Technical sheet :

220 TJ ST5

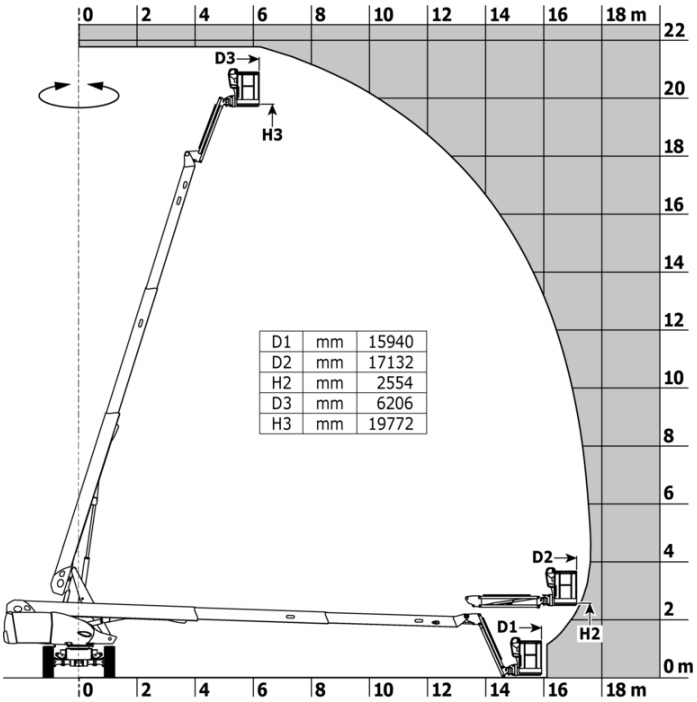
MANITOU
HANDLING YOUR WORLD

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 norm		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

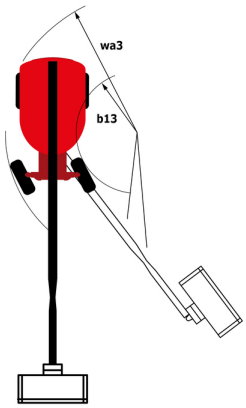
220 TJ ST5 - Load chart

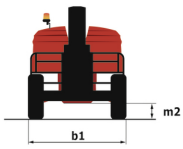
Load Chart for MEWP Metric

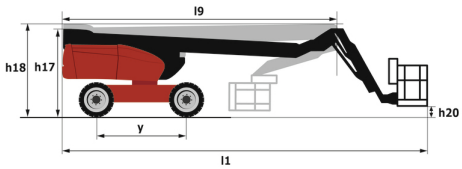


D1	mm	15940
D2	mm	17132
H2	mm	2554
D3	mm	6206
H3	mm	19772

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

Head Office
B.P. 249 - 430 rue de l'Aubinière
44150 Ancenis Cedex - France
Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com

This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.
MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes