling unlocking |
| Load sensing pump |
| Operator presence pedal |
| Oscillating front axle |
| Rear axle with limited slip differential |
| Steer and rotate |
| Stop & Go system |

| Optional |
|---|
| Battery charger |
| Battery cut-off |
| Biodegradable oil |
| Coded anti-start |
| Cold weather protection oil |
| Continuous turret rotation |
| Exhaust line protection, spark arrester and fume reduction system |
| Fully galvanized basket 1800mm / 5'11" with lateral door |
| Galvanized basket 2,100 mm |
| Highly capacity battery |
| Lockable fuel cap |
| On-board generator (3,5 or 5 kW) |
| Personalized paintwork |
| Safety harness |
| Secondary Protection System (SPS) |
| Spark arrester |
| 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



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