

Technical sheet :

TJ 85

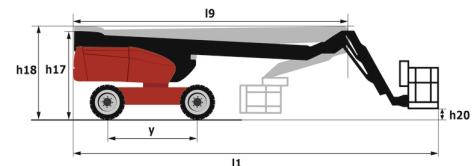
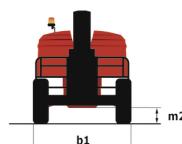
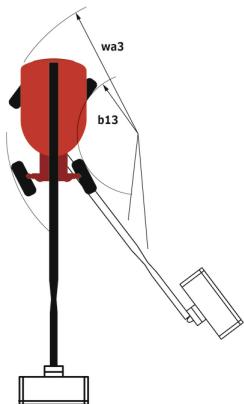


 **MANITOU**
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Capacities		Metric
Working height	h21	27.73 m
Platform height	h7	25.73 m
Maximum outreach		21.45 m
Pendular arm rotation (top / bottom)		+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q	240 kg / 350 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 3
Weight and dimensions		
Platform weight*		16488 kg
Platform dimensions (length x width)	l _p / 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 norm		Tier 4
Engine power (Hp / kW)		49.60 Hp / 37 kW
Miscellaneous		
Ground Pressure		21.30 dan/cm ²
Hydraulic Pressure		400 bar
Hydraulic tank capacity		94 l
Fuel		72 l
Sound level at platform		0.50 dB
Noise to environment (L _{WA})		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
- 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
- Horn 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
- Turret orientation information
- Water heater

Optional

- Biodegradable oil
- Catalytic cleaner
- Coded anti-start
- Cold weather kit
- Electric generator
- High-float tires 1046 x 444 / 41x18LL22.5
- Initial verification report before putting into service
- Key lock on fuel tank
- Lockable fuel cap
- 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)
- Welder ready package
- Working light



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