Technical sheet :

220 TJ ST5





220 TJ ST5	Created on Se	eptember 10,	, 2025 at 9:4	4 AM UTC
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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)	lp / ep	2.10 m x 0.76 m
Floor height (access)	h20	0.39 m
Overall length	1	9.81 m
Overall width	b1	2.48 m
Overall height	h17	2.66 m
Overall length (stowed)	19	7.29 m
Overall height (stowed)	h18 ***	2.72 m
Jib length	113	2 m
Counterweight offset (turret at 90Ű)	a7	1.35 m
External turning radius	Wa3	6.19 m
Ground clearance at centre of wheelbase	m2	0.44 m
Wheelbase	V	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 Cured-On
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
I.C. Engine power rating / Power		37 Hp / 27.50 kW
Miscellaneous		
Ground Pressure		18.20 dan/cm2
Hydraulic Pressure		340 bar
Hydraulic tank capacity		941
Fuel tank		76 I
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

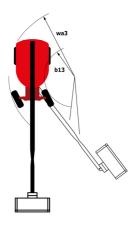
*Varies according to options and standards of the country to which the machine is delivered

220 TJ ST5 - Load chart

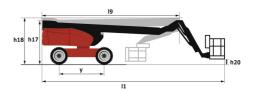
18 m 22 D3→ і́_↑ НЗ D1 mm 15940 D2 mm 17132 H2 mm 2554 D3 mm 6206 H3 mm 19772 D2→ Ī D1 H2 H 0 m 18 m

Load Chart for MEWP Metric

220 TJ ST5 - Dimensional drawing







Equipment

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 Yellow and black safety stickers on moving parts	Standard
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 mounted on sliding platform Engine with DPF (Diesel Particulate Filter) Front axle with limited slip Full 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 Large color screen on turret Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system	230V Predisposition
Audibe alam and illuminated indicator lamp (leveling, overload, lowering) Backup electrical pump Connected machine Continuous turet 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 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 LED rotating beacon LED rotating beacon LS pump Large color screen on turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS)	4 simultaneous movements
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 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	4 wheel drive
Connected machineContinuous turet rotationDead man pedalDifferential locking on rear axleEasy fast slinging systemElectronic platform compensationEmergency stop button in platform and on frameEngine compartment with key lockEngine mounted on sliding platformEngine with DPF (Diesel Particulate Filter)Front axle with limited slipFully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)Hour meterHydraulic oil heaterIntegrated diagnostic assistanceLED rotating beaconLarge color screen on turetLeveling unlockingOscillating front axleProportional controlsSecondary Protection System (SPS)Stop & Go systemTuret orientation information	Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Continuous turet 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 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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turet orientation information	Backup electrical pump
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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turet orientation information	Connected machine
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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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turet orientation information	Electronic platform compensation
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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turet orientation information	Emergency stop button in platform and on frame
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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turet orientation information	Engine compartment with key lock
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 turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Engine mounted on sliding platform
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Hour meter Hydraulic oil heater Integrated diagnostic assistance LED rotating beacon LS pump Large color screen on turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Fuel gauge with low level indicator
Hydraulic oil heater Integrated diagnostic assistance LED rotating beacon LS pump Large color screen on turet Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
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	Hour meter
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LS pump Large color screen on turret Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Integrated diagnostic assistance
Large color screen on turret Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	LED rotating beacon
Leveling unlocking Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	LS pump
Oscillating front axle Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Large color screen on turret
Proportional controls Secondary Protection System (SPS) Stop & Go system Turret orientation information	Leveling unlocking
Secondary Protection System (SPS) Stop & Go system Turret orientation information	Oscillating front axle
Stop & Go system Turret orientation information	Proportional controls
Turret orientation information	Secondary Protection System (SPS)
	Stop & Go system
Yellow and black safety stickers on moving parts	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 solid tyres
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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