

Technical sheet :

# 220 TJ+



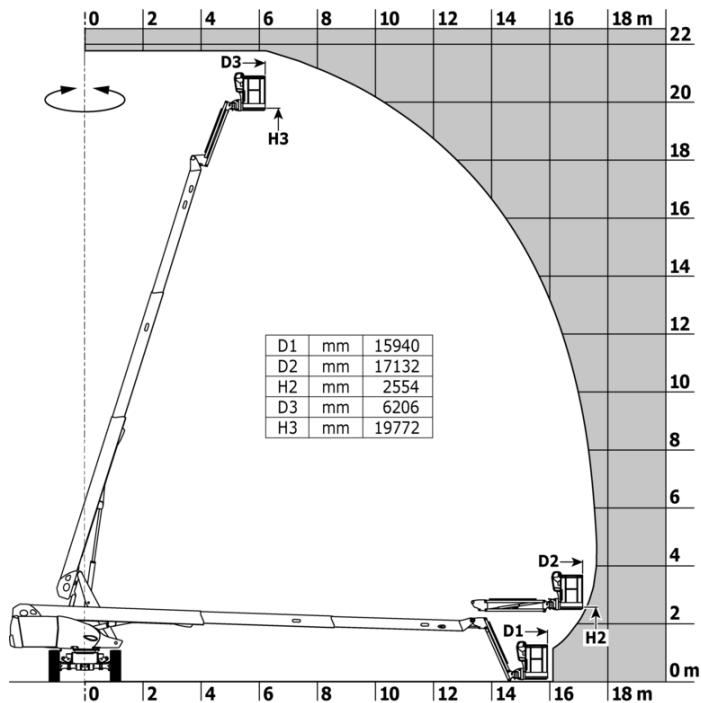
 **MANITOU**  
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Capacities		Metric
Working height	h21	21.74 m
Platform height	h7	19.74 m
Maximum outreach		17.79 m
Pendular arm rotation (top / bottom)		+70 ° / -63 °
Platform capacity	Q	408 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		13880 kg
Platform dimensions (length x width)	l <sub>p</sub> / 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/cm <sup>2</sup>
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

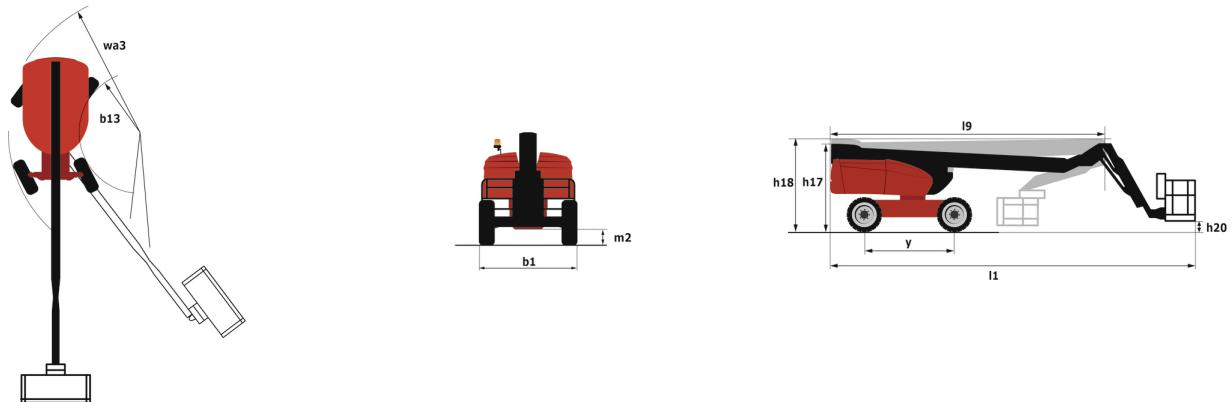
\*Varies according to options and standards of the country to which the machine is delivered

## 220 TJ+ - Load chart

Load Chart for MEWP Metric



## 220 TJ+ - Dimensional drawing



# Equipment

## Standard

- 230V Predisposition
- 4 simultaneous movements
- 4 wheel drive
- 4 wheel steer with crab mode
- Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
- Backup electrical pump
- Connected machine
- Continuous turret rotation
- Dead man pedal
- Differential locking on rear axle
- Easy fast slinging system
- Electronic platform compensation
- Emergency stop button in platform and on frame
- Engine compartment with key lock
- 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
- LED rotating beacon
- LS pump
- Large color screen on turret
- Leveling unlocking
- Oscillating front axle
- Painted basket for heavy loads 2,300 mm (7ft 7 in.)
- Protective cover for control panel
- Remote control for transport
- Stop & Go system
- Turret orientation information
- Yellow and black safety stickers on moving parts

## Optional

- 110 or 230V plug with differential circuit breaker
- Additional storage boxes
- Battery blanket
- Battery cut-off
- Biodegradable hydraulic oil - Grade 32
- Biodegradable oil
- Earthing and shortcircuiting pre-fitting (Bolted ball)
- Easy link with remote lock
- Engine Block Heater
- Engine compartment with key lock
- External pneumatic supply source
- Hydraulic oil for cold temperature
- Hydraulic oil heater
- Key lock on fuel tank
- LED amber strobe light on the basket
- LED work light - On basket
- Non marking tires
- On-board generator (3,5 or 5 kW)
- Packing for containerization
- Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
- Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
- Panel cradle
- Pipe cradle
- Rail protection
- Reflective stripes
- Safety kit - Harness + helmet
- Safety valve
- Screen protection on the lower box control
- Special color paints
- Starter battery charger and engine pre-heater with common outlet
- Water predisposition
- Working light



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