

Technical sheet :

# 280 TJ-X

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 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	27.73 m
Platform height	h7	25.73 m
Max. 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/cm2
Hydraulic Pressure		250 bar
Fuel tank capacity		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 tyres
- 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



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