Technical sheet :

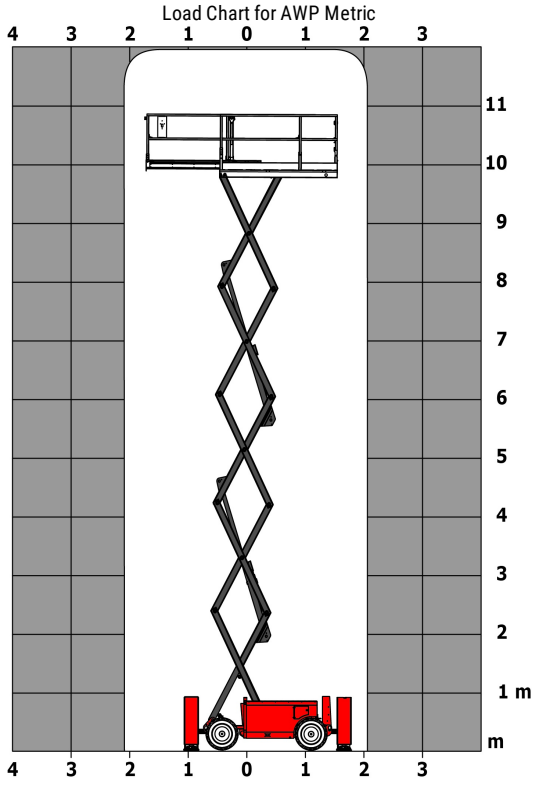
120 SC

MANITOU
HANDLING YOUR WORLD

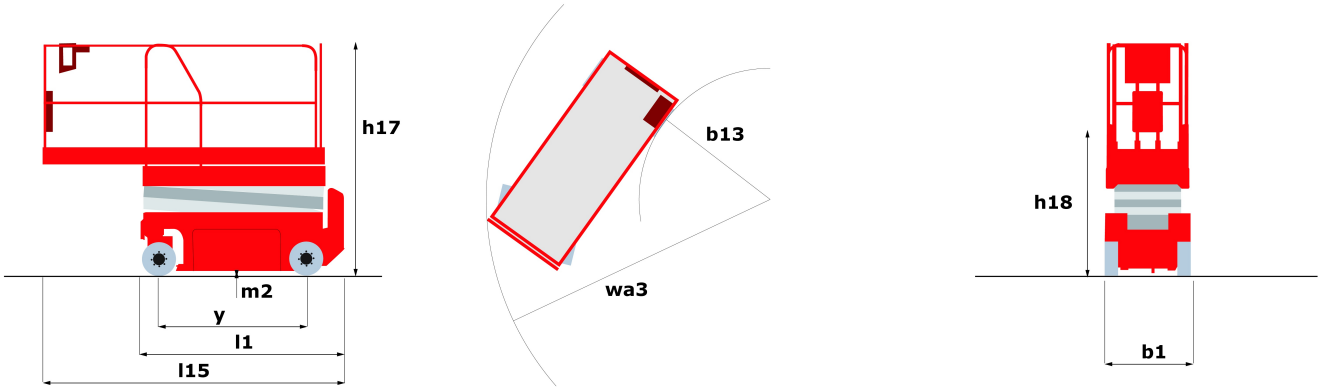
Capacities		Metric
Working height	h21	11.75 m
Platform height	h7	9.96 m
Platform capacity	Q	454 kg
Lift capacity - Extension deck		136 kg
Number of people (inside / outside)		4 / 2
Weight and dimensions		
Platform weight*		3882 kg
Platform dimensions (length x width)	lp / ep	2.79 m x 1.60 m
Platform dimensions with extension (length)		4.31 m
Overall width	b1	1.75 m
Overall length	l1	3.76 m
Overall height	h17	2.59 m
Overall height (stowed)	h18	1.92 m
Overall length with platform extension	l15	4.81 m
Internal turning radius (over tyres)	b13	2.11 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		0.50 km/h
Raise speed / Lower speed		42 s / 28 s
Gradeability		35 %
Max outrigger leveling front uphill / back uphill		5.30 ° / 4.20 °
Max outrigger leveling side to side		11.70 °
Permissible leveling (front / side)		3 ° / 2 °
Wheels		
Tyres 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 (kW)		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)		79 dB(A)
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

Load chart


Load Chart for AWP Metric
4 3 2 1 0 1 2 3
11
10
9
8
7
6
5
4
3
2
1 m
m
4 3 2 1 0 1 2 3

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
Horn 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
Air predisposition
Beep on every movement
Biodegradable oil
Flashing Light
Initial verification report before putting into service
Non-marking wheels (diameter -58 mm)
Safety harness
Working headlight in platform

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