Technical sheet :

220 TJ+

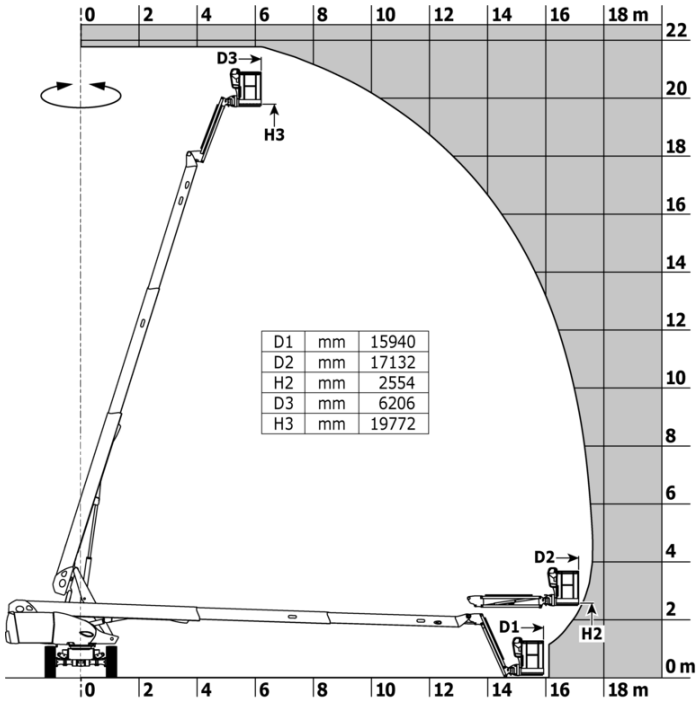
MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	21.74 m
Platform height	h7	19.74 m
Maximum outreach		17.79 m
Pendular arm rotation (top / bottom)		+70 ° / -63 °
Platform capacity	Q	408 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		13880 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Floor height (access)	h20	0.39 m
Overall length	l1	10.06 m
Overall width	b1	2.48 m
Overall height	h17	2.66 m
Overall length (stowed)	l9	7.35 m
Overall height (stowed)	h18 ***	3.03 m
Jib length	l13	2 m
Counterweight offset (turret at 90°)	a7	1.34 m
External turning radius	Wa3	4.40 m
Ground clearance at centre of wheelbase	m2	0.44 m
Wheelbase	y	2.80 m
Performances		
Drive speed - stowed		4.90 km/h
Drive speed - raised		1 km/h
Gradeability		40 %
Permissible leveling		4 °
Wheels		
Tires type		Solid tires
Standard tires		40 x 14 in / 1025 x 365 mm
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Braking wheels (front / rear)		2 / 2
Engine/Battery		
Engine brand / model		Yanmar - 3TNV88C
Engine norm		Stage V
Engine power (Hp / kW)		37 Hp / 27.50 kW
Miscellaneous		
Ground Pressure		18.20 daN/cm2
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel		76 l
Sound pressure level (platform work station) (LpA)		82 dB
Daily consumption **		6.27 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - EMC according to EN 12895 / 2015 +A1 / 2019

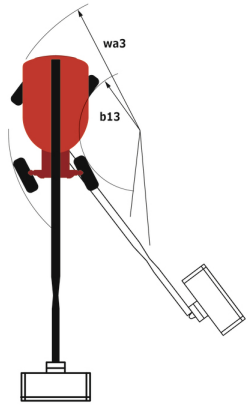
*Varies according to options and standards of the country to which the machine is delivered

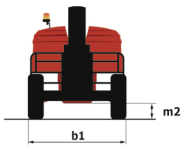
220 TJ+ - Load chart

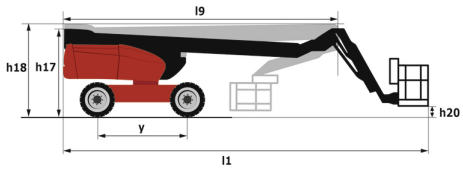
Load Chart for MEWP Metric



220 TJ+ - Dimensional drawing







Equipment

Standard
4 simultaneous movements
4 wheel drive
4 wheel steer with crab mode
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Backup electrical pump
Basket controls protection
Connected machine
Continuous turret rotation
Differential locking on rear axle
Driver presence pedal
Easy fast slinging system
Electrical pre-fitting - 230V
Electronic platform compensation
Emergency stop button in platform and on frame
Engine mounted on sliding platform
Engine with DPF (Diesel Particulate Filter)
Front axle with limited slip
Fuel gauge with low level indicator
Hour meter
Integrated diagnostic assistance
Key lock on turret cover
LED rotating beacon
LS pump
Large color screen on turret
Leveling unlocking
Oscillating front axle
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
Remote control for transport
Stop & Go system
Turret orientation detection
Yellow and black safety stickers on moving parts

Optional
Additional storage boxes
Battery cut-off
Biodegradable hydraulic oil - Grade 32
Biodegradable hydraulic oil - Grade 32
Biodegradable oil
Charger plug - 110V - 16A - United Kingdom (G) type
Compressed air pipe pre-fitting
Diesel tank locking cap
Earthing and short-circuiting pre-fitting (Bolted ball)
Easy Link - With remote lock
Engine Block Heater
Hydraulic oil pre-heater
Key lock on turret cover
LED amber strobe light on the basket
LED work light - On basket
LED work light - On basket
Non marking tires
On-board generator (3,5 or 5 kW)
Packing for containerisation
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
Panel support kit
Rail protection
Reflective stripes
Safety kit - Helmet and harness
Safety valve
Screen protection on the lower box control
Special paint
Starter battery blanket
Starter battery charger and engine pre-heater with common outlet
Tube support kit
Water pre-fitting

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