

Technical sheet :

MLT 737-130 PS+



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	3700 kg	8157 lb
Max. lifting height	h3	6.90 m	22 ft 8 in
Maximum outreach		3.90 m	12 ft 10 in
Reach at max. height		1 m	3 ft 3 in
Breakout force with bucket		6236 daN	6236 daN
Weight and dimensions			
Unladen weight (with forks)		7650 kg	16865 lb
Ground clearance	m4	0.41 m	1 ft 4 in
Wheelbase	y	2.81 m	9 ft 3 in
Overall length to carriage (with hitch)	l11	4.97 m	16 ft 4 in
Overall length to carriage (without hitch)	l3	4.80 m	15 ft 9 in
Front overhang		1.21 m	4 ft
Overall width	b1	2.39 m	7 ft 10 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.38 m	7 ft 10 in
Tilt-down angle	a5	134 °	134 °
Tilt-up angle	a4	12 °	12 °
External turning radius (over tyres)	Wa1	3.93 m	12 ft 11 in
Standard tires		Alliance - A580 - 460/70 R24 159A8	Alliance - A580 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Performances			
Lifting		6.80 s	6.80 s
Lowering		7.10 s	7.10 s
Extension		5.80 s	5.80 s
Retraction		5.20 s	5.20 s
Crowd		3.20 s	3.20 s
Dump		2.80 s	2.80 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V	Stage V
Engine model		TCD 3.6 L4	TCD 3.6 L4
Number of cylinders - Capacity of cylinders		4 - 3621 cm³	4 - 221 in³
I.C. Engine power rating / Power		129 Hp / 95 kW	129 Hp / 95 kW
Max. torque / Engine rotation		500 Nm @1600 rpm	369 ft/lbs @1600 rpm
Drawbar pull (Laden)		7800 daN	7800 daN
Reversible fan		Standard	Standard
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)	4 radiators (water + intercooler + hydraulic oil + transmission oil)
HVO validated (according to EN 15940 standard)		Yes	Yes
Transmission			
Transmission type		Torque converter	Torque converter
Gearbox		Powershift	Powershift
Number of gears (forward / reverse)		6 / 3	6 / 3
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 mph
Differential lock		Limited slip differential on front axle	Limited slip differential on front axle
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles	Oil-immersed multi-discs braking on front & rear axles
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow - Pressure		150 l/min - 270 bar	40 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities			
Hydraulic tank capacity		135 l	36 US gal
Fuel tank		120 l	32 US gal
Diesel Exhaust fluid (AdBlue® type)		10 l	3 US gal
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		72 dB	72 dB
Noise to environment (LwA)		105 dB	105 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation		Tractor homologation	Tractor homologation
Cab certification		Cabin ROPS - FOPS level 2	Cabin ROPS - FOPS level 2
Controls		JSM	JSM

Optional tires tab

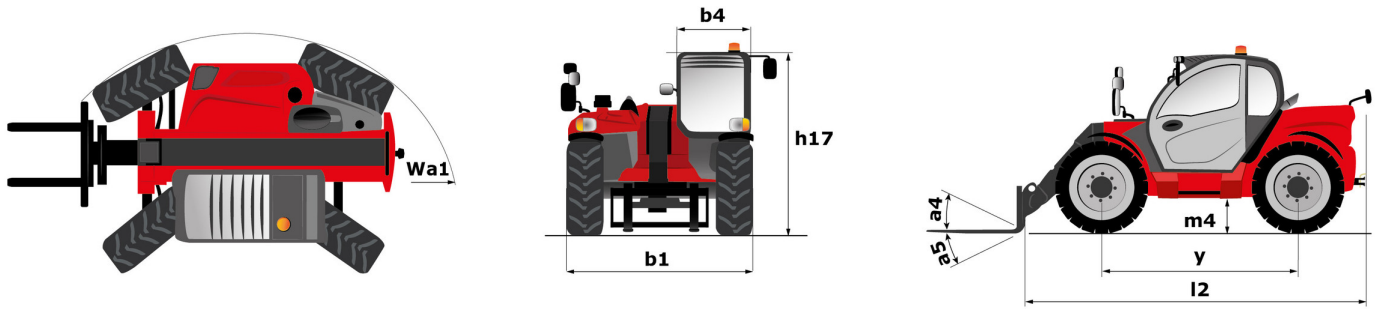
	Overall height	Overall width
TRELLEBORG - TH400 - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
TRELLEBORG - TH400 - 500/70 R24 164A8	7 ft 10 in (2.39 m)	7 ft 11 in (2.42 m)
MICHELIN - XMCL - 500/70 R24 164A8	7 ft 10 in (2.39 m)	8 ft (2.43 m)
MICHELIN - BIBLOAD - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
MICHELIN - BIBLOAD - 500/70 R24 164A8	7 ft 10 in (2.39 m)	8 ft (2.43 m)
MICHELIN - XHA - 15.5 R25 158A2	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
NOKIAN - TRI STEEL - 460/65 R24 156A8	7 ft 9 in (2.36 m)	7 ft 10 in (2.40 m)
MICHELIN - XMCL - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
VREDESTEIN - ENDURION - 460/70 R24 159A8	7 ft 10 in (2.38 m)	7 ft 11 in (2.41 m)
VREDESTEIN - ENDURION - 500/70 R24 164A8	7 ft 11 in (2.41 m)	8 ft (2.44 m)
TRELLEBORG - TH500 - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
ALLIANCE - A585 - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)

Options / Finishing

S : Standard / O : Optional / - : Not available

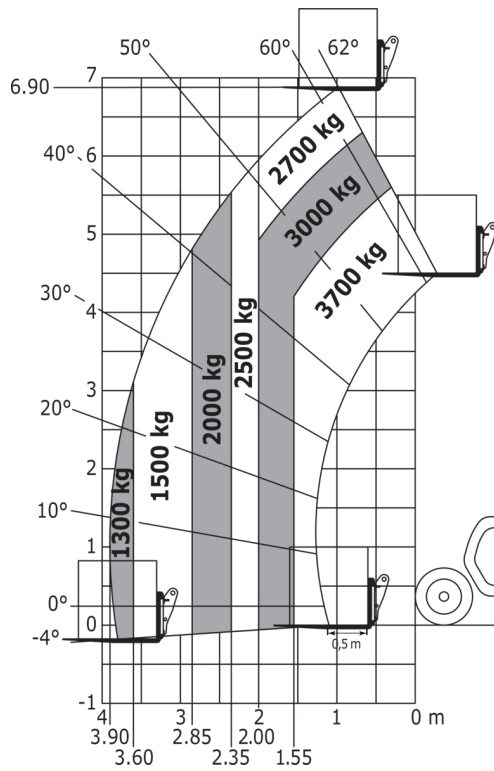
	Classic	Premium	Elite
Lifting function			
Attachment hydraulic locking	O	O	O
Intelligent Hydraulics	O	O	O
Regenerative Hydraulics	O	O	O
Operator station			
Air suspension fabric seat - GRAMMER	O	S	-
Automatic air conditioning	O	O	S
Automatic wheel alignment	O	O	S
Bluetooth USB radio - With extra microphone - 100W	O	O	S
Bluetooth USB radio - With integrated microphone - 100W	O	S	-
Boom suspension - "Active CRC"	O	O	S
Exterior right electric rear-view mirror with de-icing	O	O	S
Extra front wiper	O	S	S
Hamony screen - 5 in.	S	S	-
HighView camera on boom head (telescopic part)	O	O	O
Low frequency air suspension fabric seat - GRAMMER	O	O	S
Low frequency air suspension fabric seat with heating - GRAMMER	O	O	O
Manual air conditioning	O	S	-
Mechanical cloth-covered seat (GRAMMER)	S	-	-
SafeView camera pack - Right hand side and rear (x2)	O	O	O
Storage box - On the shelf	O	O	O
Tuner car radio - 50W	S	-	-
Vision screen - 7 in.	O	O	S
Motorization/Power			
Continuous flow hydraulics	O	O	S
Hand throttle	O	O	S
Secondary functions			
Automatic Greasing System (AGS) - chassis	O	O	O
Lighting			
LED+ side work lights (x4)	O	O	O
LED front road lights (x2)	O	O	O
LED front work lights on cab (x2)	O	S	S
LED rear work lights on cab (x2)	O	S	S
LED work lights - On the top of the boom (fixed part) (x2)	O	O	O
Work lights on cab (x4)	S	-	-

MLT 737-130 PS+ - Dimensional drawing

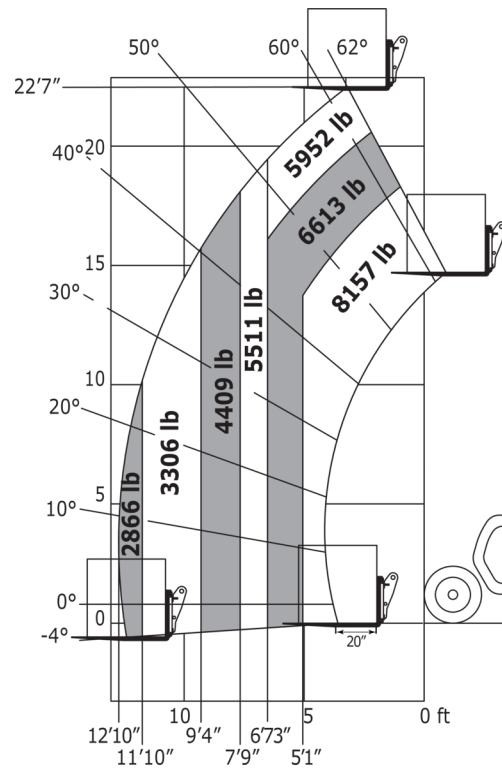


MLT 737-130 PS+ - Load chart

Machine on tires with forks Metric



Machine on tires with forks Imperial





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