

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/cm2 |
| 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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