

Technical sheet :

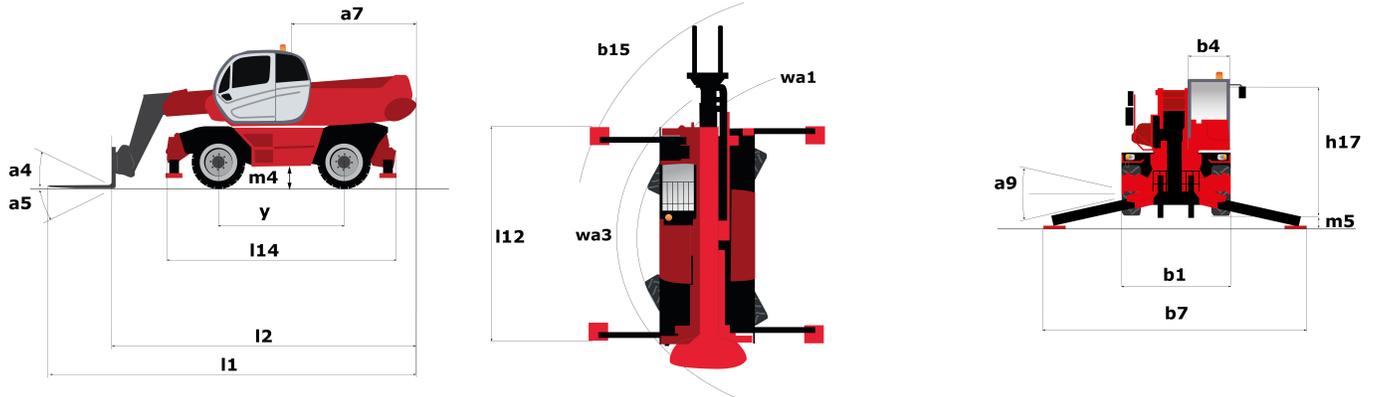
# **MRT 3255 PRIVILEGE PLUS**

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Capacities		Metric	Imperial
Max. capacity	Q	5500 kg	12125 lbs
Max. lifting height	h3	31.6 m	103 ft 8 in
Max. Reach	l4	27.2 m	89 ft 3 in
Weight and dimensions			
Overall width	b1	2.5 m	8 ft 2 in
Overall height	h17	3.2 m	10 ft 6 in
Overall cab width	b4	0.99 m	3 ft 3 in
Outer frame turning radius	Wa3	5.56 m	18 ft 3 in
Ground clearance	m4	0.42 m	1 ft 5 in
Wheelbase	y	3.75 m	12 ft 4 in
Frame levelling longitudinal +/- (Degree)		3	3
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Turret rotation		360 °	360 °
Overall weight		23986 kg	52880 lbs
Forks length / width / section	l / e / s	1200 mm x 60 mm x 130 mm	47.244 in x 2.362 in x 5.118 in
Wheels			
Standard tyres		17,5_R25	17,5_R25
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 Triplex	Telescopic Triplex
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Mercedes	Mercedes
Engine norm		Stage IV / Tier 4 Final	Stage IV / Tier 4 Final
Engine model		OM 934 LA.E4-1	OM 934 LA.E4-1
I.C. Engine power rating / Power (kW)		231 Hp / 170 kW	231 Hp / 170 kW
Max. torque / Engine rotation		1600 Nm/m @ 1200 tr/min	1600 Nm/m @ 1200 tr/min
Number of cylinders - Capacity of cylinders		4 - 5130 cm <sup>3</sup>	4 - 313.05 in <sup>3</sup>
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Number of batteries		2	2
Battery / Batteries capacity		12 V / 120 Ah	12 V / 120 Ah
Transmission			
Transmission type		CVT	CVT
Max. travel speed (may vary according to applicable regulations)		40 km/h	24.9 mph
Drawbar pull (Laden)		10500 daN	10500 daN
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Oil-immersed multi-discs on front & rear axles	Oil-immersed multi-discs on front & rear axles
Hydraulics			
Hydraulic pump type		Variable pump	Variable pump
Hydraulic flow		210 l/min	210 l/min
Hydraulic Pressure		350 Bar	24 PSI
Tank capacities			
Engine oil		21 l	4.62 gal
Hydraulic oil		297 l	65.33 gal
Fuel tank		361 l	79.41 gal
Diesel Exhaust fluid (AdBlue® type)		54 l	11.88 gal
Noise and vibration			
Noise at driving position (LpA)		80 dB(A)	80 dB(A)
Noise to environment (LwA)		106 dB(A)	106 dB(A)
Vibration to whole hand/arm		< 2.50 m/s <sup>2</sup>	< 2.50 m/s <sup>2</sup>
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Safety cab homologation		Cab ROPS - FOPS Level 2	Cab ROPS - FOPS Level 2
Attachment recognition system (E-Reco)		Standard	Standard

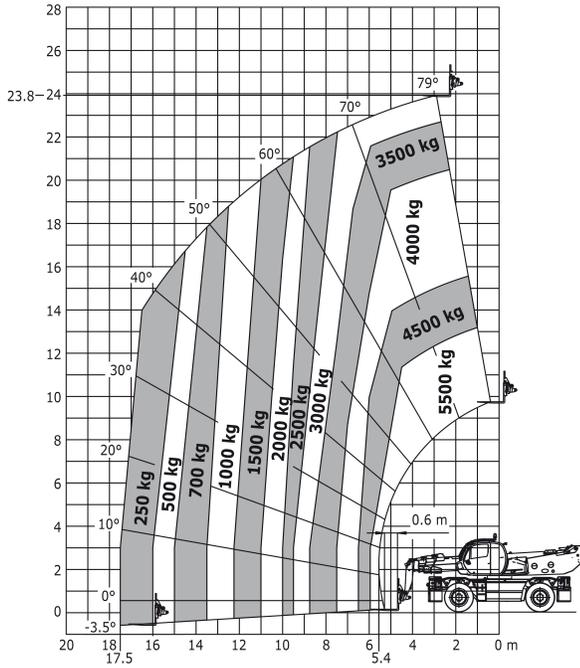
## Dimensional drawing



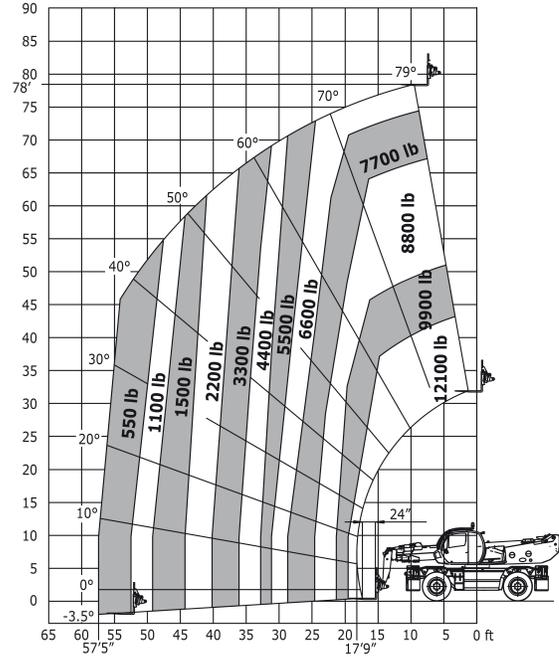
Other data		Metric	Imperial
Overall length (with forks)	$l_1$	9.7 m	31 ft 10 in
Length to face of forks	$l_2$	8.5 m	27 ft 11 in
Length of frame	$l_{14}$	6.57 m	21 ft 7 in
Wheelbase	$y$	3.75 m	12 ft 4 in
Ground clearance	$m_4$	0.42 m	1 ft 5 in
Counterweight offset (turret at 90°)	$a_7$	3.8 m	12 ft 6 in
Tilt-up angle	$a_4$	12 °	12 °
Tilt-down angle	$a_5$	105 °	105 °
Overall length at stabilisers	$l_{12}$	6.49 m	21 ft 4 in
Outer frame turning radius	$wa_3$	5.56 m	18 ft 3 in
Outer turning radius (with forks)	$b_{15}$	7 m	23 ft
Overall width	$b_1$	2.5 m	8 ft 2 in
Overall width with stabilisers extended	$b_7$	7.1 m	23 ft 4 in
Overall cab width	$b_4$	0.99 m	3 ft 3 in
Overall height	$h_{17}$	3.2 m	10 ft 6 in
Frame levelling corrector	$a_9$	8 °	8 °
Ground clearance under front tires on stabilizers	$m_5$	0.35 m	1 ft 2 in

# Load chart

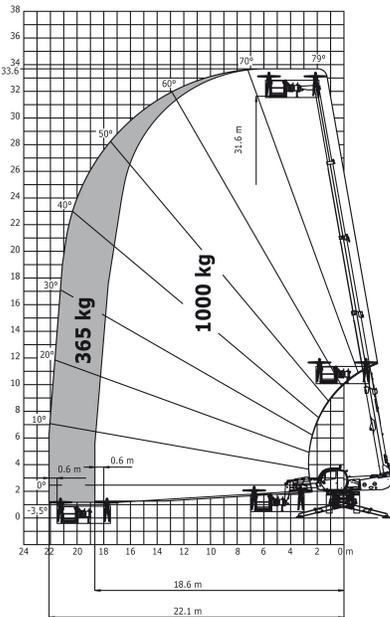
Machine on tyres with forks Metric



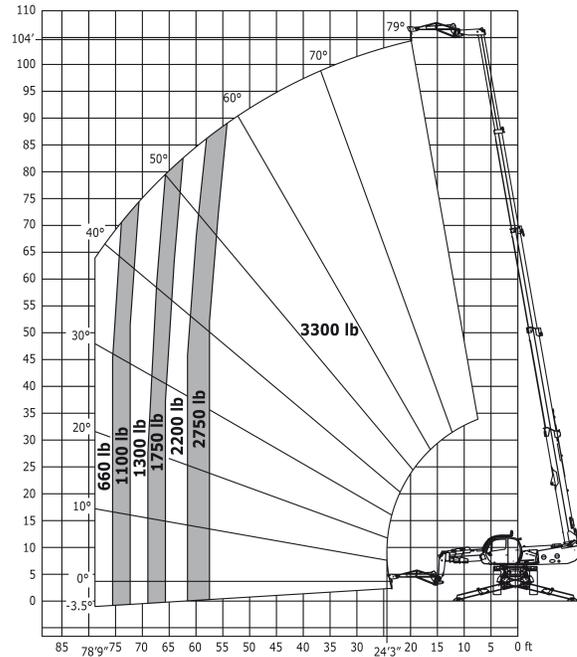
Machine on tyres with forks Imperial



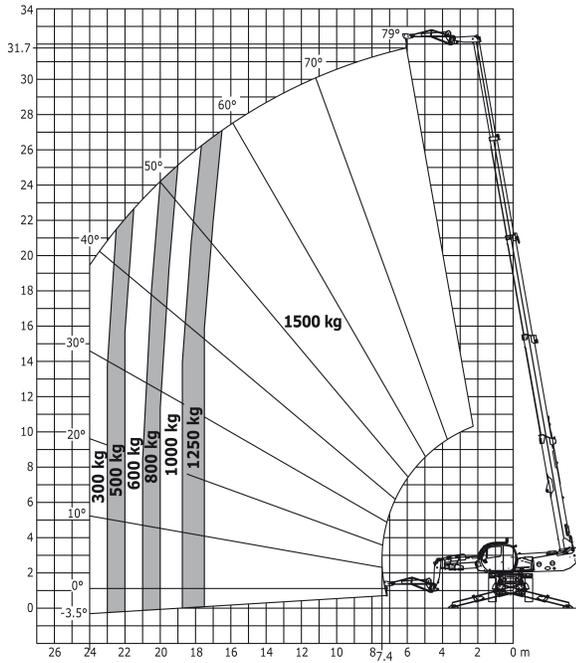
Rotation on lowered stabilisers with 1000 kg platform Metric



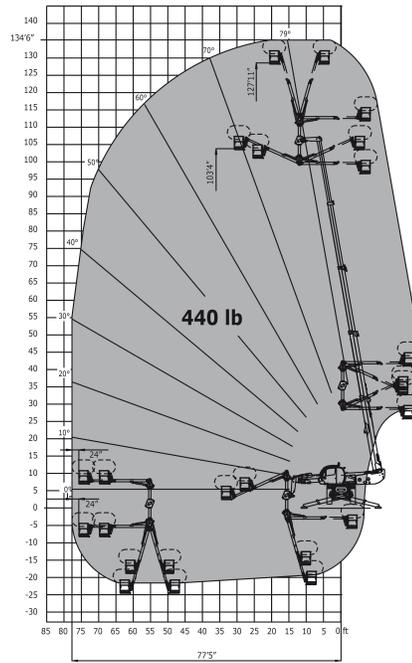
Rotation on lowered stabilisers with 1500 lb jib Imperial



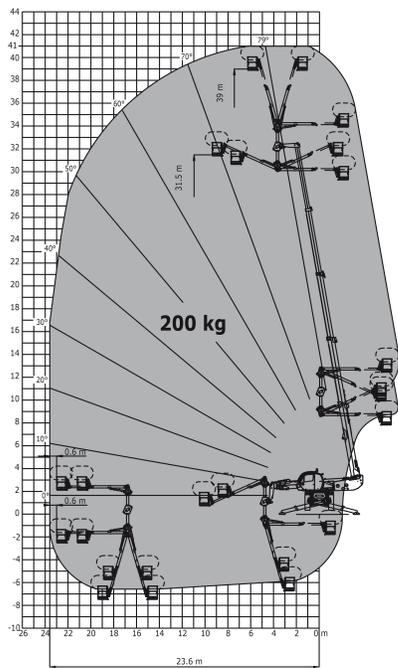
Rotation on lowered stabilisers with 1500 kg jib Metric



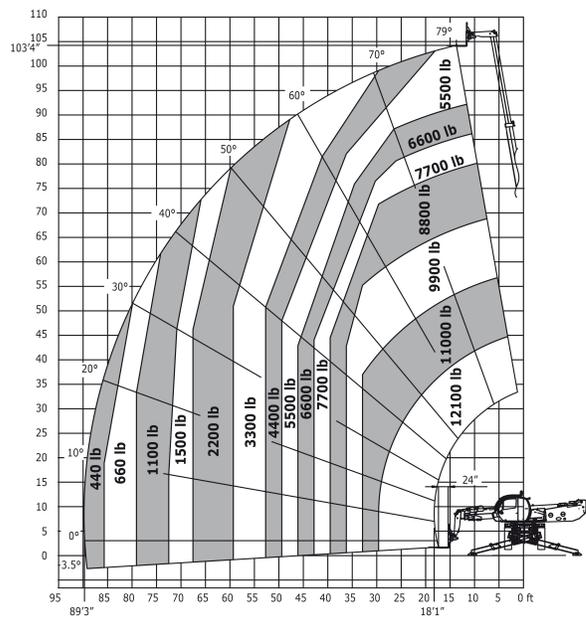
Rotation on lowered stabilisers with 3D positive / negative Imperial



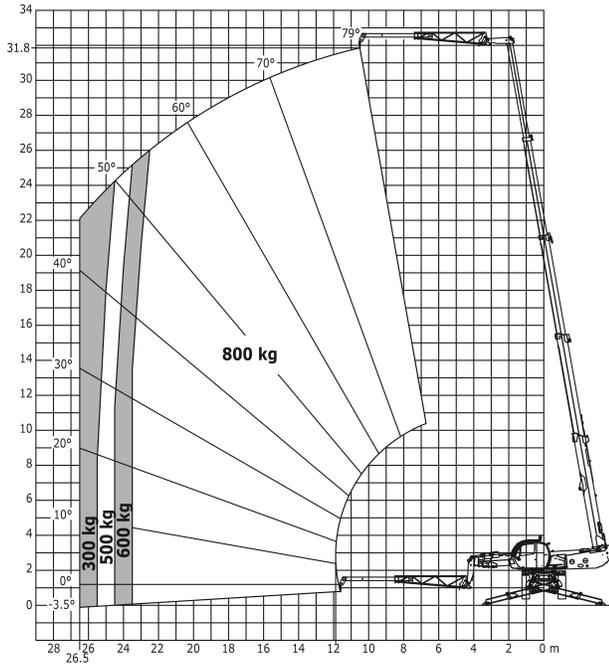
Rotation on lowered stabilisers with 3D positive / negative Metric



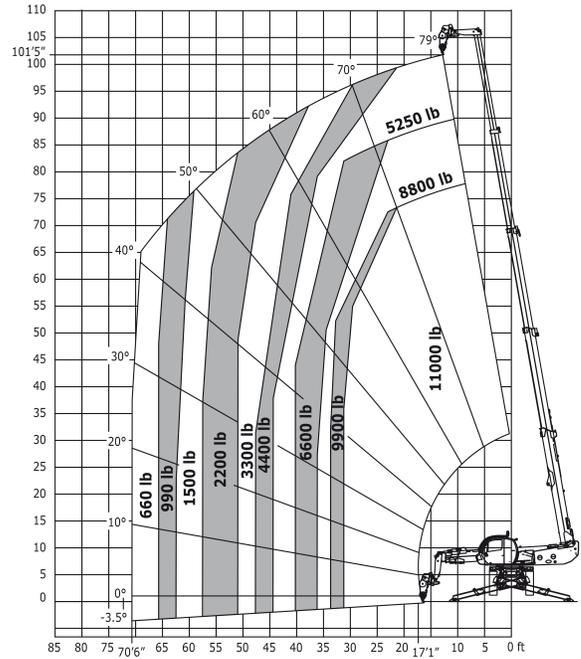
Rotation on lowered stabilisers with forks Imperial



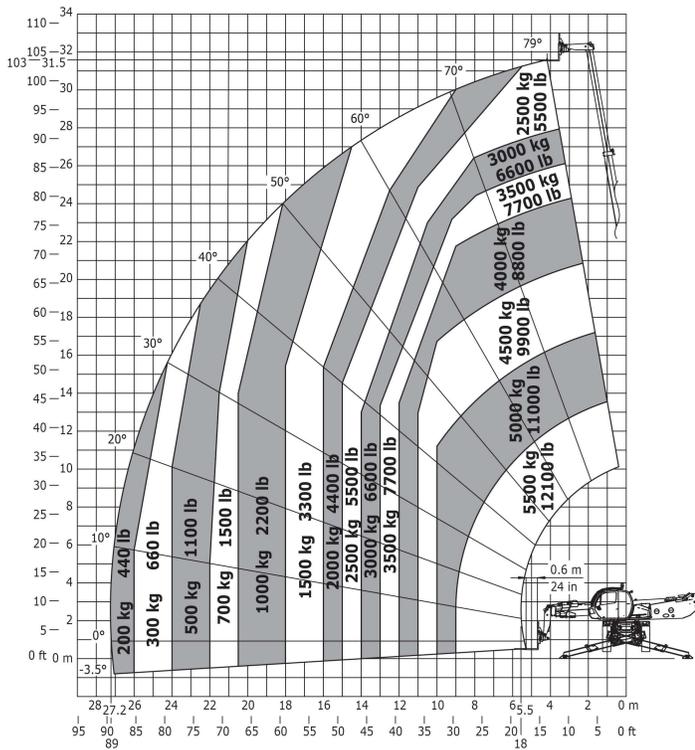
Rotation on lowered stabilisers with 800 kg jib  
Metric



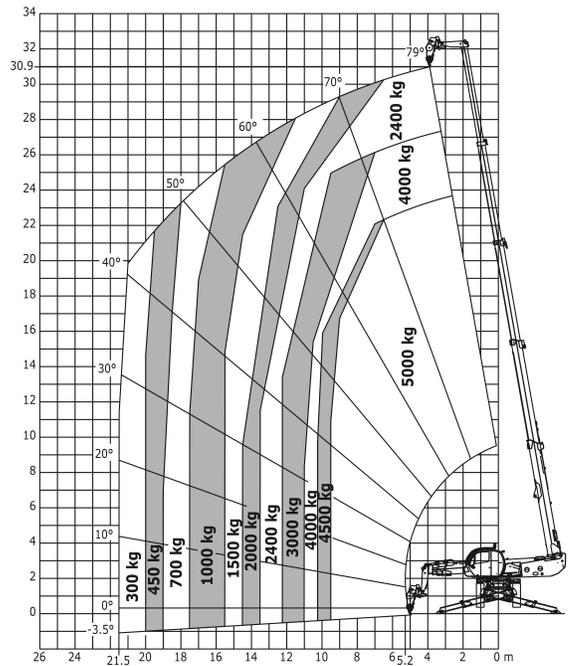
Rotation on lowered stabilisers with winch  
5000 kg Imperial



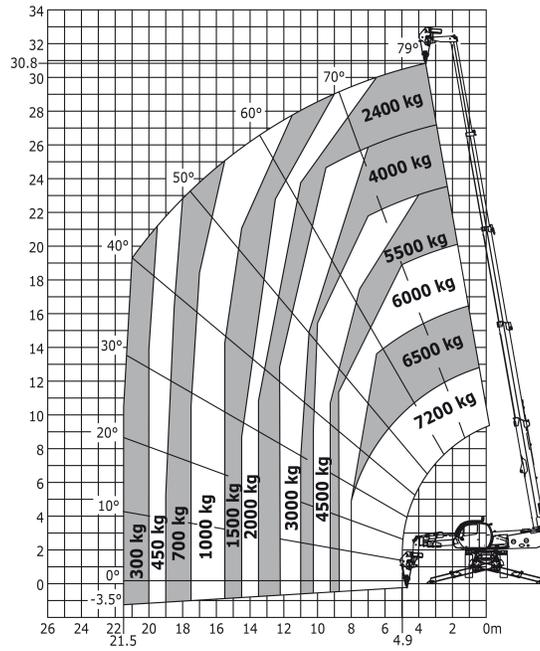
Rotation on lowered stabilisers with forks  
Metric

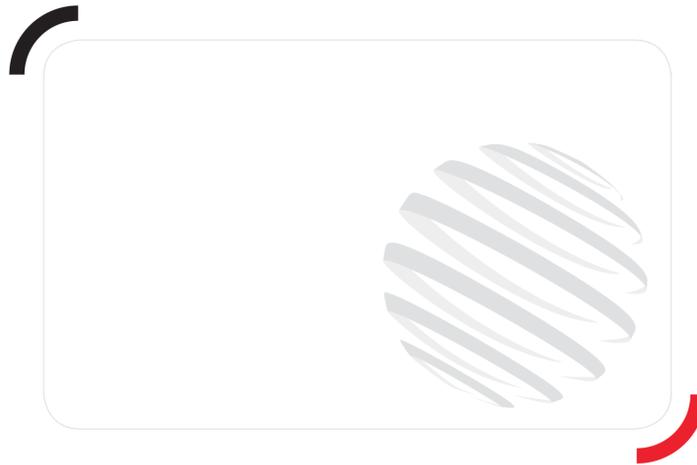


Rotation on lowered stabilisers with winch  
5000 kg Metric



# Rotation on lowered stabilisers with winch 7000 kg Metric





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