Technical sheet :

# 160 ATJ+ E RC

OXYGEN

iapa 2023 International Awards for Powered Access
MACHINE OF THE YEAR

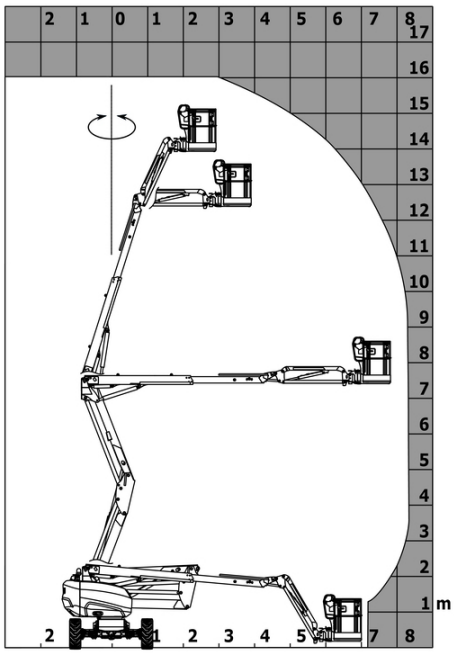
MANITOU
HANDLING YOUR WORLD

| 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 |
| Ground Pressure | | 11.60 daN/cm2 |
| Hydraulic Pressure | | 250 bar |
| Hydraulic tank capacity | | 24 l |
| Noise to environment (LwA) | | < 70 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Body vibration in high speed in the platform (Aw max) | | 0.62 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 |

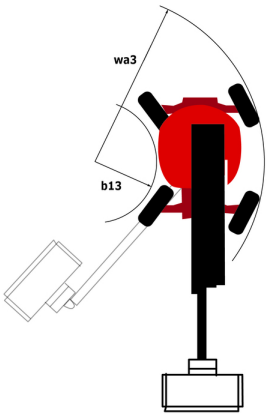
*Varies according to options and standards of the country to which the machine is delivered
** According to "REDUCE cycle"

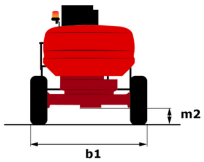
# 160 ATJ+ e RC - Load chart

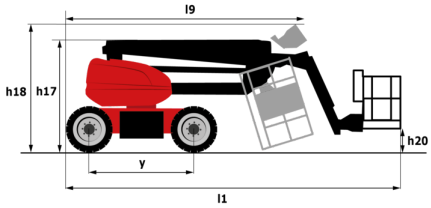
## Load Chart for MEWP Metric




# 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 |
| Additional foot-operated horn |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| Backup electrical pump |
| Battery reserve mode |
| CAN bus technology |
| Continuous turret rotation |
| Differential locking on rear axle |
| Driver presence pedal |
| Easy Link with 2 year Service |
| Emergency stop button in platform and on frame |
| Front axle with limited slip |
| 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.) |
| Screen information in the basket |
| Secondary Protection System (SPS) |
| Simplified lifting system without spreader bar |
| Simultaneous steering and turret rotation functions |
| Slinging and securing rings |
| Toolbox |
| Turret orientation detection |

| Optional |
| --- |
| Additional storage for tools (x2) |
| Antitheft digicode |
| 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 |
| Charger plug - 110V - 16A - United Kingdom (G) type |
| Compressed air pipe pre-fitting |
| Earthing and short-circuiting pre-fitting (Bolted ball) |
| Easy Link - With access control keypad |
| Easy Link - With remote lock |
| Electric central filling system |
| Front metallic wheels + Rear metallic wheels |
| Hydraulic oil pre-heater |
| Key lock on turret cover |
| LED amber strobe light on the basket |
| LED work light - On basket |
| Lighting pack |
| OSS - Operation Safety System |
| Operation Safety System (OSS) + SafeAlert - Front radar - With obstacle detection + SafeAlert - Rear radar - With obstacle detection |
| Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.) |
| Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.) + Side swing gate |
| Painted narrow basket for heavy loads 1800mm (5 ft 11 in.) |
| Panel support kit |
| Personalized paintwork |
| Safety kit - Helmet and harness |
| Setting to block the telescope |
| Tube support kit |
| Water pre-fitting |

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