

Technical sheet :

120 SC



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|---------|--|
| Working height | h21 | 11.75 m |
| Platform height | h7 | 9.96 m |
| Platform capacity | Q | 454 kg |
| Max. capacity on the extension deck | | 136 kg |
| Number of people (indoor / outdoor) | | 4 / 2 |
| Weight and dimensions | | |
| Platform weight* | | 3857 kg |
| Platform dimensions (length x width) | lp / ep | 2.79 m x 1.60 m |
| Platform dimensions with extension (length) | | 4.31 m |
| Overall length | l1 | 3.76 m |
| Overall width | b1 | 1.75 m |
| Overall height | h17 | 2.59 m |
| Overall height (stowed) | h18 *** | 1.92 m |
| Overall length with platform extension | l15 | 4.81 m |
| External turning radius | Wa3 | 4.60 m |
| Ground clearance at centre of wheelbase | m2 | 0.24 m |
| Wheelbase | y | 2.29 m |
| Performances | | |
| Drive speed - stowed | | 5.60 km/h |
| Drive speed - raised | | 0.40 km/h |
| Raise speed (laden) / Lower speed (laden) | | 42 s / 28 s |
| Gradeability | | 30 % |
| Max outrigger leveling front uphill / back uphill | | 5.30 ° / 4.20 ° |
| Max outrigger leveling side to side | | 11.70 ° |
| Indoor and outdoor max Tilt Rating (Fore and Aft / Side-to-Side) | | 3 ° / 2 ° |
| Wheels | | |
| Tires type | | Foam-filled |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 0 |
| Braking wheels (front / rear) | | 2 / 2 |
| Engine/Battery | | |
| Engine brand / model | | Kubota - D1105 |
| Engine norm | | Tier 4 final |
| I.C. Engine power rating / Power | | 25 Hp / 18.50 kW |
| Miscellaneous | | |
| Ground Pressure | | 5.44 dan/cm2 |
| Hydraulic tank capacity | | 68.10 l |
| Fuel tank | | 37.90 l |
| Sound pressure level (platform work station) (LpA) | | 79 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Standards compliance | | |
| This machine is in compliance with: | | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) |

*** With folded guardrail

120 SC - Load chart



120 SC - Dimensional drawing



Equipment

| Standard |
|---|
| 230V Predisposition |
| 4 wheel drive |
| Anti-slip platform surface |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| CAN bus technology |
| Emergency stop button in platform and on frame |
| Fixed anti-shearing protection |
| Fold-away guard rails to allow movement through the door |
| Hom in the platform |
| Hour meter |
| Integrated diagnostic assistance |
| Lowering alarm |
| Oscillating front axle |
| Platform access gate |
| Proportional controls |
| Removable control unit |
| Stabilizers with automatic leveling |
| Travel possible at maximum height |

| Optional |
|---|
| 2 flashing lights on frame |
| Biodegradable oil |
| Initial verification report before putting into service |
| Lights |
| Non-marking wheels (diameter -58 mm) |
| Safety harness |
| Working headlight in platform |



Head Office

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



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