

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 90°)	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
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 nom		Stage V
Engine power (Hp / kW)		46 Hp / 34.30 kW
Miscellaneous		
Ground Pressure		21.30 daN/cm2
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel		76 l
Sound pressure level (platform work station) (LpA)		79 dB
Vibration on hands/arms		< 0.50 m/s <sup>2</sup>
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) - EMC according to EN 12895 / 2015 +A1 / 2019

\*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

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  
 Basket controls protection  
 Connected machine  
 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  
 Engine with DPF (Diesel Particulate Filter)  
 Front axle with limited slip  
 Fuel gauge with low level indicator  
 Hour meter  
 Integrated diagnostic assistance  
 Key lock on turret cover  
 LED rotating beacon  
 LS pump  
 Large color screen on turret  
 Leveling unlocking  
 Oscillating front axle  
 Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)  
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 Remote control for transport  
 Secondary Protection System (SPS)  
 Stop & Go system  
 Telescopic jib  
 Turret orientation detection  
 X Y function  
 Yellow and black safety stickers on moving parts

## Optional

Additional storage boxes  
 Audio warning on all motion  
 Audio warning on all motion  
 Battery charger automatic start  
 Battery cut-off  
 Biodegradable hydraulic oil - Grade 32  
 Cold weather protection oil  
 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  
 Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type  
 Engine Block Heater  
 Hydraulic oil pre-heater  
 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 containerisation  
 Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)  
 Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)  
 Panel support kit  
 Personalized paintwork  
 Rail protection  
 Reflective stripes  
 Safety kit - Helmet and harness  
 Starter battery blanket  
 Tube support kit  
 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)



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