

Technical sheet :

220 TJ ST5



 **MANITOU**
HANDLING YOUR WORLD

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)	lp / 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)	l9	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 nom		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

4 simultaneous movements
 4 wheel drive
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 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
 Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
 Hour meter
 Hydraulic oil pre-heater
 Integrated diagnostic assistance
 Key lock on turret cover
 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 detection
 Yellow and black safety stickers on moving parts

Optional

Audio warning on all motion
 Audio warning on translation
 Battery cut-off
 Biodegradable hydraulic oil - Grade 32
 Biodegradable hydraulic oil - Grade 32
 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 access control keypad
 Easy Link - With remote lock
 Engine Block Heater
 Galvanized basket - Width: 2100 mm (6 ft. 11 in.) + Side swing gate
 Hydraulic oil pre-heater
 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
 Personalized paintwork
 Rail protection
 Reflective stripes
 Remote control for transport
 Safety kit - Helmet and harness
 Safety valve
 Screen protection on the lower box control
 Starter battery blanket
 Starter battery charger and engine pre-heater with common outlet
 Water pre-fitting



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