

Technical sheet :

TJ 85

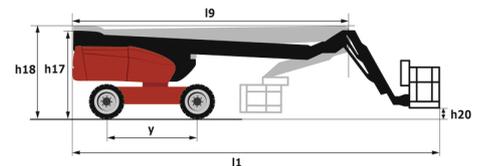
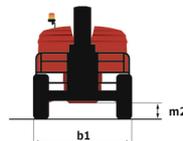
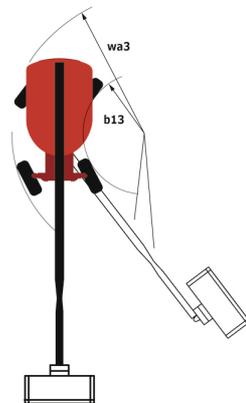


 **MANITOU**
HANDLING YOUR WORLD

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)		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
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		21.30 daN/cm2
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel		72 l
Sound level at platform		0.50 dB
Noise to environment (LwA)		< 102 dB
Vibration on hands/arms		< 0.50 m/s ²
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

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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