Technical sheet :

TJ 80+



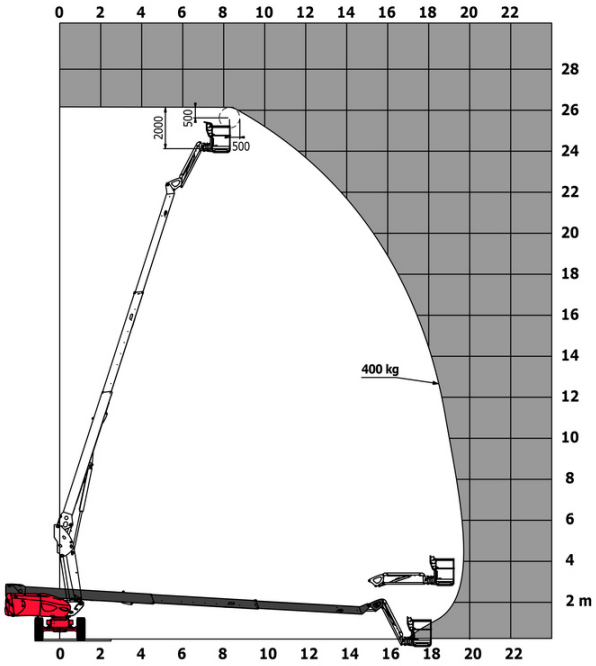
MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Working height	h21	25.89 m	84 ft 11 in
Floor height (access)	h20	0.40 m	1 ft 4 in
Platform height	h7	23.89 m	78 ft 5 in
Max. outreach		19.70 m	64 ft 8 in
Pendular arm rotation (top / bottom)		+70 ° / -63 °	+70 ° / -63 °
Platform capacity	Q	408 kg	899 lb
Turret rotation		360 °	360 °
Platform rotation (right / left)		90 ° / 90 °	90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3	3 / 3
Weight and dimensions			
Platform weight*		16305 kg	35946 lb
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m	7 ft 7 in x 2 ft 11 in
Overall length	l1	10.84 m	35 ft 7 in
Overall width	b1	2.48 m	8 ft 2 in
Overall height	h17	2.71 m	8 ft 11 in
Overall length (stowed)	l9	7.88 m	25 ft 10 in
Overall height (stowed)	h18	2.80 m	9 ft 2 in
Jib length	l13	2.40 m	7 ft 10 in
Counterweight offset (turret at 90°)	a7	1.43 m	4 ft 8 in
Counterweight Oversize / Reach		1.42 m	4 ft 8 in
Internal turning radius (over tyres)	b13	1.97 m	6 ft 6 in
External turning radius	Wa3	4.35 m	14 ft 3 in
Ground clearance at centre of wheelbase	m2	0.41 m	1 ft 4 in
Wheelbase	y	2.80 m	9 ft 2 in
Performances			
Drive speed - stowed		4.50 km/h	3 mph
Drive speed - raised		0.80 km/h	0.50 mph
Gradeability		37.50 %	37.50 %
Permissible leveling		4 °	4 °
Wheels			
Tires type		Solid Tires Cured-On	Solid Tires Cured-On
Standard tires		40 x 14 in / 1025 x 365 mm	40 x 14 in / 1025 x 365 mm
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Braking wheels (front / rear)		2 / 2	2 / 2
Engine/Battery			
Engine brand / model		Kubota - D1803-CR-TIE4B	Kubota - D1803-CR-TIE4B
Engine norm		Tier 4	Tier 4
I.C. Engine power rating / Power		49.60 Hp / 37 kW	49.60 Hp / 37 kW
Miscellaneous			
Ground Pressure		21.30 dan/cm2	309 PSI
Hydraulic Pressure		400 bar	5802 PSI
Hydraulic tank capacity		94 l	25 US gal
Fuel tank		72 l	19 US gal
Vibration on hands/arms		< 0.50 m/s²	< 0.50 m/s²
Standards compliance			
This machine is in compliance with:		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC	ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC

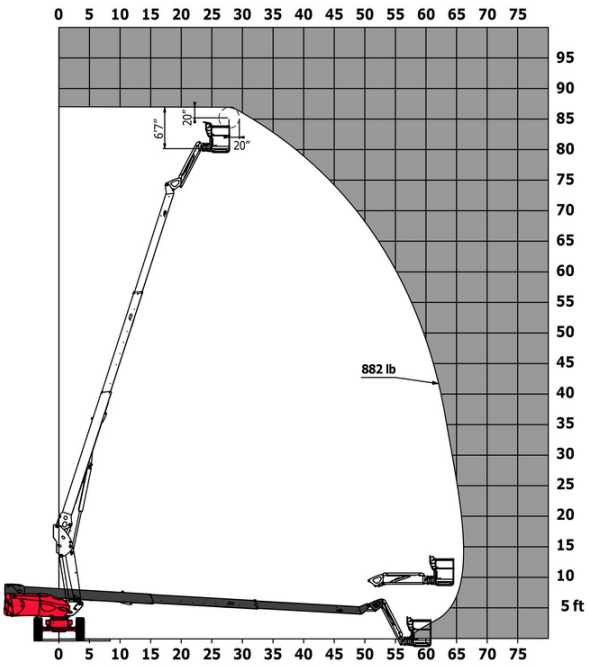
*Varies according to options and standards of the country to which the machine is delivered
** According to "REDUCE cycle"

TJ 80+ - Load chart

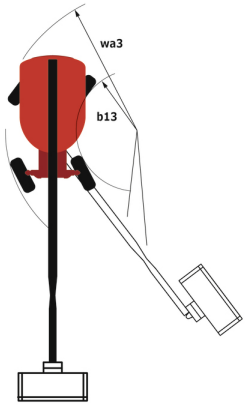
Load Chart for MEWP Metric

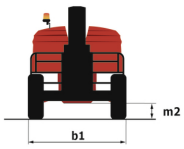


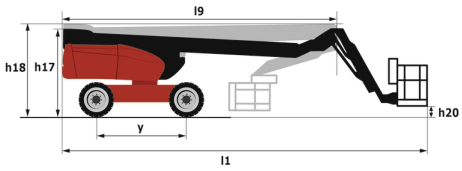
Load Chart for MEWP (Imperial)



TJ 80+ - Dimensional drawing







Equipment

Standard
110 V American plug with differential circuit breaker
4 wheel drive
4 wheel steer with crab mode
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Backup electrical pump
Battery cut-off
CAN bus technology
Continuous turret rotation
Differential locking on rear axle
Easy Manager
Electronic platform compensation
Emergency stop button in platform and on frame
Engine mounted on sliding platform
Fuel gauge with low level indicator
Hour meter
Integrated diagnostic assistance
Large basket with three entries
Lift and drive
Operator presence pedal
Oscillating front axle
Rear axle with limited slip differential
Remote control for transport
Turret orientation information
Water heater

Optional
Additional storage boxes
Biodegradable oil
Catalytic cleaner
Coded anti-start
Cold weather protection oil
Combination Radiator & Hydraulic Oil Cooler
Electric generator
Extreme cold diesel fuel
High-float tires 1046 x 444 / 41x18LL22.5
Key lock on fuel tank
Key lock on turret cover
Non-marking tyres
Panel support kit
SMS : Safe Man System
Tube support kit
Welder ready package
Working light

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