

Technical sheet :

# 120 SE S3



 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |         | Metric   |
|--|---------|--|
| Working height   | h21     | 11.78 m  |
| Working height maximum (indoor)                                  | h21     | 11.78 m  |
| Working height maximum (outdoor)                                 | h21'    | 8.71 m   |
| Platform height maximum (indoor)                                 | h7      | 9.78 m   |
| Platform height maximum (outdoor)                                | h7'     | 6.71 m   |
| Platform capacity  | Q       | 318 kg   |
| Max. capacity on the extension deck                              |         | 113 kg   |
| Number of people (indoor / outdoor)                              |         | 2 / 1  |
| Weight and dimensions  |         |  |
| Platform weight*   |         | 2367 kg  |
| Platform dimensions (length x width)                             | lp / ep | 2.26 m x 1.16 m  |
| Platform dimensions with extension (length x width)              |         | 3.18 m x 1.16 m  |
| Overall length   | l1      | 2.44 m   |
| Overall width  | b1      | 1.18 m   |
| Overall height   | h17     | 2.43 m   |
| Overall height (stowed)  | h18 *** | 1.82 m   |
| Internal turning radius / External turning radius                | Wa3     | 0 mm/2.29 m  |
| Ground clearance with pothole guards deployed                    | m6      | 0.02 m   |
| Ground clearance with pothole guards folded                      | m2      | 0.12 m   |
| Ground clearance at centre of wheelbase                          | m2      | 0.12 m   |
| Wheelbase  | y       | 1.85 m   |
| Performances   |         |  |
| Drive speed - stowed   |         | 4 km/h   |
| Drive speed - raised   |         | 0.80 km/h  |
| Raise speed (laden) / Lower speed (laden)                        |         | 53 s / 34 s  |
| Gradeability   |         | 25 %   |
| Indoor and outdoor max Tilt Rating (Fore and Aft / Side-to-Side) |         | 3 ° / 1.50 °   |
| Wheels   |         |  |
| Tires type   |         | Non marking  |
| Standard tires   |         | 380 x 130 mm   |
| Drive wheels (front / rear)                                      |         | 2 / 0  |
| Steering wheels (front / rear)                                   |         | 2 / 0  |
| Braking wheels (front / rear)                                    |         | 2 / 0  |
| Engine/Battery   |         |  |
| Battery voltage  |         | 6 V  |
| Battery capacity   |         | 225 Ah   |
| Battery energy   |         | 5 kWh  |
| On-board charger (V / A)   |         | 24 V / 20 A  |
| Miscellaneous  |         |  |
| Ground Pressure  |         | 10.26 dan/cm2  |
| Hydraulic tank capacity  |         | 15.10 l  |
| Noise to environment (LwA)                                       |         | < 70 dB  |
| Vibration on hands/arms  |         | < 0.50 m/s²  |
| 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) |

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

120 SE S3 - Load chart



120 SE S3 - Dimensional drawing



# Equipment

| Standard  |
|---|
| 2 flashing LED beacons  |
| 2 swing out component trays (hydraulic/electric)                            |
| 220V predisposition in the platform   |
| Anti-slip platform surface  |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| Battery charge indicator lamp   |
| CAN bus technology  |
| Descent alarm   |
| Emergency stop  |
| Emergency stop button in platform and on frame                              |
| Folding rails   |
| Hom in the platform   |
| Hour meter  |
| Integrated diagnostic assistance  |
| Load management according to environment (indoor/outdoor)                   |
| Manual emergency lowering   |
| Multi-voltage integrated charger  |
| Non-marking rubber tyres  |
| Platform access gate  |
| Pothole protection with automatic operation                                 |
| Side and rear forklift pockets  |

| Optional                    |
|-----------------------------|
| Biodegradable oil           |
| Cold weather protection oil |
| Safety harness              |

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