Technical sheet:

# TJ 85



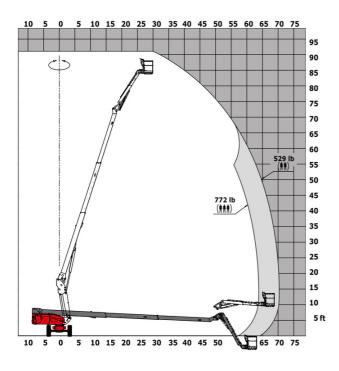


Capacities		Metric	Imperial
Working height	h21	27.73 m	91 ft
Floor height (access)	h20	0.48 m	1 ft 7 in
Platform height	h7	25.73 m	84 ft 5 in
Max. outreach		21.45 m	70 ft 4 in
Pendular arm rotation (top / bottom)		+56.80 ° / -62 °	+56.80 ° / -62 °
Platform capacity / capacity (maximum)	Q	240 kg / 350 kg	529 lb / 772 lb
Turret rotation		360 °	360 °
Platform rotation (right / left)		90 ° / 90 °	90 ° / 90 °
Number of people (indoor / outdoor)		2/3	2/3
Weight and dimensions		270	270
Platform weight*		16488 kg	36350 lb
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m	7 ft 7 in x 2 ft 11 in
Overall length	.p, sp	11.36 m	37 ft 3 in
Overall width	b1	2.48 m	8 ft 2 in
Overall height	h17	2.73 m	8 ft 11 in
Overall length (stowed)	19	8.09 m	26 ft 7 in
Overall height (stowed) **	h18	2.71 m	8 ft 11 in
Jib length	113	3.80 m	12 ft 6 in
Counterweight offset (turret at 90°)	a7	1.43 m	4 ft 8 in
Counterweight Oversize / Reach	u,	1.45 m	4 ft 9 in
External turning radius	Wa3	4.35 m	14 ft 3 in
Ground clearance at centre of wheelbase	m2	0.41 m	1 ft 4 in
Wheelbase	V	2.80 m	9 ft 2 in
Performances	,	2.00 111	3 1( Z III
Drive speed - stowed		4.50 km/h	3 mph
Drive speed - raised		0.80 km/h	0.50 mph
Gradeability		37.50 %	37.50 %
Wheels		57.00° 10	37.00 %
Tires type		Solid Tires Cured-On	Solid Tires Cured-On
Standard tires		40 x 14 in / 1025 x 365 mm	40 x 14 in / 1025 x 365 mm
Drive wheels (front / rear)		2/2	2/2
Steering wheels (front / rear)		2/2	2/2
Braking wheels (front / rear)		2/2	2/2
Engine/Battery			
Engine brand / model		Kubota - D1803-CR-TIE4B	Kubota - D1803-CR-TIE4B
I.C. Engine power rating / Power		49.60 Hp / 37 kW	49.60 Hp / 37 kW
Miscellaneous			
Ground Pressure		21.30 dan/cm2	309 PSI
Hydraulic Pressure		400 bar	5802 PSI
Hydraulic tank capacity		94 I	25 US gal
Fuel tank		72 I	19 US gal
Sound level at platform		0.50 dB	0.50 dB
Noise to environment (LwA)		< 102 dB	< 102 dB
Vibration on hands/arms		< 0.50 m/s²	< 0.50 m/s²
Standards compliance			
		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6	ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6
This machine is in compliance with:		Standard Canadian EMC	Standard Canadian EMC

 $<sup>{}^{\</sup>star}\!\text{Varies}$  according to options and standards of the country to which the machine is delivered

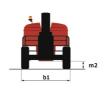
### TJ 85 - Load chart

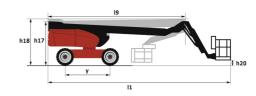
### Load Chart for MEWP (Imperial)



# TJ 85 - Dimensional drawing







# **Equipment**

### 4 simultaneous movements 4 wheel drive 4 wheel steer with crab mode Audible alarm and illuminated indicator lamp (leveling, overload, lowering) Backup electrical pump Basket 2,300 mm 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 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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