Technical sheet:

280 TJ ST5





		280 13313 0	eated on April 25, 2024 at 11.22.13 AM UTC
Capacities		Metric	Imperial
Working height	h21	27.73 m	91 ft
Floor height (access)	h20	0.40 m	1 ft 4 in
Platform height	h7	25.73 m	84 ft 5 in
Max. outreach		21.45 m	70 ft 4 in
Pendular arm rotation (top / bottom)		+56.80 ° / -62 °	+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q	240 kg / 350 kg	529 lb / 772 lb
Turret rotation		360 °	360 °
Platform rotation (right / left)		90 ° / 90 °	90 ° / 90 °
Number of people (indoor / outdoor)		3 / 2	3 / 2
Weight and dimensions			
Platform weight*		16500 kg	36376 lb
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m	7 ft 7 in x 2 ft 11 in
Overall length	l1	11.36 m	37 ft 3 in
Overall width	b1	2.48 m	8 ft 2 in
Overall height	h17	2.73 m	8 ft 11 in
Overall length (stowed)	19	8.09 m	26 ft 7 in
Overall height (stowed) **	h18	2.71 m	8 ft 11 in
Jib length	l13	3.80 m	12 ft 6 in
Telescopic jib length retracted / extended		2800 mm / 4300 mm	110 in / 169 in
Counterweight offset (turret at 90°)	a7	1.43 m	4 ft 8 in
Counterweight Oversize / Reach		1.45 m	4 ft 9 in
External turning radius	Wa3	4.35 m	14 ft 3 in
Ground clearance at centre of wheelbase	m2	0.41 m	1 ft 4 in
Wheelbase	у	2.80 m	9 ft 2 in
Performances	,	<u> </u>	
Drive speed - stowed		4.50 km/h	3 mph
Drive speed - raised		0.80 km/h	0.50 mph
Gradeability		35 %	35 %
Permissible leveling		4 °	4 °
Wheels			-
Tires type		Solid Tires Cured-On	Solid Tires Cured-On
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2/2	2/2
Braking wheels (front / rear)		2/2	2/2
Engine/Battery		272	272
Engine brand / model		Yanmar - 4TNV88C	Yanmar - 4TNV88C
Engine norm		Stage V	Stage V
I.C. Engine power rating / Power		46 Hp / 34.30 kW	46 Hp / 34.30 kW
Miscellaneous		40 TIP / 34.30 KW	40 Hp / 34.30 KW
Ground Pressure		21.30 dan/cm2	309 PSI
Hydraulic Pressure		400 bar	5802 PSI
•		94 I	25 US gal
Hydraulic tank capacity		76 I	· ·
Fuel tank		76 I < 106 dB	20 US gal < 106 dB
Noise to environment (LwA)			
Vibration on hands/arms		< 0.50 m/s²	< 0.50 m/s²
Standards compliance This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)	European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

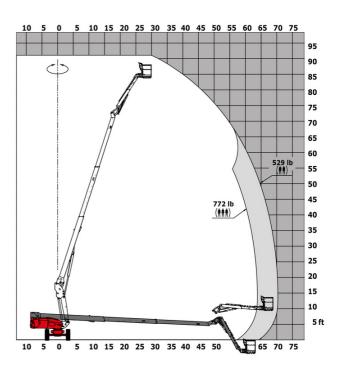
^{*}Varies according to options and standards of the country to which the machine is delivered ** According to "REDUCE cycle" $\,$

280 TJ ST5 - Load chart

Load Chart for MEWP Metric

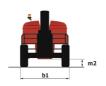
28 26 24 24 22 20 18 (MM) 16 18 20 22 10 10 8 8 6 4

Load Chart for MEWP (Imperial)

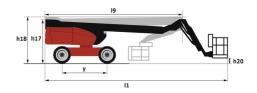


280 TJ ST5 - Dimensional drawing





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Equipment

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

CAN bus technology

Connected machine

Continuous turret rotation

Dead man pedal

Differential locking on rear axle

Emergency stop button in platform and on frame

Engine on swivel chair

Engine with DPF

Front axle with limited slip

Fuel gauge with low level indicator

Horn in the platform

Hour meter

LED rotating beacon

Large basket with three entries

Oscillating front axle

Remote control for transport

Stop & Go system

Telescopic jib

Turret orientation information

X Y function

Optional

Additional storage boxes

Battery blanket

Battery cut-off

Biodegradable hydraulic oil - Grade 32

Cold weather protection oil

Engine Block Heater

Highly capacity battery Hydraulic oil heater

Large basket 2.30m with lateral door

Lockable fuel cap

Narrow basket 1.80m

Non marking solid tyres

On-board generator (3,5 or 5 kW)

Panel cradle

Personalized paintwork

Pipe cradle

Safety kit - Harness + helmet

Safety valve

Screen protection on the lower box control

Secondary Protection System (SPS)

Socket 230 V + differential circuit breaker

Spark arrester

Working light





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