

Technical sheet :

220 TJ ST5



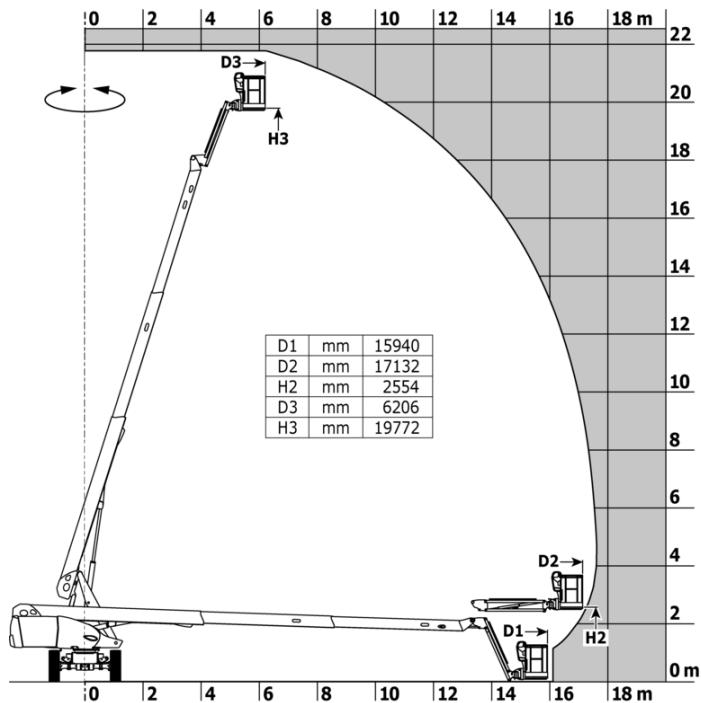
 **MANITOU**
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Capacities		Metric
Working height	h21	21.77 m
Platform height	h7	19.77 m
Maximum outreach		17.63 m
Pendular arm rotation (top / bottom)		+69 ° / -66 °
Platform capacity	Q	230 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		12000 kg
Platform dimensions (length x width)	l p / ep	2.10 m x 0.76 m
Floor height (access)	h20	0.39 m
Overall length	l1	9.81 m
Overall width	b1	2.48 m
Overall height	h17	2.66 m
Overall length (stowed)	j9	7.29 m
Overall height (stowed)	h18 ***	2.72 m
Jib length	l13	2 m
Counterweight offset (turret at 90°)	a7	1.35 m
External turning radius	Wa3	6.19 m
Ground clearance at centre of wheelbase	m2	0.44 m
Wheelbase	y	2.80 m
Performances		
Drive speed - stowed		4.40 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 / 0
Braking wheels (front / rear)		0 / 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 ²
Hydraulic Pressure		340 bar
Hydraulic tank capacity		94 l
Fuel		76 l
Sound pressure level (platform work station) (LpA)		82 dB
Daily consumption **		5.48 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

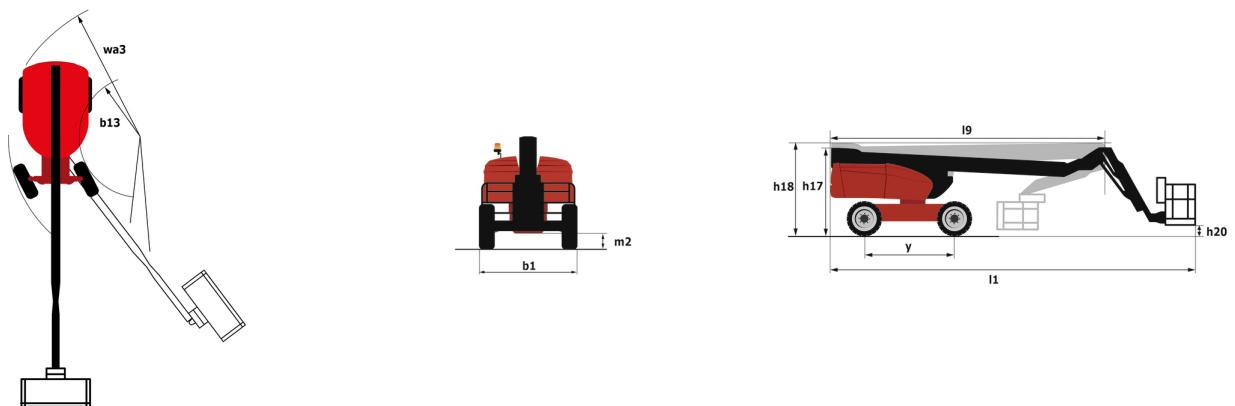
*Varies according to options and standards of the country to which the machine is delivered

220 TJ ST5 - Load chart

Load Chart for MEWP Metric



220 TJ ST5 - Dimensional drawing



Equipment

Standard

- 230V Predisposition
- 4 simultaneous movements
- 4 wheel drive
- 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
- Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
- Hour meter
- Hydraulic oil heater
- Integrated diagnostic assistance
- LED rotating beacon
- LS pump
- Large color screen on turret
- Leveling unlocking
- Oscillating front axle
- Proportional controls
- Secondary Protection System (SPS)
- Stop & Go system
- Turret orientation information
- Yellow and black safety stickers on moving parts

Optional

- 110 or 230V plug with differential circuit breaker
- Audio warning on all motion
- Audio warning on translation
- Battery blanket
- Battery cut-off
- Biodegradable hydraulic oil - Grade 32
- Earthing and shortcircuiting pre-fitting (Bolted ball)
- Easy Link - With access control keypad
- Easy link with remote lock
- Engine Block Heater
- External pneumatic supply source
- Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)
- 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
- Personalized paintwork
- Rail protection
- Reflective stripes
- Remote control for transport
- Safety kit - Harness + helmet
- Safety valve
- Screen protection on the lower box control
- Starter battery charger and engine pre-heater with common outlet
- Water predisposition
- Working light



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