

Technical sheet :

MRT 3060

VISION +



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		6000 kg	13228 lb
Max. lifting height		29.90 m	98 ft 1 in
Max. outreach		25.90 m	85 ft
Weight and dimensions			
Overall length (with forks)	l1	9.14 m	30 ft
Length to face of forks	l2	7.94 m	26 ft 1 in
Overall width	b1	2.50 m	8 ft 2 in
Overall height	h17	3.10 m	10 ft 2 in
Overall cab width	b4	0.96 m	3 ft 2 in
Ground clearance	m4	0.38 m	1 ft 3 in
Wheelbase	y	3.25 m	10 ft 8 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	110 °	110 °
Turret rotation (Max.)		360 °	360 °
Overall weight		21800 kg	48061 lb
Forks length / width / section	l / e / s	1200 mm x 100 mm x 60 mm	47 in x 4 in x 2 in
Wheels			
Standard tires		445/65 R22,5	445/65 R22,5
Drive wheels (front / rear)		2 / 2	2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode	2 wheel steer, 4 wheel steer, Crab mode
Stabilisers			
Stabs Type		Telescopic Duplex	Telescopic Duplex
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Yanmar	Yanmar
Engine norm		Stage V / Tier 4	Stage V / Tier 4
Engine model		4TN107FTT-6SMU1	4TN107FTT-6SMU1
I.C. Engine power rating / Power		173 Hp / 127 kW	173 Hp / 127 kW
Max. torque / Engine rotation (min)		805 Nm @ 1500 rpm	594 ft/lbs @ 1500 rpm
Number of cylinders - Capacity of cylinders		4 - 4567 cm³	4 - 279 in³
Electric circuit			
Number of batteries / Battery voltage		2 x 12 V	2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Battery starting current		(EN)850 A	(EN)850 A
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Gearbox / Number of gears (forward) / Number of gears (reverse)		Speedshift / 2 / 2	Speedshift / 2 / 2
Max. travel speed		40 km/h	25 mph
Drawbar pull		9200 daN	9200 daN
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
Performances			
Gradeability (laden / unladen)		32.40 % / 41.40 %	32.40 % / 41.40 %
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow		185 l/min	49 US gpm
Hydraulic Pressure		350 bar	5076 PSI
Tank capacities			
Engine oil		13 l	3 US gal
Hydraulic oil		300 l	79 US gal
Fuel tank		320 l	85 US gal
Diesel Exhaust fluid (AdBlue® type)		24 l	6 US gal
Noise and vibration			
Noise at driving position (LpA)		67 dB	67 dB
Environmental noise (LwA)		108 dB	108 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Attachment recognition system (E-Reco)		Standard	Standard

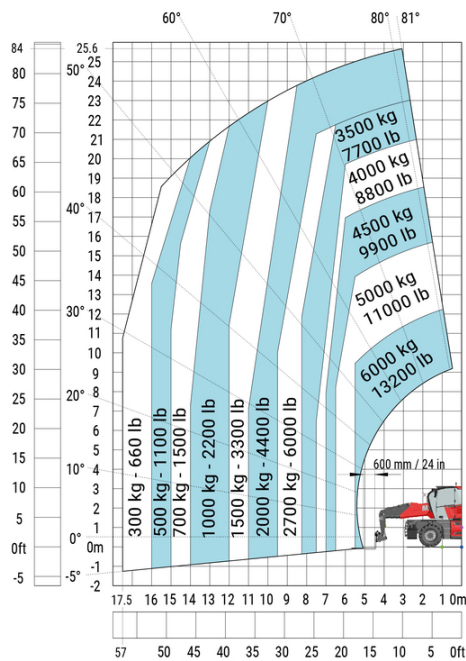
MRT 3060 - Dimensional drawing



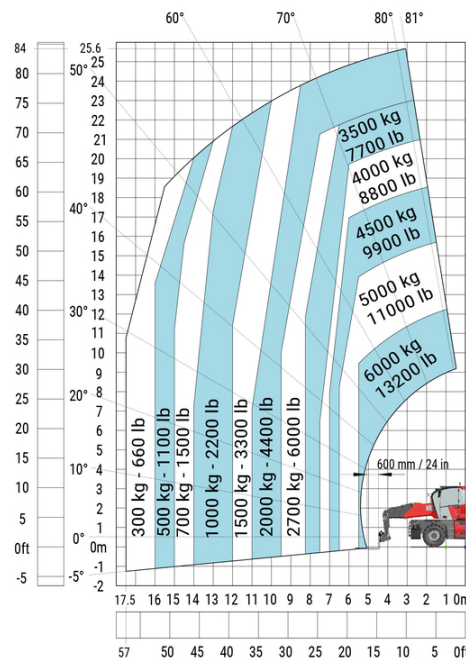
Other data		Metric	Imperial
Length of frame	l14	5.92 m	19 ft 5 in
Wheelbase	y	3.25 m	10 ft 8 in
Ground clearance	m4	0.38 m	1 ft 3 in
Counterweight offset (turret at 90°)	a7	3.45 m	11 ft 4 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	110 °	110 °
Overall length at stabilisers	l12	5.62 m	18 ft 5 in
External turning radius (over tyres)	Wa1	4.63 m	15 ft 2 in
Overall width with stabilisers extended	b7	6.04 m	19 ft 10 in
Overall height	h17	3.10 m	10 ft 2 in
Frame leveling corrector	a9	+/- 7 °	+/- 7 °
Ground clearance under front tires on stabilizers	m5	0.45 m	1 ft 6 in

MRT 3060 - Load chart

Machine on tyres with forks Metric

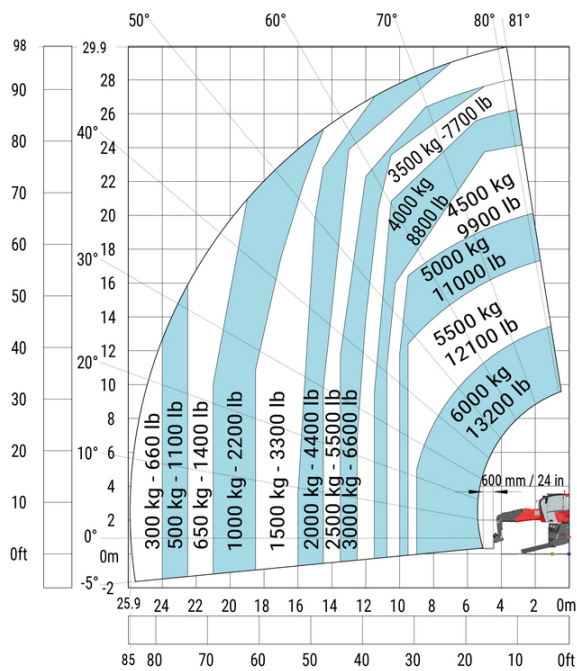
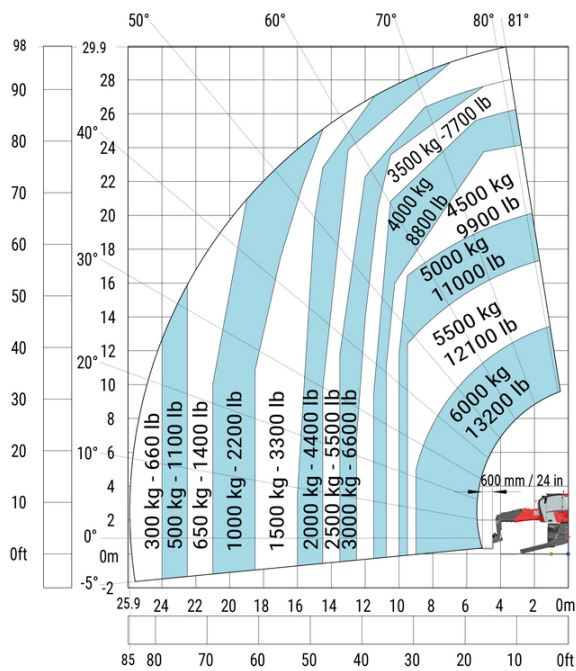


Machine on tyres with forks Imperial



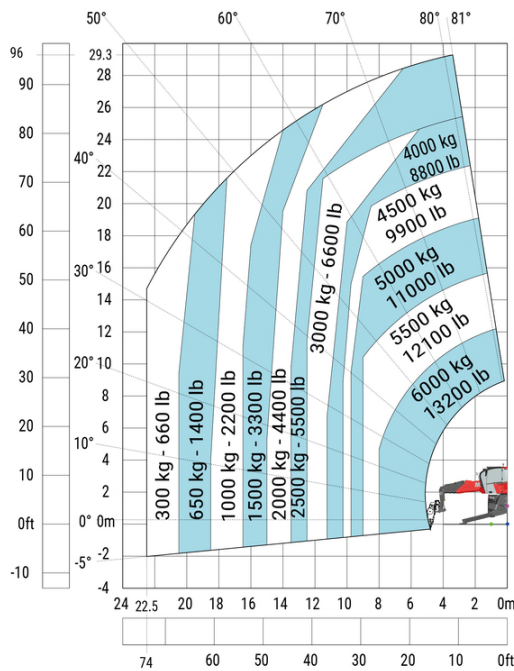
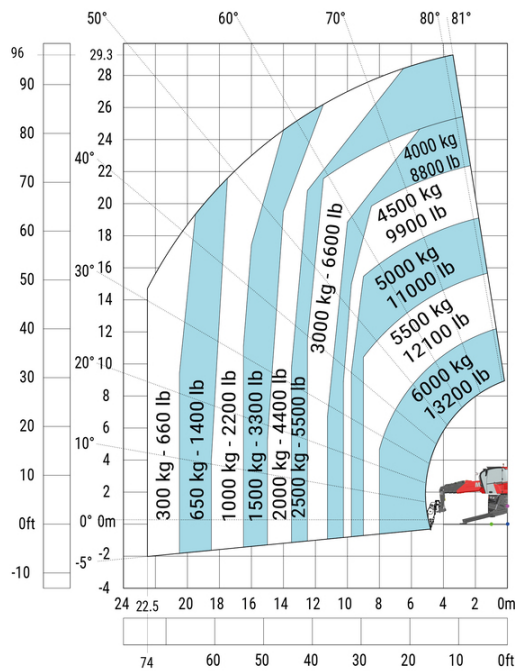
Machine on lowered stabilisers with forks (CAF) Metric

Machine on lowered stabilisers with forks (CAF) Imperial



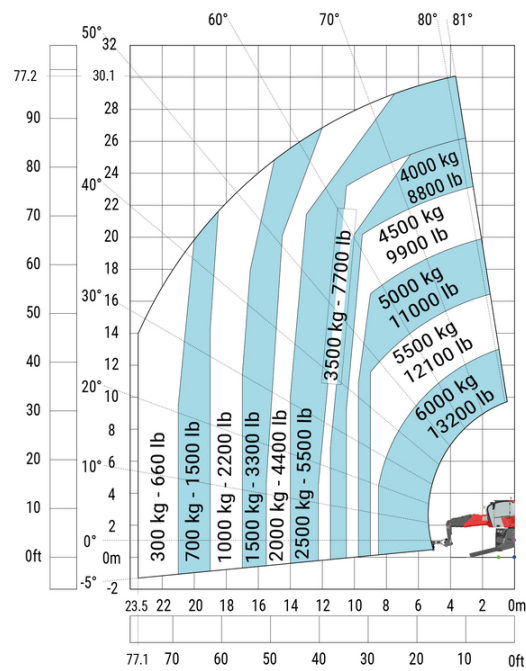
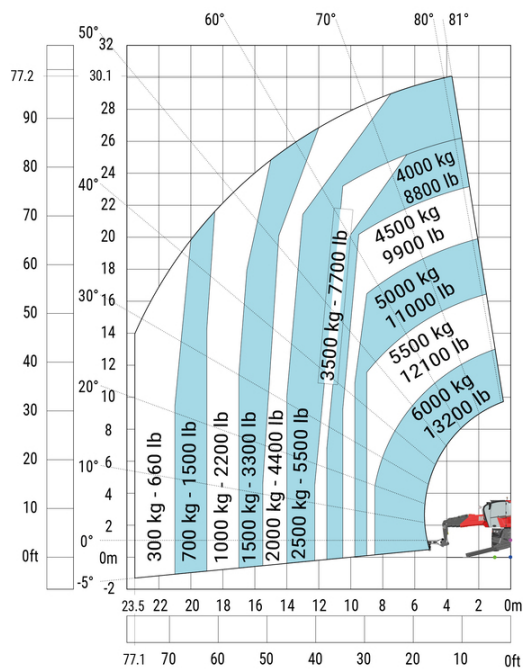
Machine on lowered stabilisers with winch 6000 kg (Metric)

Machine on lowered stabilisers with winch 6000 kg (Imperial)



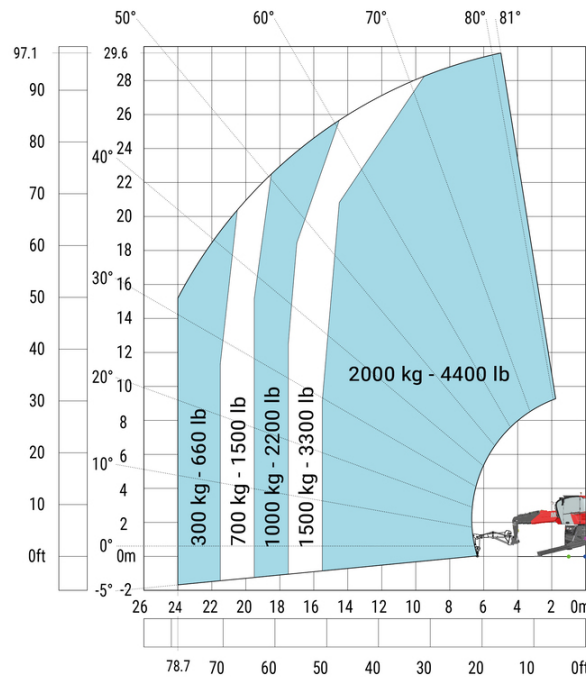
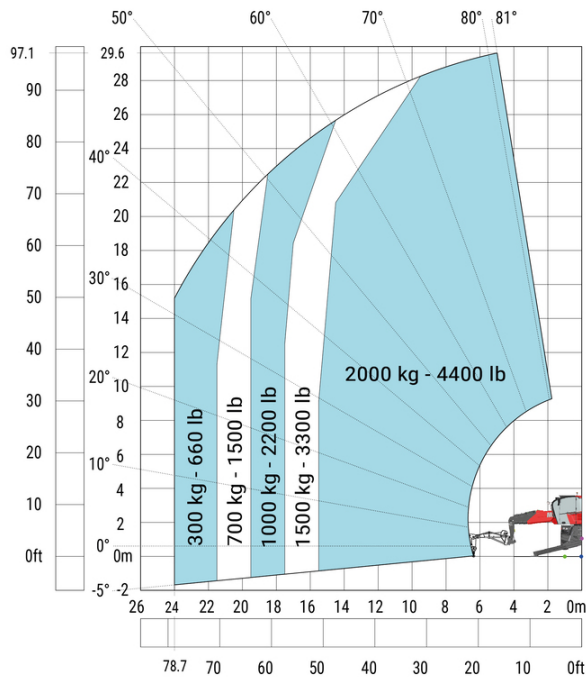
Machine on lowered stabilisers with 6000 kg jib (Metric)

Machine on lowered stabilisers with 6000 kg jib (Imperial)



Machine on lowered stabilisers with 2000 kg jib with winch (Metric)

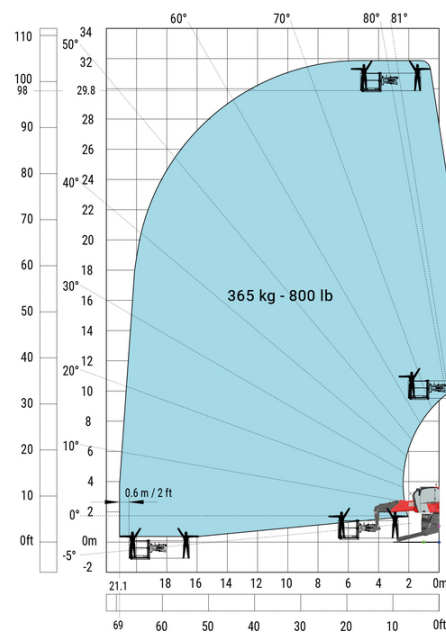
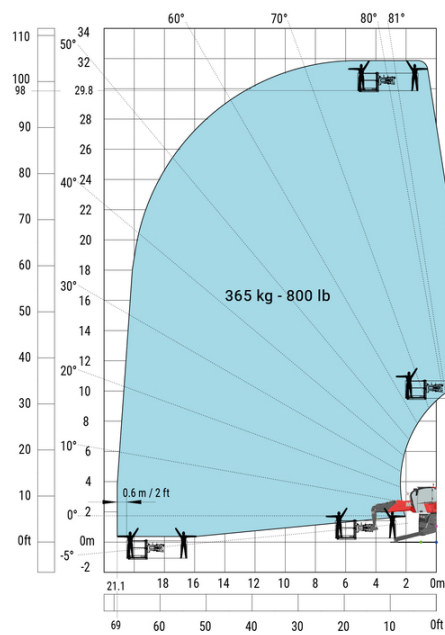
Machine on lowered stabilisers with 2000 kg jib with winch (Imperial)



Machine on lowered stabilisers with 365 kg platform

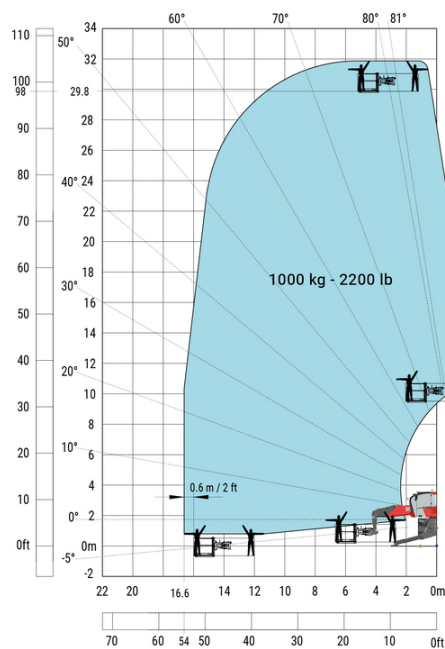
Metric Machine on lowered stabilisers with 365 kg platform

Imperial



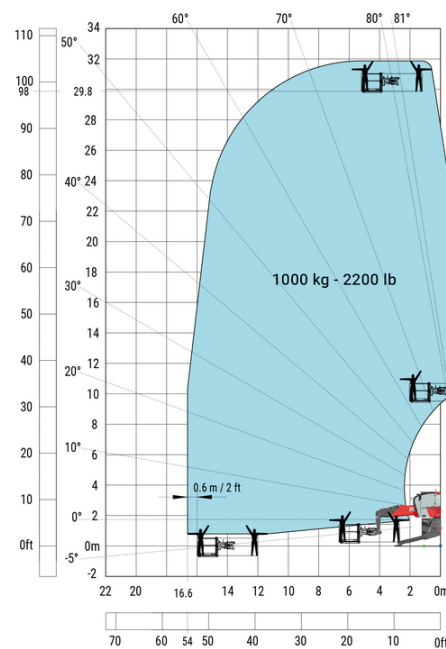
Machine on lowered stabilisers with 1000 kg platform

Metric

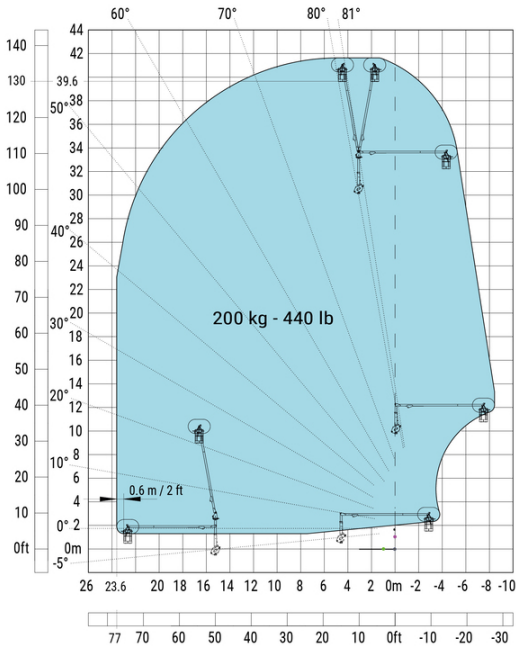


Machine on lowered stabilisers with 1000 kg platform

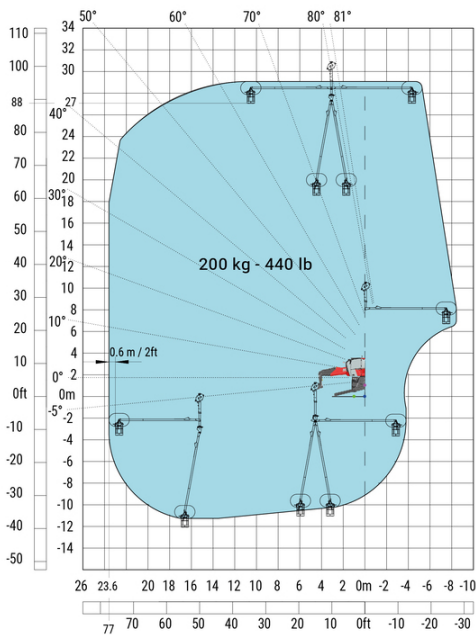
Imperial



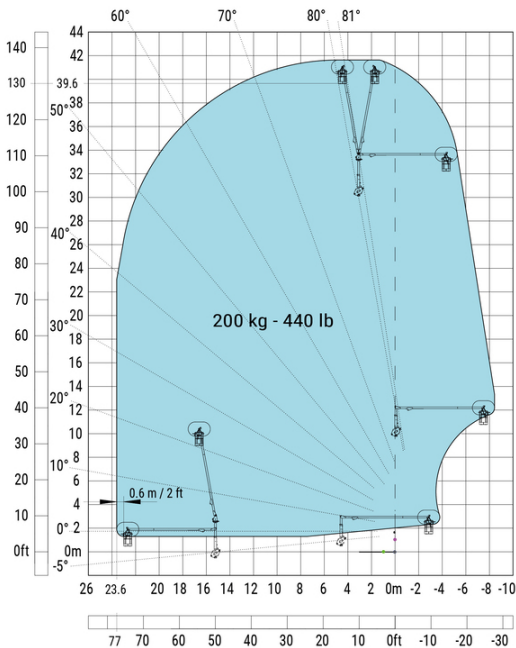
Machine on lowered stabilisers with 3D positive Metric



Machine on lowered stabilisers with 3D negative Metric



Machine on lowered stabilisers with 3D positive / negative Metric





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