

Technical sheet :

# TJ 85

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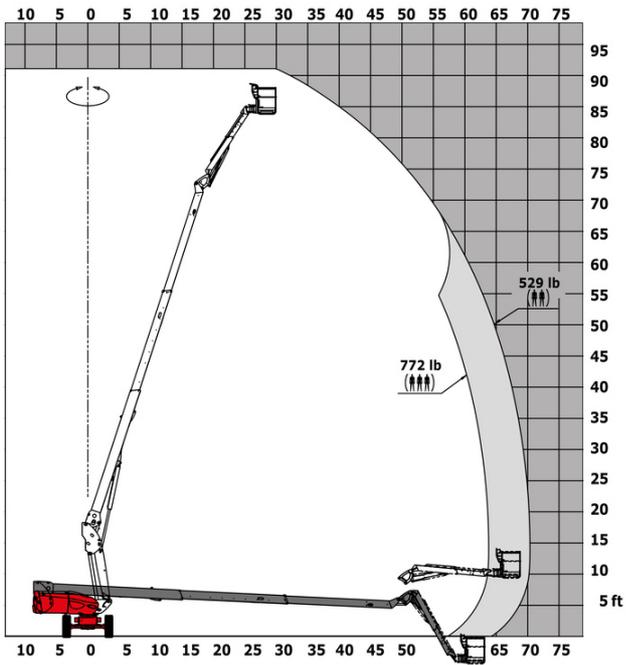
 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Imperial
Working height	h21	91 ft
Platform height	h7	84 ft 5 in
Maximum outreach		70 ft 4 in
Pendular arm rotation (top / bottom)		+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q	529 lb / 772 lb
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 3
Weight and dimensions		
Platform weight*		36350 lb
Platform dimensions (length x width)	lp / ep	7 ft 7 in x 2 ft 11 in
Floor height (access)	h20	1 ft 7 in
Overall length	l1	37 ft 3 in
Overall width	b1	8 ft 2 in
Overall height	h17	8 ft 11 in
Overall length (stowed)	l9	26 ft 7 in
Overall height (stowed)	h18 ***	8 ft 11 in
Jib length	l13	12 ft 6 in
Counterweight offset (turret at 90°)	a7	4 ft 8 in
Counterweight Oversize / Reach		4 ft 9 in
External turning radius	Wa3	14 ft 3 in
Ground clearance at centre of wheelbase	m2	1 ft 4 in
Wheelbase	y	9 ft 2 in
Performances		
Drive speed - stowed		3 mph
Drive speed - raised		0.50 mph
Gradeability		37.50 %
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		Kubota - D1803-CR-TIE4B
Engine nom		Tier 4
Engine power (Hp / kW)		49.60 Hp / 37 kW
Miscellaneous		
Ground Pressure		309 PSI
Hydraulic Pressure		5802 PSI
Hydraulic tank capacity		25 US gal
Fuel		19 US gal
Sound level at platform		0.50 dB
Noise to environment (LwA)		< 102 dB
Vibration on hands/arms		< 2 ft/s²
Standards compliance		
This machine is in compliance with:		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC

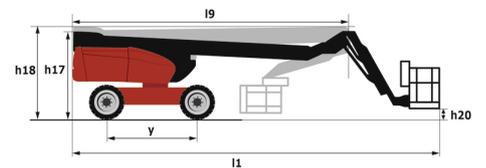
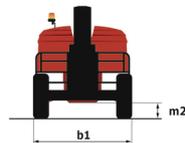
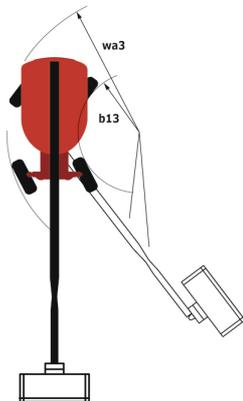
\*Varies according to options and standards of the country to which the machine is delivered

## TJ 85 - Load chart

Load Chart for MEWP (Imperial)



## TJ 85 - Dimensional drawing



# Equipment

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## 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  
Battery cut-off  
CAN bus technology  
Continuous turret rotation  
Cumulative lifting and driving functions  
Differential locking on rear axle  
Driver presence pedal  
Electronic platform compensation  
Emergency stop button in platform and on frame  
Engine on swivel chair  
Engine pre-heater  
Front axle with limited slip  
Fuel gauge with low level indicator  
Hour meter  
Oscillating front axle  
Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)  
Remote control for transport  
Telescopic jib  
Turret orientation detection

## Optional

Antitheft digicode  
Biodegradable oil  
Catalytic cleaner  
Cold environment package  
Diesel tank locking cap  
Diesel tank locking cap  
High-float tires 1046 x 444 / 41x18LL22.4  
Hydraulic generator  
Initial verification report before putting into service  
LED work light - On basket  
Non-marking tires  
Non-marking tires  
On-board generator (3,5 or 5 kW)  
Personalized paintwork  
Refinery kit  
Safety harness  
Screen protection on the lower box control  
Secondary Protection System (SPS)  
Welding pack

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