Technical sheet :

120 SC



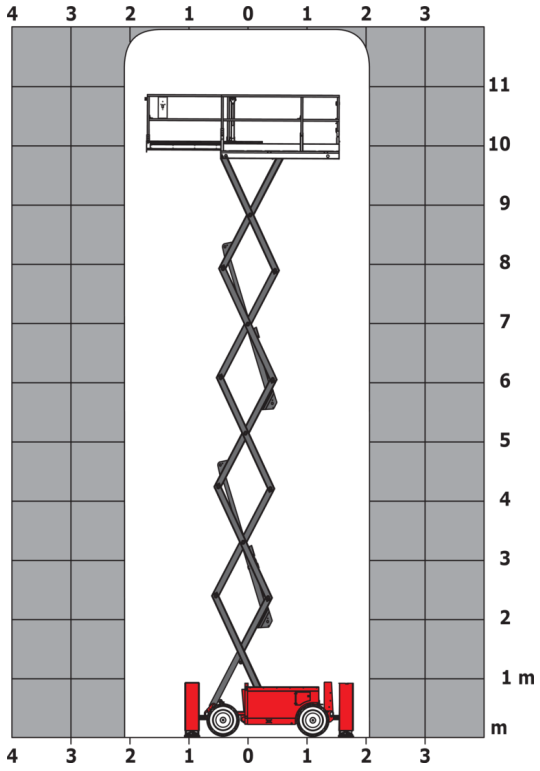
MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Working height	h21	11.75 m	38 ft 7 in
Platform height	h7	9.96 m	32 ft 8 in
Platform capacity	Q	454 kg	1001 lb
Max. capacity on the extension deck		136 kg	300 lb
Number of people (indoor / outdoor)		4 / 2	4 / 2
Weight and dimensions			
Platform weight*		3857 kg	8503 lb
Platform dimensions (length x width)	lp / ep	2.79 m x 1.60 m	9 ft 2 in x 5 ft 3 in
Platform dimensions with extension (length)		4.31 m	14 ft 2 in
Overall length	l1	3.76 m	12 ft 4 in
Overall width	b1	1.75 m	5 ft 9 in
Overall height	h17	2.59 m	8 ft 6 in
Overall height (stowed)	h18	1.92 m	6 ft 4 in
Overall length with platform extension	l15	4.81 m	15 ft 9 in
Internal turning radius (over tyres)	b13	2.11 m	6 ft 11 in
External turning radius	Wa3	4.60 m	15 ft 1 in
Ground clearance at centre of wheelbase	m2	0.24 m	9 in
Wheelbase	y	2.29 m	7 ft 6 in
Performances			
Drive speed - stowed		5.60 km/h	3 mph
Drive speed - raised		0.40 km/h	0.25 mph
Raise speed (laden) / Lower speed (laden)		42 s / 28 s	42 s / 28 s
Gradeability		30 %	30 %
Max outrigger leveling front uphill / back uphill		5.30 ° / 4.20 °	5.30 ° / 4.20 °
Max outrigger leveling side to side		11.70 °	11.70 °
Permissible leveling (front / side)		3 ° / 2 °	3 ° / 2 °
Wheels			
Tires type		Foam-filled	Foam-filled
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 0	2 / 0
Braking wheels (front / rear)		2 / 2	2 / 2
Engine/Battery			
Engine brand / model		Kubota - D1105	Kubota - D1105
Engine norm		Tier 4 final	Tier 4 final
I.C. Engine power rating / Power		25 Hp / 18.50 kW	25 Hp / 18.50 kW
Miscellaneous			
Ground Pressure		5.44 dan/cm2	79 PSI
Hydraulic tank capacity		68.10 l	18 US gal
Fuel tank		37.90 l	10 US gal
Sound pressure level (platform work station)		79 dB	79 dB
Vibration on hands/arms		< 2.50 m/s²	< 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)	European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

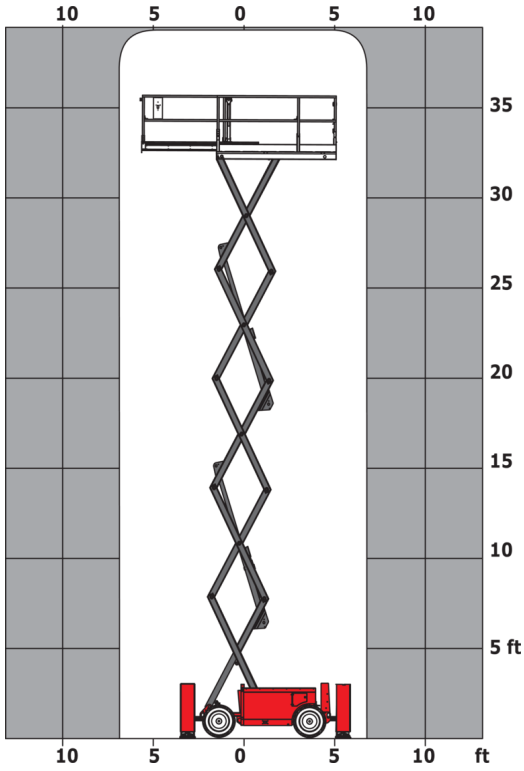
** With folded guardrail

120 SC - Load chart

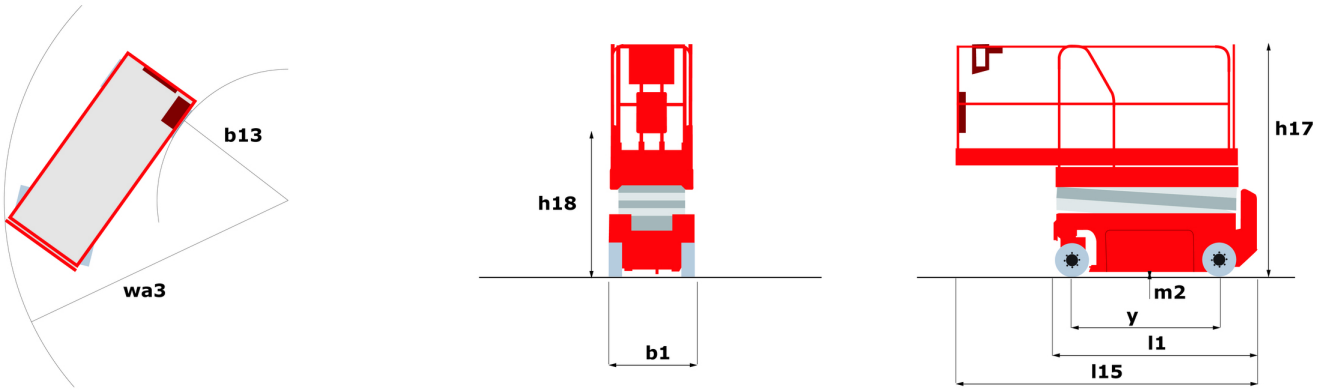
Load Chart for MEWP Metric



Load Chart for MEWP (Imperial)



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
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
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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.
MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes