

Technical sheet :

# 160 ATJ



 **MANITOU**  
HANDLING YOUR WORLD

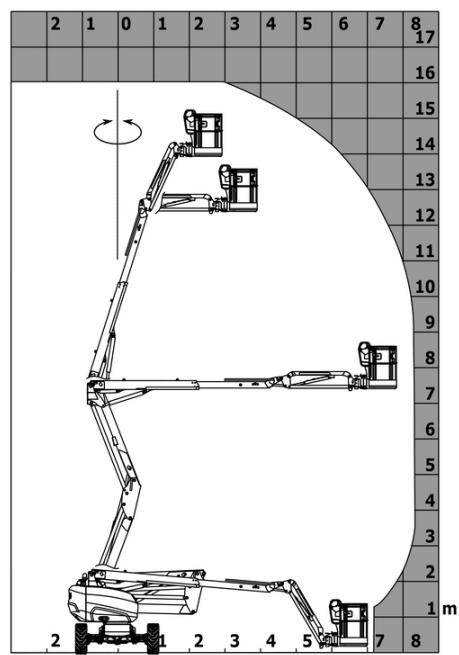
| Capacities                              |         | Metric                              | Imperial                            |
|-----------------------------------------|---------|-------------------------------------|-------------------------------------|
| Working height                          | h21     | 16.02 m                             | 52 ft 7 in                          |
| Floor height (access)                   | h20     | 0.45 m                              | 1 ft 6 in                           |
| Platform height                         | h7      | 14.02 m                             | 46 ft                               |
| Max. outreach                           |         | 8.30 m                              | 27 ft 3 in                          |
| Overhang                                |         | 7.50 m                              | 24 ft 7 in                          |
| Pendular arm rotation (top / bottom)    |         | +65 ° / -59.50 °                    | +65 ° / -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*                        |         | 6160 kg                             | 13580 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      | 6.68 m                              | 21 ft 11 in                         |
| Overall width                           | b1      | 2.32 m                              | 7 ft 7 in                           |
| Overall height                          | h17     | 2.37 m                              | 7 ft 9 in                           |
| Overall length (stowed)                 | l9      | 4.44 m                              | 14 ft 7 in                          |
| Overall height (stowed) **              | h18     | 2.63 m                              | 8 ft 8 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      | 0.36 m                              | 1 ft 2 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                         |
| Standard tires                          |         | 834 x 298 mm                        | 834 x 298 mm                        |
| 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        |         | 24.50 Hp / 18.50 kW                 | 24.50 Hp / 18.50 kW                 |
| Miscellaneous                           |         |                                     |                                     |
| Ground Pressure                         |         | 11.60 dan/cm2                       | 168 PSI                             |
| Hydraulic Pressure                      |         | 340 bar                             | 4931 PSI                            |
| Hydraulic tank capacity                 |         | 54 l                                | 14 US gal                           |
| Fuel tank                               |         | 52 l                                | 14 US gal                           |
| Sound level at platform                 |         | 105 dB                              | 105 dB                              |
| Noise to environment (LWA)              |         | < 105 dB                            | < 105 dB                            |
| Daily consumption **                    |         | 4.08 l                              | 1 US gal                            |
| Polluting NOX                           |         | 5.80 kg                             | 13 lb                               |

\*Varies according to options and standards of the country to which the machine is delivered

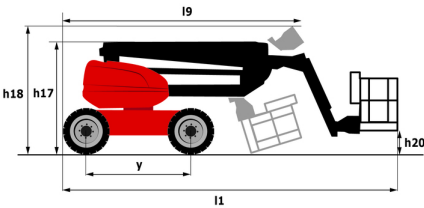
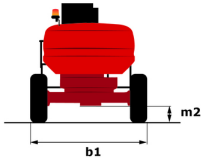
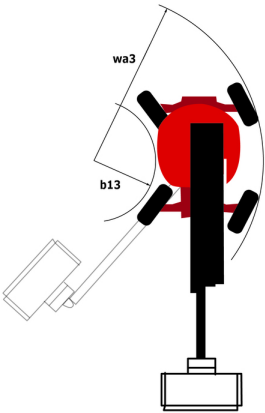
\*\* According to "REDUCE cycle"

160 ATJ - Load chart

Load Chart for MEWP Metric



160 ATJ - Dimensional drawing



# Equipment

## Standard

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  
Dead man pedal  
Differential locking on rear axle  
Easy Manager  
Emergency stop button in platform and on frame  
Front axle with limited slip  
Fuel gauge with low level indicator  
Fully galvanized basket with demountable floor  
Hom in the platform  
Hour meter  
Leveling unlocking  
Load sensing pump  
Oscillating front axle  
Steer and rotate  
Stop & Go system

## Optional

18" tyres  
Battery charger  
Battery cut-off  
Biodegradable oil  
Catalytic cleaner  
Coded anti-start  
Cold weather protection oil  
Continuous turret rotation  
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 headlight in platform



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