

Technical sheet :

# 280 TJ-X

---



 **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)		2 / 3
Weight and dimensions		
Platform weight*		16650 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
Overall length with platform extension	l15	11.35 m
Counterweight Oversize / Reach		1.45 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		34 %
Permissible leveling		4 °
Wheels		
Drive wheels (front / rear)		2 / 2
Braking wheels (front / rear)		2 / 2
Engine/Battery		
Engine brand / model		Kubota - V2403-M
Engine norm		Tier 4
Engine power (Hp / kW)		46 Hp / 34.10 kW
Miscellaneous		
Ground Pressure		22.25 daN/cm <sup>2</sup>
Hydraulic Pressure		250 bar
Fuel		72 l
Vibration on hands/arms		< 0.50 m/s <sup>2</sup>
Daily consumption **		10.81 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC)

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

## 280 TJ-X - Load chart

Load Chart for MEWP Metric



## 280 TJ-X - Dimensional drawing



## Equipment

### Standard

- 20" tyres
- 4 simultaneous movements
- 4 wheel drive
- 4 wheel steer with crab mode
- Additional foot-operated hom
- Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
- Backup electrical pump
- CAN bus technology
- Continuous turret rotation
- Differential locking on rear axle
- Driver presence pedal
- Electrical pre-fitting - 230V
- Electronic platform compensation
- Emergency stop button in platform and on frame
- Engine on swivel chair
- Front axle with limited slip
- Fuel gauge with low level indicator
- Integrated diagnostic assistance
- Oscillating front axle
- Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)

### Optional

- Additional storage boxes
- Anti-theft digicode
- Basket 1,800 mm
- Biodegradable oil
- Catalytic cleaner
- Charger plug - 110V - 16A - United Kingdom (G) type
- Cold weather protection oil
- Diesel tank locking cap
- Higher capacity battery, to start the machine easily in cold countries.
- Key lock on turret cover
- Non-marking tires
- On-board generator (3,5 or 5 kW)
- Refinery kit
- Safe Man System (SMS)
- Safety harness
- Screen protection on the lower box control
- Water pre-fitting



**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