

Technical sheet :

# 160 ATJ+ E

OXYGEN



 **MANITOU**  
HANDLING YOUR WORLD

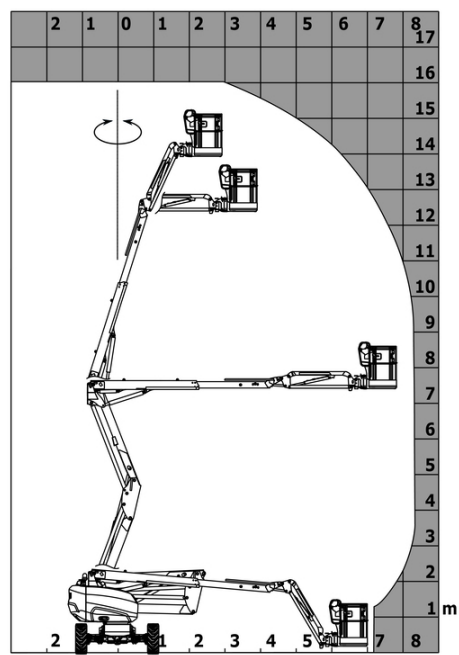
| Capacities                              |         | Metric                                                                                                         | Imperial                                                                                                       |
|-----------------------------------------|---------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Working height                          | h21     | 16.22 m                                                                                                        | 53 ft 3 in                                                                                                     |
| Floor height (access)                   | h20     | 0.42 m                                                                                                         | 1 ft 5 in                                                                                                      |
| Platform height                         | h7      | 14.26 m                                                                                                        | 46 ft 9 in                                                                                                     |
| Max. outreach                           |         | 8.34 m                                                                                                         | 27 ft 4 in                                                                                                     |
| Overhang                                |         | 7.44 m                                                                                                         | 24 ft 5 in                                                                                                     |
| Pendular arm rotation (left / right)    |         | 90 ° / 90 °                                                                                                    | 90 ° / 90 °                                                                                                    |
| Pendular arm rotation (top / bottom)    |         | +66.50 ° / -65.80 °                                                                                            | +66.50 ° / -65.80 °                                                                                            |
| Platform capacity                       | Q       | 408 kg                                                                                                         | 899 lb                                                                                                         |
| Turret rotation                         |         | 350 °                                                                                                          | 350 °                                                                                                          |
| Platform rotation (right / left)        |         | 90 ° / 90 °                                                                                                    | 90 ° / 90 °                                                                                                    |
| Number of people (indoor / outdoor)     |         | 3 / 3                                                                                                          | 3 / 3                                                                                                          |
| Weight and dimensions                   |         |                                                                                                                |                                                                                                                |
| Platform weight*                        |         | 7790 kg                                                                                                        | 17174 lb                                                                                                       |
| Platform dimensions (length x width)    | lp / ep | 2.30 m x 0.90 m                                                                                                | 7 ft 7 in x 2 ft 11 in                                                                                         |
| Overall length                          | l1      | 6.88 m                                                                                                         | 22 ft 7 in                                                                                                     |
| Overall width                           | b1      | 2.38 m                                                                                                         | 7 ft 10 in                                                                                                     |
| Overall height                          | h17     | 2.48 m                                                                                                         | 8 ft 2 in                                                                                                      |
| Overall length (stowed)                 | l9      | 4.70 m                                                                                                         | 15 ft 5 in                                                                                                     |
| Overall height (stowed) **              | h18     | 2.94 m                                                                                                         | 9 ft 8 in                                                                                                      |
| Counterweight offset (turret at 90°)    | a7      | 0.37 m                                                                                                         | 1 ft 3 in                                                                                                      |
| Counterweight Oversize / Reach          |         | 0.37 m                                                                                                         | 1 ft 3 in                                                                                                      |
| External turning radius                 | Wa3     | 3.78 m                                                                                                         | 12 ft 5 in                                                                                                     |
| Ground clearance at centre of wheelbase | m2      | 0.39 m                                                                                                         | 1 ft 3 in                                                                                                      |
| Wheelbase                               | y       | 2.30 m                                                                                                         | 7 ft 7 in                                                                                                      |
| Performances                            |         |                                                                                                                |                                                                                                                |
| Drive speed - stowed                    |         | 5.30 km/h                                                                                                      | 3 mph                                                                                                          |
| Drive speed - raised                    |         | 0.70 km/h                                                                                                      | 0.43 mph                                                                                                       |
| Gradeability                            |         | 45 %                                                                                                           | 45 %                                                                                                           |
| Permissible leveling                    |         | 5 °                                                                                                            | 5 °                                                                                                            |
| Wheels                                  |         |                                                                                                                |                                                                                                                |
| Tires type                              |         | Foam-filled                                                                                                    | Foam-filled                                                                                                    |
| Standard tires                          |         | 914 x 370 mm                                                                                                   | 914 x 370 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                          |         |                                                                                                                |                                                                                                                |
| Battery voltage                         |         | 48 V                                                                                                           | 48 V                                                                                                           |
| Battery nominal voltage / capacity      |         | 48 V / 480 Ah                                                                                                  | 48 V / 480 Ah                                                                                                  |
| Battery energy                          |         | 23 kWh                                                                                                         | 23 kWh                                                                                                         |
| Integrated charger / charger            |         | 48 V / 60 A                                                                                                    | 48 V / 60 A                                                                                                    |
| Miscellaneous                           |         |                                                                                                                |                                                                                                                |
| Ground Pressure                         |         | 10.60 dan/cm2                                                                                                  | 154 PSI                                                                                                        |
| Hydraulic Pressure                      |         | 250 bar                                                                                                        | 3626 PSI                                                                                                       |
| Hydraulic tank capacity                 |         | 24 l                                                                                                           | 6 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

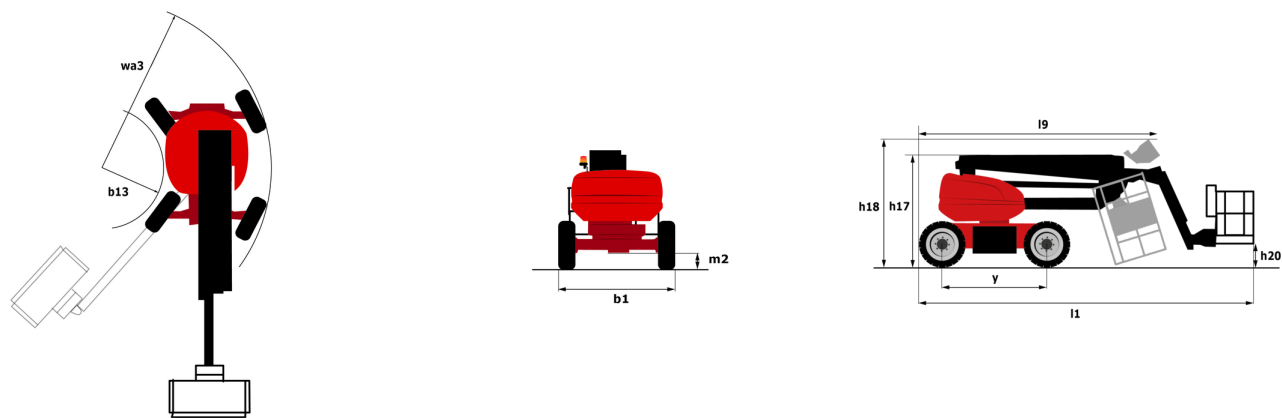
\*\* According to "REDUCE cycle"

160 ATJ+ e - Load chart

Load Chart for MEWP Metric



160 ATJ+ e - 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 Link with 2 year Service                                               |
| Easy Manager                                                                |
| Emergency stop button in platform and on frame                              |
| Front axle with limited slip                                                |
| Fully galvanized basket with demountable floor                              |
| Hom in the platform                                                         |
| Hour meter                                                                  |
| LED rotating beacon                                                         |
| Leveling unlocking                                                          |
| Load sensing pump                                                           |
| Oscillating front axle                                                      |
| Screen information in the basket                                            |
| Secondary Protection System (SPS)                                           |
| Simplified lifting system without spreader bar                              |
| Slings and securing rings                                                   |
| Steer and rotate                                                            |
| Turret orientation information                                              |

| Optional                                                 |
|----------------------------------------------------------|
| 18" tyres                                                |
| Beep on forward and backward by Lynx alarm               |
| Biodegradable hydraulic oil - Grade 32                   |
| Biodegradable oil                                        |
| Bottom screen protection                                 |
| Continuous turret rotation                               |
| Digicode anti-theft device                               |
| Easy Link - With access control keypad                   |
| Easy link - With remote lock                             |
| Electric centralized filling                             |
| External pneumatic supply source                         |
| Fully galvanized basket 1800mm / 5'11" with lateral door |
| Galvanized basket 2,100 mm                               |
| Galvanized basket 2.100 mm / 6'11" with lateral door     |
| Key lock on turret cover                                 |
| Lighting pack                                            |
| Locking the telescope by parameter setting               |
| OSS - Operation Safety System                            |
| Personalized paintwork                                   |
| Safety kit - Harness + helmet                            |
| Water predisposition                                     |



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