

Technical sheet :

# TJ 85

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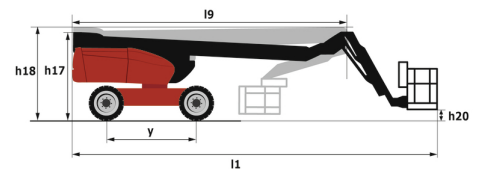
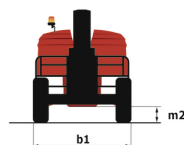
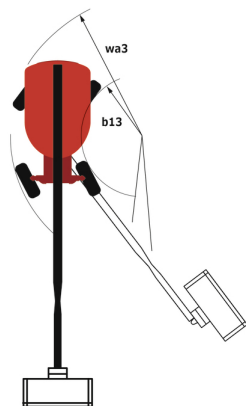


 **MANITOU**  
HANDLING YOUR WORLD

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*		16488 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
Counterweight Oversize / Reach		1.45 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		37.50 %
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		Kubota - D1803-CR-TIE4B
I.C. Engine power rating / Power		49.60 Hp / 37 kW
Miscellaneous		
Ground Pressure		21.30 dan/cm2
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel tank		72 l
Sound level at platform		0.50 dB
Noise to environment (LWA)		< 102 dB
Vibration on hands/arms		< 0.50 m/s <sup>2</sup>
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 - Dimensional drawing



# Equipment

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## 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  
Battery cut-off  
CAN bus technology  
Continuous turret rotation  
Dead man pedal  
Differential locking on rear axle  
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  
Hom in the platform  
Hour meter  
Lift and drive  
Oscillating front axle  
Painted basket for heavy loads 2,300 mm (7ft 7 in.)  
Remote control for transport  
Telescopic jib  
Water heater

## Optional

Biodegradable oil  
Catalytic cleaner  
Coded anti-start  
Cold weather kit  
Electric generator  
High-float tires 1046 x 444 / 41x18LL2.5  
Initial verification report before putting into service  
Key lock on fuel tank  
Lockable fuel cap  
Non-marking tyres  
Non-marking tyres  
On-board generator (3,5 or 5 kW)  
Personalized paintwork  
Refinery kit  
SMS : Safe Man System  
Safety harness  
Screen protection on the lower box control  
Welder ready package  
Working light



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