Technical sheet :

TJ 85



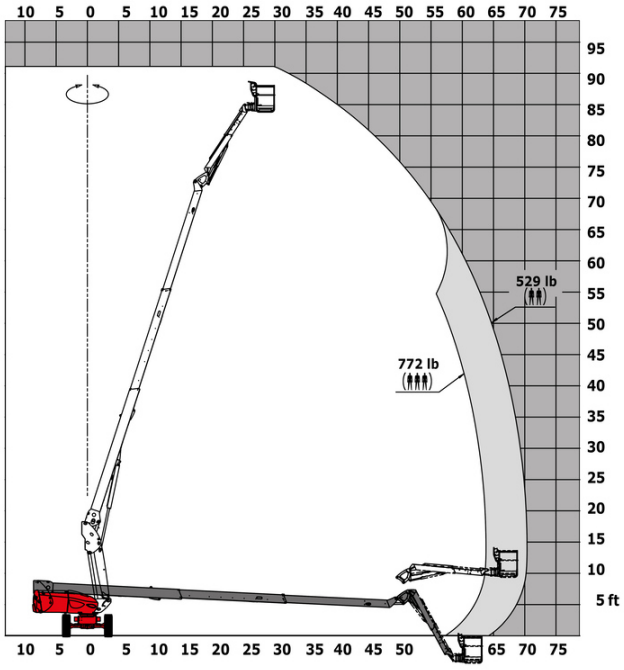
MANITOU
HANDLING YOUR WORLD

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 90Â°)	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 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
Engine norm		Tier 4
I.C. Engine power rating / Power		49.60 Hp / 37 kW
Miscellaneous		
Ground Pressure		309 PSI
Hydraulic Pressure		5802 PSI
Hydraulic tank capacity		25 US gal
Fuel tank		19 US gal
Sound level at platform		0.50 dB
Noise to environment (LwA)		< 102 dB
Vibration on hands/arms		< 0.50 m/s²
Standards compliance		
This machine is in compliance with:		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC

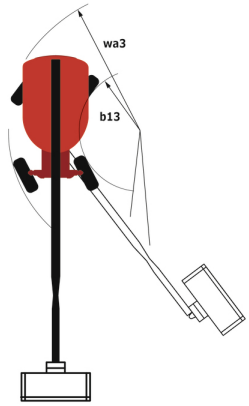
*Varies according to options and standards of the country to which the machine is delivered

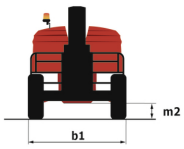
TJ 85 - Load chart

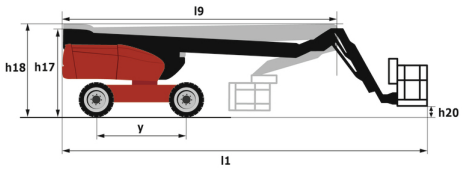
Load Chart for MEWP (Imperial)



TJ 85 - Dimensional drawing







Equipment

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
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 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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