

Technical sheet :

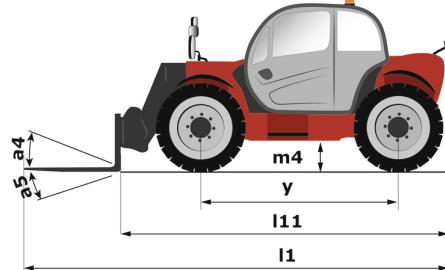
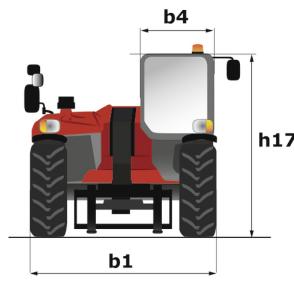
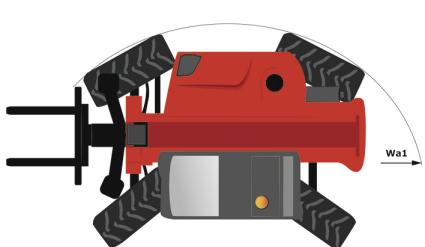
# MTA 642



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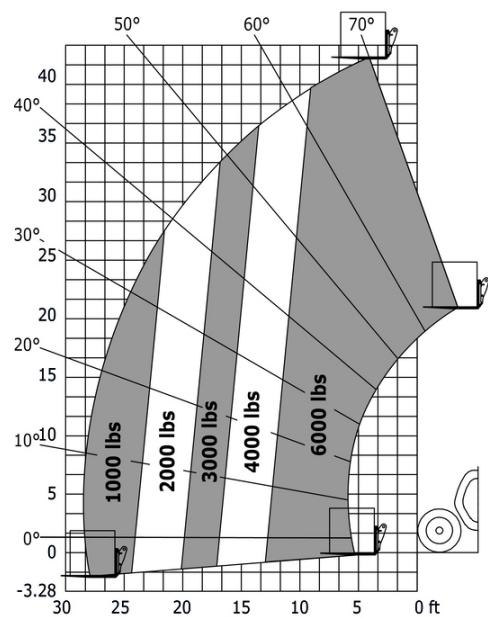
Capacities		Imperial
Max. capacity		6000 lb
Max. lifting height		42 ft 6 in
Maximum outreach		28 ft 6 in
Weight and dimensions		
Length to face of forks	l2	20 ft 8 in
Overall length (with forks)	l1	24 ft 8 in
Overall width	b1	8 ft 2 in
Overall height	h17	8 ft
Wheelbase	y	11 ft 6 in
Ground clearance	m4	1 ft 6 in
Overall cab width	b4	3 ft 1 in
Tilt-up angle	a4	34 °
Tilt-down angle	a5	96 °
External turning radius	Wa3	13 ft 1 in
Unladen weight (with forks)		22851 lb
Overall weight		22851 lb
Tires type		Pneumatic
Forks length / width / section	l / e / s	48 in x 4 in x 2 in
Frame leveling corrector	a9	10 °
Performances		
Lifting		11 s
Lowering		6 s
Extension		17 s
Retraction		11 s
Crown		4 s
Dump		6 s
Engine		
Engine brand		Deutz
Engine norm		Tier 4 final
Engine model		TCD 3.6 L4
Number of cylinders / Capacity of cylinders		4 - 220 in³
Engine power (Hp/kW)		74 Hp / 55 kW
Max. torque / Engine rotation		288 ft/lbs @ 2300 rpm
Drawbar pull		10433 kgF
Transmission		
Transmission type		Powershift
Number of gears (forward / reverse)		5 / 3
Max. travel speed		20 mph
Parking brake		Hydraulic spring release SAHR
Service brake		Wet disc brakes
Hydraulics		
Hydraulic pump type		Axial piston
Hydraulic flow / Pressure		40 US gpm-4000 PSI
Tank capacities		
Engine oil		2 US gal
Hydraulic oil		36 US gal
Fuel		38 US gal
Noise and vibration		
Noise at driving position (LpA)		80 dB
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2

## MTA 642 - Dimensional drawing



## MTA 642 - Load chart

Machine on tires with forks Imperial





# **MANITOU** HANDLING YOUR WORLD

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