

Technical sheet :

# 280 TJ ST5

---



 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	27.73 m
Platform height	h7	25.73 m
Maximum outreach		21.45 m
Pendular arm rotation (top / bottom)		+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q	240 kg / 350 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 2
Weight and dimensions		
Platform weight*		16900 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Floor height (access)	h20	0.48 m
Overall length	l1	11.36 m
Overall width	b1	2.48 m
Overall height	h17	2.73 m
Overall length (stowed)	l9	8.09 m
Overall height (stowed)	h18 ***	2.71 m
Jib length	l13	3.80 m
Counterweight offset (turret at 90Å°)	a7	1.43 m
External turning radius	Wa3	4.35 m
Ground clearance at centre of wheelbase	m2	0.41 m
Wheelbase	y	2.80 m
Performances		
Drive speed - stowed		4.50 km/h
Drive speed - raised		0.80 km/h
Gradeability		35 %
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 / 2
Braking wheels (front / rear)		2 / 2
Engine/Battery		
Engine brand / model		Yanmar - 4TNV88C
Engine norm		Stage V
I.C. Engine power rating / Power		46 Hp / 34.30 kW
Miscellaneous		
Ground Pressure		21.30 dan/cm2
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel tank		76 l
Sound pressure level (platform work station) (LpA)		79 dB
Vibration on hands/arms		< 0.50 m/s²
Daily consumption **		8 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

\*Varies according to options and standards of the country to which the machine is delivered  
\*\* According to "REDUCE cycle"

280 TJ ST5 - Load chart



280 TJ ST5 - Dimensional drawing



# Equipment

Standard
230V Predisposition
4 simultaneous movements
4 wheel drive
4 wheel steer with crab mode
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
Electronic platform compensation
Emergency stop button in platform and on frame
Engine compartment with key lock
Engine on swivel chair
Engine with DPF (Diesel Particulate Filter)
Front axle with limited slip
Fuel gauge with low level indicator
Heavy-duty painted basket 2.30 m
Hom in the platform
Hour meter
Integrated diagnostic assistance
LED rotating beacon
LS pump
Large color screen on turret
Leveling unlocking
Oscillating front axle
Painted basket for heavy loads 2,300 mm (7ft 7 in.)
Protective cover for control panel
Remote control for transport
Secondary Protection System (SPS)
Stop & Go system
Telescopic jib
Turret orientation information
X Y function
Optional
Additional storage boxes
Audio warning on all motion
Audio warning on movement
Battery blanket
Battery charger automatic start
Battery cut-off
Biodegradable hydraulic oil - Grade 32
Cold weather protection oil
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
Hydraulic oil heater
Key lock on fuel tank
LED amber strobe light on the basket
Non marking solid tyres
On-board generator (3,5 or 5 kW)
Packing for containerization
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
Panel cradle
Personalized paintwork
Pipe cradle
Rail protection
Safety kit - Hamess + helmet
Socket 230 V + differential circuit breaker
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](http://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