Technical sheet :

## **280 TJ ST5**



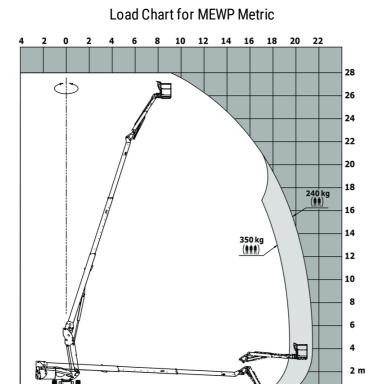


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Capacities	Metric
Working height	h21 27.73 m
Platform height	h7 25.73 m
Maximum outreach	21.45 m
Pendular arm rotation (top / bottom)	+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q 240 kg / 350 kg
Turret rotation	360 °
Platform rotation (right / left)	90 ° / 90 °
Number of people (indoor / outdoor)	3/2
Weight and dimensions	57 Z
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 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
.C. Engine power rating / Power	46 Hp / 34.30 kW
Viscellaneous	
Ground Pressure	21.30 dan/cm2
lydraulic Pressure	400 bar
lydraulic tank capacity	94
Fuel tank	761
Sound pressure level (platform work station) (LpA)	79 dB
/ibration on hands/arms	< 0.50 m/s <sup>2</sup>
Daily consumption **	81
Standards compliance	
	European directives: 2006/42/EC- Machine
This machine is in compliance with:	(revised EN280-1:2022) - 2004/108/EC (EMC)

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

(revised EN280-1:2022) - 2004/108/EC (EMC) -according to EN 12895 / 2015 +A1 / 2019

## 280 TJ ST5 - Load chart



10 12 14 16

20 22

## 280 TJ ST5 - Dimensional drawing

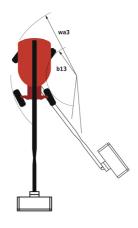
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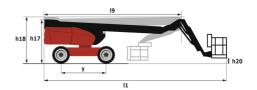
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2 0







## Equipment

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	Standard
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 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	230V Predisposition
A 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 DFF (Diesel Particulate Filter)           Front axle with limited slip           Fuel gauge with low level indicator           Heavy-duty painted basket 2.30 m           Horn 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	•
Addible alam 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 on swivel chair Engine with DFF (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 LES 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 Scondary Protection System (SPS) Stop & Go system Telescopic jib Turret orientation information X Y function	4 wheel drive
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 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	4 wheel steer with crab mode
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 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	Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
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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	Continuous turret rotation
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	Dead man pedal
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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	Electronic platform compensation
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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 turet 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 Turet orientation information X Y function	Engine compartment with key lock
Font 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 turet 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 Turet orientation information X Y function	Engine on swivel chair
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	Engine with DPF (Diesel Particulate Filter)
Heavy-duty painted basket 2.30 m How in the platform Hour meter Integrated diagnostic assistance LED rotating beacon LS pump Large color screen on turet 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	Front axle with limited slip
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	Fuel gauge with low level indicator
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	Heavy-duty painted basket 2.30 m
Integrated diagnostic assistance LED rotating beacon LS pump Large color screen on turet 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	Horn in the platform
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	Hour meter
LS pump Large color screen on turet 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	Integrated diagnostic assistance
Large color screen on turet 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	LED rotating beacon
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	LS pump
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	Large color screen on turret
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	Leveling unlocking
Protective cover for control panel Remote control for transport Secondary Protection System (SPS) Stop & Go system Telescopic jib Turret orientation information X Y function	Oscillating front axle
Remote control for transport Secondary Protection System (SPS) Stop & Go system Telescopic jib Turret orientation information X Y function	Painted basket for heavy loads 2,300 mm (7ft 7 in.)
Secondary Protection System (SPS) Stop & Go system Telescopic jib Turret orientation information X Y function	Protective cover for control panel
Stop & Go system Telescopic jib Turret orientation information X Y function	Remote control for transport
Telescopic jib Turret orientation information X Y function	Secondary Protection System (SPS)
Turret orientation information X Y function	Stop & Go system
X Y function	Telescopic jib
	Turret orientation information
Yellow and black safety stickers on moving parts	X Y function
	Yellow and black safety stickers on moving parts

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 basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
Panel cradle
Personalized paintwork
Pipe cradle
Rail protection
Reflective stripes
Safety kit - Hamess + helmet
Socket 230 V + differential circuit breaker
Water predisposition
Working light



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