

Technical sheet :

# 160 ATJ+ **E** RC

OXYGEN



 **MANITOU**  
HANDLING YOUR WORLD

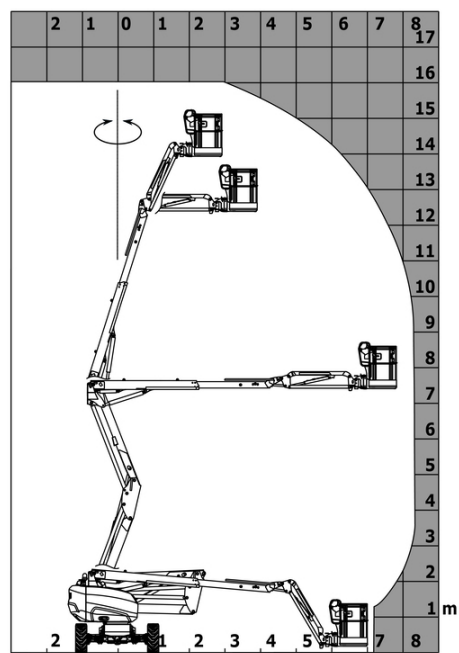
| Capacities                               |         | Metric                                                                                                                              |
|------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|
| Working height                           | h21     | 16.22 m                                                                                                                             |
| Platform height                          | h7      | 14.22 m                                                                                                                             |
| Maximum outreach                         |         | 8.34 m                                                                                                                              |
| Overhang                                 |         | 7.44 m                                                                                                                              |
| Pendular arm rotation (left / right)     |         | 90 ° / 90 °                                                                                                                         |
| Pendular arm rotation (top / bottom)     |         | +66.50 ° / 65.80 °                                                                                                                  |
| Platform capacity                        | Q       | 408 kg                                                                                                                              |
| Turret rotation                          |         | 360 °                                                                                                                               |
| Platform rotation (right / left)         |         | 90 ° / 90 °                                                                                                                         |
| Number of people (indoor / outdoor)      |         | 3 / 3                                                                                                                               |
| Weight and dimensions                    |         |                                                                                                                                     |
| Platform weight*                         |         | 7790 kg                                                                                                                             |
| Platform dimensions (length x width)     | lp / ep | 2.30 m x 0.90 m                                                                                                                     |
| Floor height (access)                    | h20     | 0.42 m                                                                                                                              |
| Overall length                           | l1      | 6.88 m                                                                                                                              |
| Overall width                            | b1      | 2.38 m                                                                                                                              |
| Overall height                           | h17     | 2.48 m                                                                                                                              |
| Overall length (stowed)                  | l9      | 4.70 m                                                                                                                              |
| Overall height (stowed)                  | h18 *** | 2.94 m                                                                                                                              |
| Counterweight offset (turret at 90°)     | a7      | 0.37 m                                                                                                                              |
| Counterweight Oversize / Reach           |         | 0.37 m                                                                                                                              |
| External turning radius                  | Wa3     | 3.78 m                                                                                                                              |
| Ground clearance at centre of wheelbase  | m2      | 0.39 m                                                                                                                              |
| Wheelbase                                | y       | 2.30 m                                                                                                                              |
| Performances                             |         |                                                                                                                                     |
| Drive speed - stowed                     |         | 5 km/h                                                                                                                              |
| Drive speed - raised                     |         | 1 km/h                                                                                                                              |
| Gradeability                             |         | 45 %                                                                                                                                |
| Permissible leveling                     |         | 5 °                                                                                                                                 |
| Wheels                                   |         |                                                                                                                                     |
| Tires type                               |         | Foam Filled Non Marking                                                                                                             |
| Standard tires                           |         | 914 x 381 mm / 36X15D610                                                                                                            |
| Drive wheels (front / rear)              |         | 2 / 2                                                                                                                               |
| Steering wheels (front / rear)           |         | 2 / 2                                                                                                                               |
| Braking wheels (front / rear)            |         | 0 / 2                                                                                                                               |
| Engine/Battery                           |         |                                                                                                                                     |
| Battery voltage                          |         | 48 V                                                                                                                                |
| Battery nominal voltage / capacity       |         | 48 V / 480 Ah                                                                                                                       |
| Battery energy                           |         | 23 kWh                                                                                                                              |
| On-board charger (V / A)                 |         | 48 V / 60 A                                                                                                                         |
| Miscellaneous                            |         |                                                                                                                                     |
| Number of cycles with STD Battery (HIRD) |         | 50                                                                                                                                  |
| Hydraulic Pressure                       |         | 250 bar                                                                                                                             |
| Hydraulic tank capacity                  |         | 24 l                                                                                                                                |
| Noise to environment (LwA)               |         | 70 dB                                                                                                                               |
| Vibration on hands/arms                  |         | 2.50 m/s²                                                                                                                           |
| 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

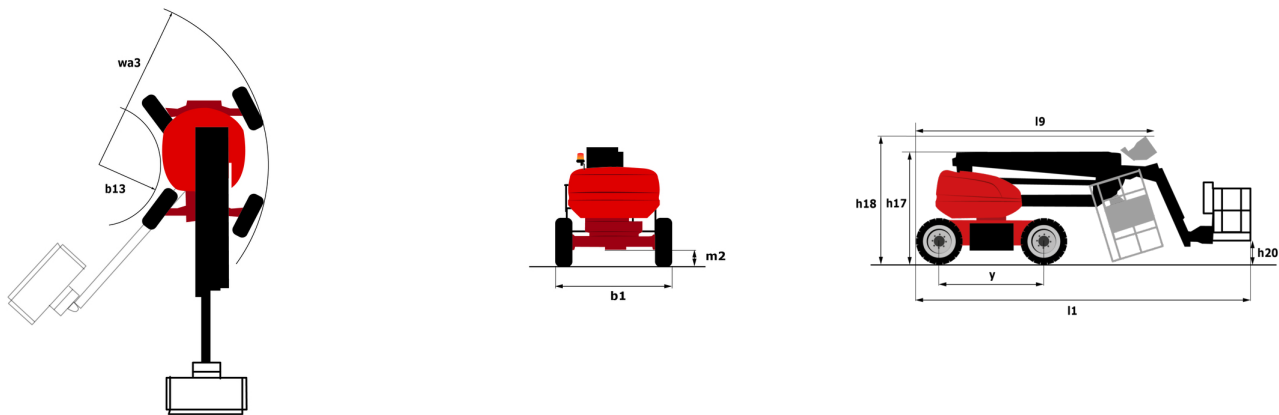
\*\* According to "REDUCE cycle"

160 ATJ+ e RC - Load chart

Load Chart for MEWP Metric



160 ATJ+ e RC - 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                                                      |
| CAN bus technology                                                          |
| Continuous turret rotation                                                  |
| Dead man pedal                                                              |
| Differential locking on rear axle                                           |
| Easy Link with 2 year Service                                               |
| Emergency stop button in platform and on frame                              |
| Front axle with limited slip                                                |
| Hom in the platform                                                         |
| Hour meter                                                                  |
| Integrated diagnostic assistance                                            |
| LED rotating beacon                                                         |
| Large color screen on turret                                                |
| Lead acid batteries                                                         |
| Load sensing pump                                                           |
| Oscillating front axle                                                      |
| Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)             |
| Reserve mode                                                                |
| Screen information in the basket                                            |
| Secondary Protection System (SPS)                                           |
| Simplified lifting system without spreader bar                              |
| Slings and securing rings                                                   |
| Steer and rotate                                                            |
| Tool box in platform                                                        |
| Turret orientation information                                              |
| Optional                                                                    |
| 110 or 230V plug with differential circuit breaker                          |
| Additional tool boxes (X2)                                                  |
| Audio warning on all motion                                                 |
| Audio warning on all motion - White noise                                   |
| Audio warning on translation                                                |
| Audio warning on translation - White noise                                  |
| Biodegradable hydraulic oil - Grade 32                                      |
| Digicode anti-theft device                                                  |
| Earthing and shortcircuiting pre-fitting (Bolted ball)                      |
| 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                    |
| Hydraulic oil heater                                                        |
| Iron wheel package                                                          |
| Key lock on turret covers                                                   |
| LED amber strobe light on the basket                                        |
| LED work light - On basket                                                  |
| Lighting pack                                                               |
| Locking the telescope by parameter setting                                  |
| OSS - Obstacle Detection                                                    |
| OSS - Operation Safety System                                               |
| Painted basket 2.30 m / 7ft 7In for heavy load with lateral door            |
| Painted basket for heavy loads 2,300 mm (7ft 7 in.)                         |
| Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)                  |
| Panel support kit                                                           |
| Personalized paintwork                                                      |
| Safety kit - Harness + helmet                                               |
| Tube support kit                                                            |
| Water predisposition                                                        |



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