Technical sheet :

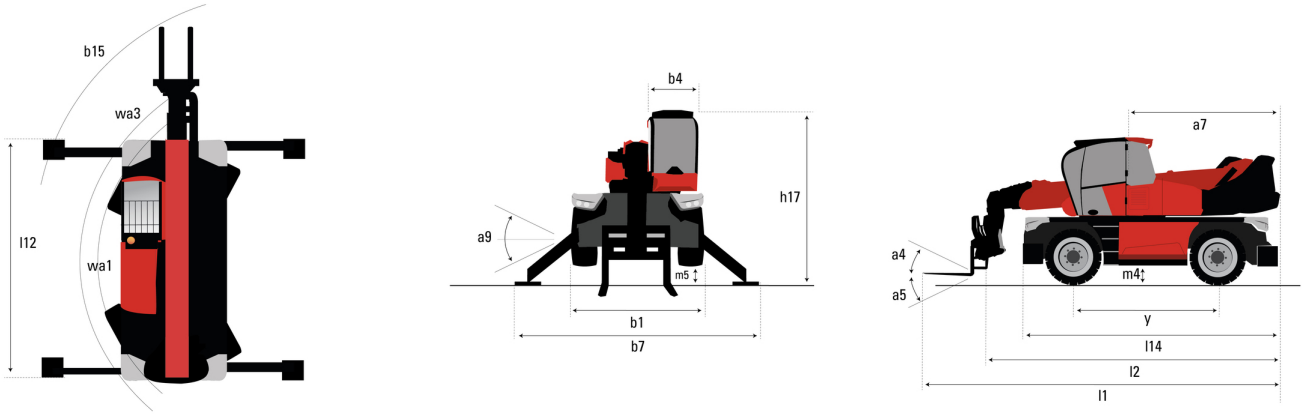
MRT 3255 PRIVILEGE PLUS



MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		5500 kg	12125 lb
Max. lifting height		31.60 m	103 ft 8 in
Max. outreach		27.20 m	89 ft 3 in
Weight and dimensions			
Overall length (with forks)	l1	9.70 m	31 ft 10 in
Length to face of forks	l2	8.50 m	27 ft 11 in
Overall width	b1	2.50 m	8 ft 2 in
Overall height	h17	3.20 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 leveling longitudinal +/-		3 °	3 °
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Turret rotation		360 °	360 °
Overall weight		23986 kg	52880 lb
Forks length / width / section	l / e / s	1200 mm x 60 mm x 130 mm	47 in x 2 in x 5 in
Wheels			
Standard tires		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 / Engine rotation		231 Hp / 170 kW @ 1600 rpm	231 Hp / 170 kW @ 1600 rpm
Max. torque / Engine rotation (min)		705 Nm @ 1200 rpm	520 ft/lbs @ 1200 rpm
Number of cylinders - Capacity of cylinders		4 - 5130 cm³	4 - 313 in³
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Electric circuit			
Number of batteries / Battery voltage		2 x 12 V	2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Transmission			
Transmission type		CVT	CVT
Max. travel speed		40 km/h	25 mph
Drawbar pull		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	55 US gpm
Hydraulic Pressure		350 bar	5076 PSI
Tank capacities			
Engine oil		21 l	6 US gal
Hydraulic oil		297 l	78 US gal
Fuel tank		361 l	95 US gal
Diesel Exhaust fluid (AdBlue® type)		54 l	14 US gal
Noise and vibration			
Noise at driving position (LpA)		80 dB	80 dB
Environmental noise (LwA)		106 dB	106 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

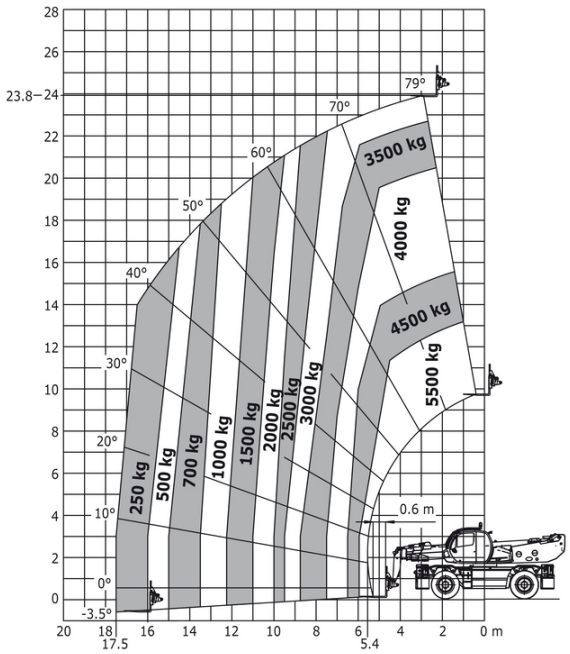
MRT 3255 Privilege Plus - Dimensional drawing



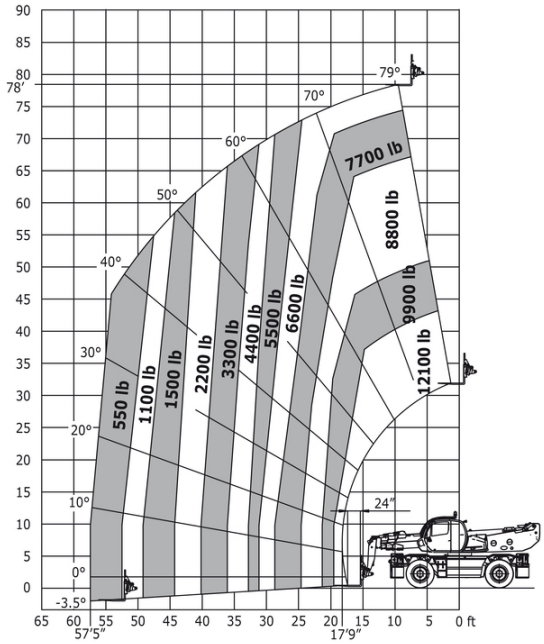
Other data		Metric	Imperial
Length of frame	l14	6.57 m	21 ft 7 in
Wheelbase	y	3.75 m	12 ft 4 in
Ground clearance	m4	0.42 m	1 ft 5 in
Counterweight offset (turret at 90°)	a7	3.80 m	12 ft 6 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Overall length at stabilisers	l12	6.49 m	21 ft 4 in
Outer frame turning radius	Wa3	5.56 m	18 ft 3 in
Outer turning radius (with forks)	b15	7 m	23 ft
Overall width with stabilisers extended	b7	7.10 m	23 ft 4 in
Overall height	h17	3.20 m	10 ft 6 in
Frame leveling corrector	a9	+/- 8 °	+/- 8 °
Ground clearance under front tires on stabilizers	m5	0.35 m	1 ft 2 in

MRT 3255 Privilege Plus - Load chart

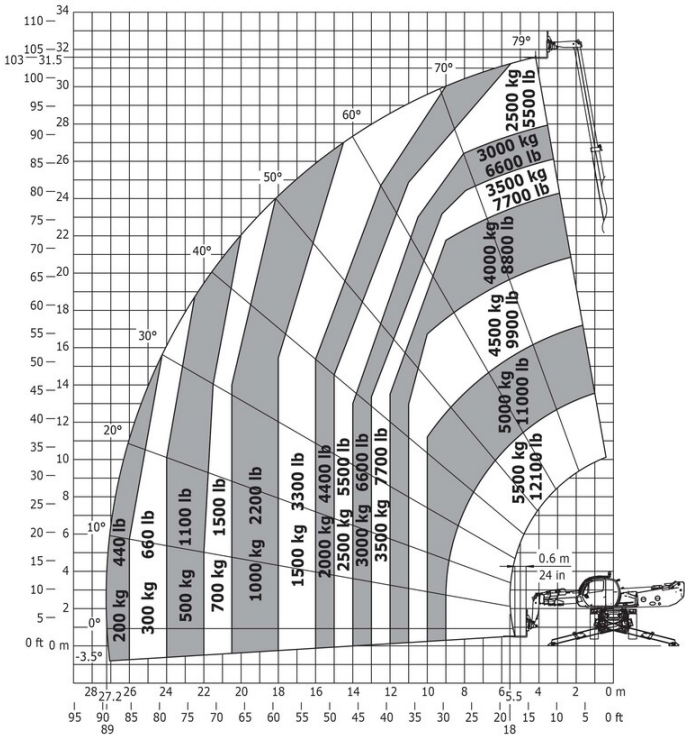
Machine on tyres with forks Metric



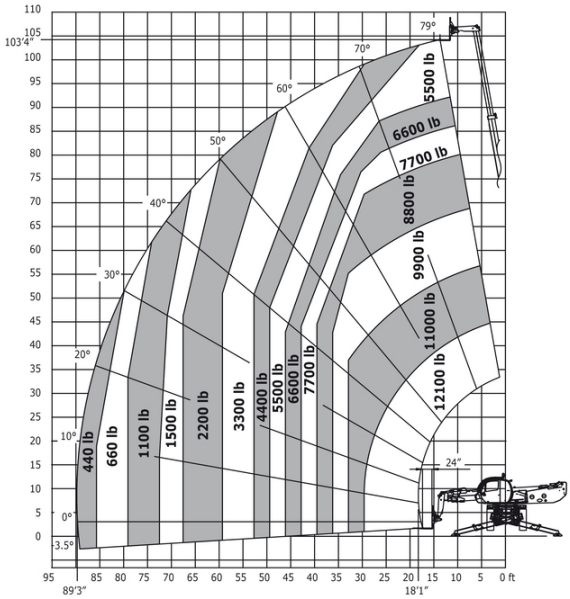
Machine on tyres with forks Imperial



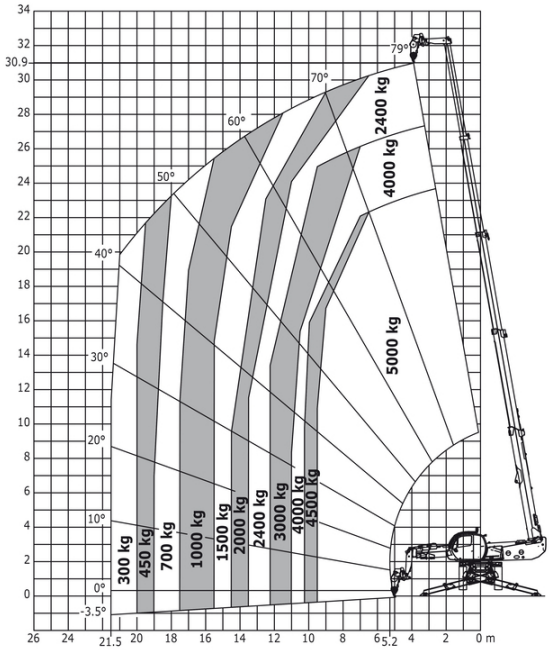
Machine on lowered stabilisers with forks Metric



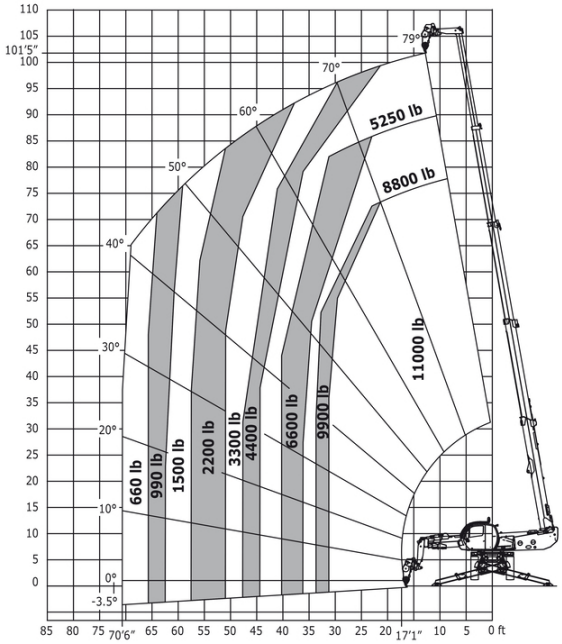
Machine on lowered stabilisers with forks Imperial



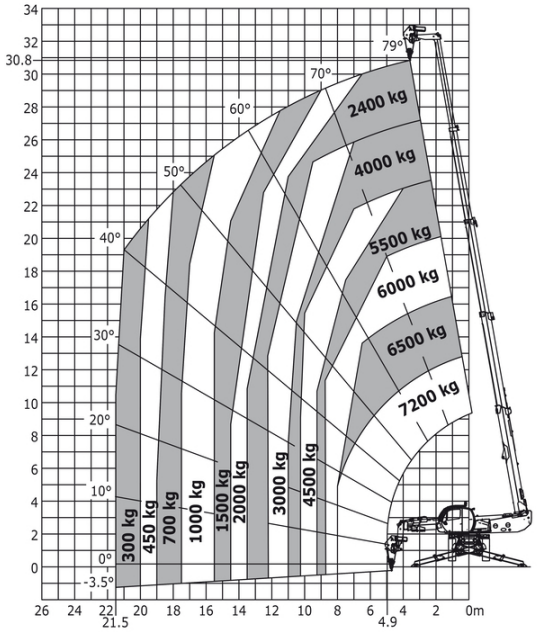
Machine on lowered stabilisers with winch 5000 kg Metric



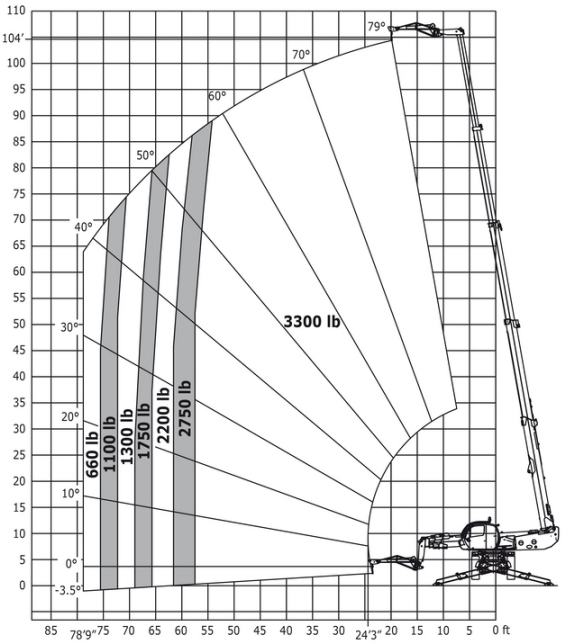
Machine on lowered stabilisers with winch 5000 kg Imperial



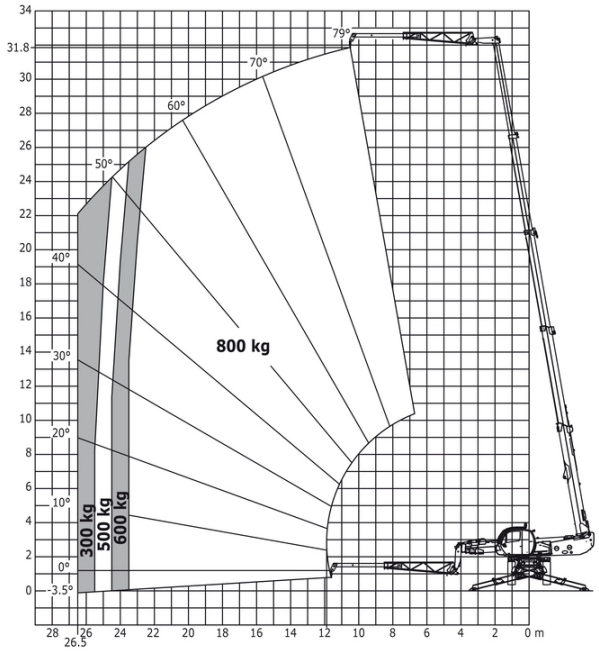
Machine on lowered stabilisers with winch 7000 kg Metric



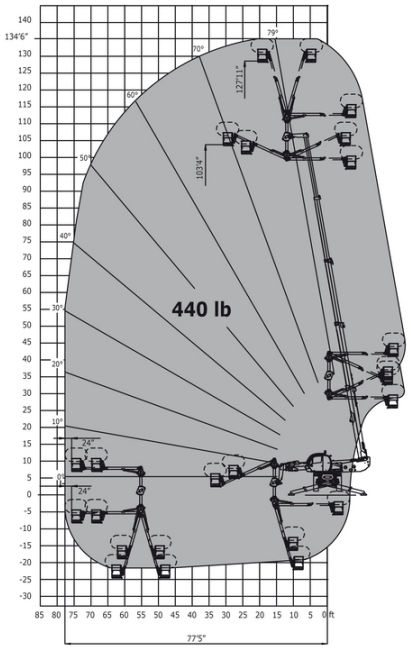
Machine on lowered stabilisers with 1500 kg jib Imperial



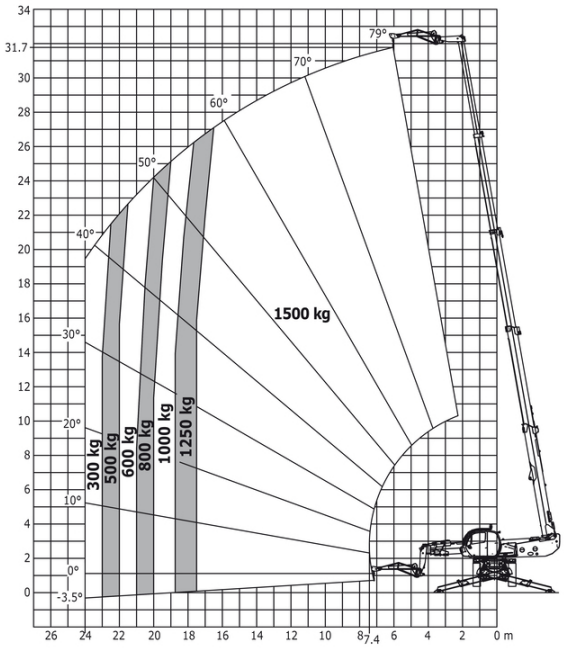
Machine on lowered stabilisers with 800 kg jib Metric



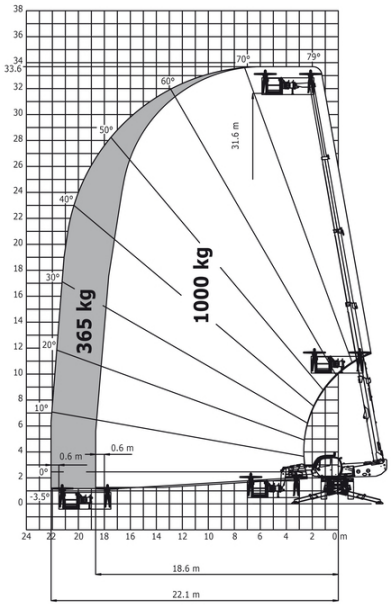
Machine on lowered stabilisers with 3D positive / negative Imperial



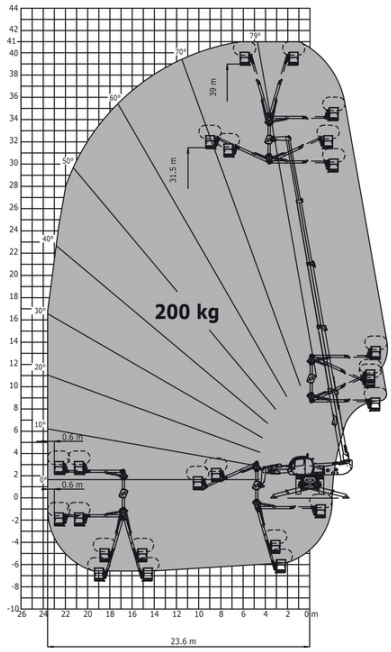
Machine on lowered stabilisers with 1500 kg jib Metric



Machine on lowered stabilisers with 1000 kg platform Metric



Machine on lowered stabilisers with 3D positive / negative Metric



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