Technical sheet :

MRT 2550 PRIVILEGE PLUS

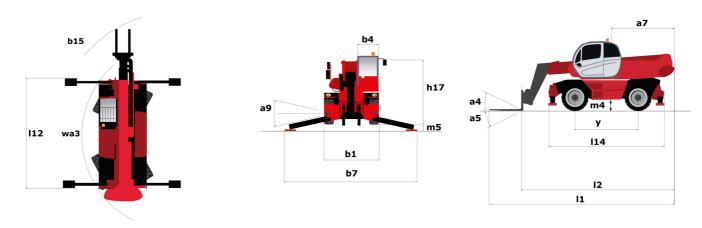




MRT 2550 PRIVILEGE PLUS Created on April 24, 2024 at 8:47:15 PM UTC

Capacities		Metric	Imperial
Max. capacity		4999 kg	11021 lb
Max. lifting height		24.70 m	81 ft
Max. outreach		21.40 m	70 ft 3 in
Weight and dimensions			
Overall length (with forks)	11	9.04 m	29 ft 8 in
Length to face of forks	12	7.84 m	25 ft 9 in
Dverall width	b1	2.49 m	8 ft 2 in
Dverall height	h17	3.05 m	10 ft
Dverall cab width	b4	0.99 m	3 ft 3 in
Duter frame turning radius	Wa3	5.23 m	17 ft 2 in
Ground clearance	m4	0.35 m	1 ft 2 in
Vheelbase	у	3.05 m	10 ft
Filt-up angle	a4	13 °	13 °
ïlt-down angle	a5	102 °	102 °
Furret rotation		360 °	360 °
Overall weight		18900 kg	41667 lb
orks length / width / section	l / e / s	1200 mm x 150 mm x 50 mm	47 in x 6 in x 2 in
Vheels			
ïres type		Pneumatic	Pneumatic
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 Simultaneou
Engine			
Ingine brand		Mercedes	Mercedes
Engine norm		Stage IV / Tier 4 Final	Stage IV / Tier 4 Final
ingine model		OM 934 LA.E4-5	OM 934 LA.E4-5
.C. Engine power rating / Power / Engine rotation		156 Hp / 115 kW @ 1600 rpm	156 Hp / 115 kW @ 1600 rpm
Max. torque / Engine rotation (min)		675 Nm @ 1200 rpm	498 ft/lbs @ 1200 rpm
Number of cylinders - Capacity of cylinders		4 - 5130 cm ³	4 - 313 in ³
njection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Electric circuit		Water	Water
		2 x 12 V	2 x 12 V
Number of batteries / Battery voltage			2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Transmission			
Fransmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2/2
Max. travel speed		40 km/h	25 mph
Drawbar pull		8700 daN	8700 daN
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Hydraulic	Hydraulic
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow		115 l/min	30 US gpm
łydraulic Pressure		275 bar	3989 PSI
Hydraulic tank capacity		225	59 US gal
Tank capacities			
Ingine oil		14	4 US gal
-		225	59 US gal
lydraulic oil			59 US gal 81 US gal
lydraulic oil iuel tank		305 I	81 US gal
ydraulic oil uel tank Viesel Exhaust fluid (AdBlue® type)			
ydraulic oil uel tank biesel Exhaust fluid (AdBlue® type) loise and vibration	-	305 l 57 l	81 US gal 15 US gal
tydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA)	-	305 I 57 I 79.70 dB	81 US gal 15 US gal 79.70 dB
Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) Noise to environment (LwA)	-	305 I 57 I 79.70 dB 107 dB	81 US gal 15 US gal 79.70 dB 107 dB
Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Arbration to whole hand/arm		305 I 57 I 79.70 dB	81 US gal 15 US gal 79.70 dB
Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Vibration to whole hand/arm Miscellaneous		305 I 57 I 79.70 dB 107 dB < 2.50 m/s ²	81 US gal 15 US gal 79.70 dB 107 dB < 2.50 m/s ²
Aydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Arbration to whole hand/arm Miscellaneous Steering wheels (front / rear)		305 I 57 I 79.70 dB 107 dB < 2.50 m/s ² 2 / 2	81 US gal 15 US gal 79.70 dB 107 dB < 2.50 m/s ² 2 / 2
Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Arbration to whole hand/arm		305 I 57 I 79.70 dB 107 dB < 2.50 m/s ²	81 US gal 15 US gal 79.70 dB 107 dB < 2.50 m/s ²

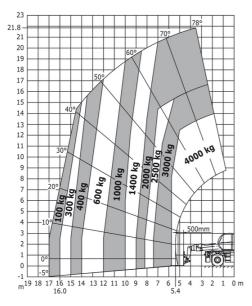
MRT 2550 Privilege Plus - Dimensional drawing



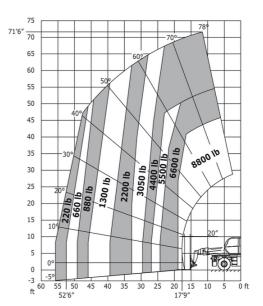
Other data		Metric	Imperial
Length of frame	114	5.35 m	17 ft 7 in
Wheelbase	у	3.05 m	10 ft
Ground clearance	m4	0.35 m	1 ft 2 in
Counterweight offset (turret at 90°)	а7	3.18 m	10 ft 5 in
Tilt-up angle	a4	13 °	13 °
Tilt-down angle	a5	102 °	102 °
Overall length at stabilisers	112	5.19 m	17 ft
Outer frame turning radius	Wa3	5.23 m	17 ft 2 in
Outer turning radius (with forks)	b15	6.92 m	22 ft 8 in
Overall width with stabilisers extended	b7	5.55 m	18 ft 3 in
Overall height	h17	3.05 m	10 ft
Frame leveling corrector	a9	+/- 8 °	+/- 8 °
Ground clearance under front tires on stabilizers	m5	0.23 m	9 in

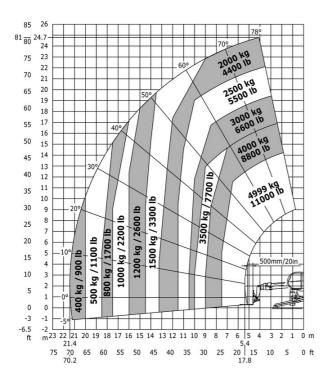
MRT 2550 Privilege Plus - Load chart

Machine on tyres with forks Metric



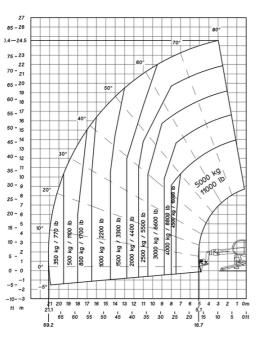
Machine on tyres with forks Imperial

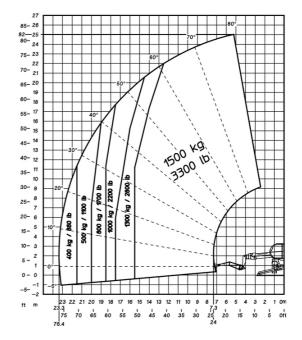




Machine on lowered stabilisers with winch 5000 kg Metric

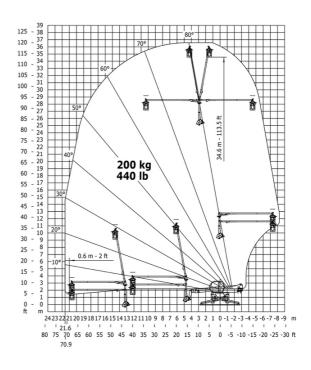
Machine on lowered stabilisers with 1500 kg jib Metric



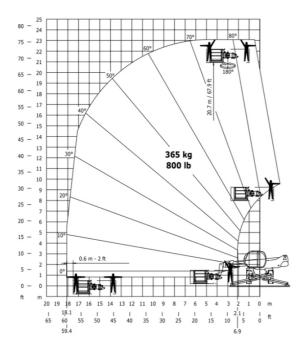


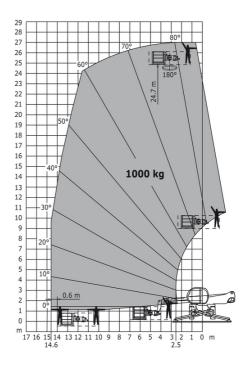
MRT 2550 PRIVILEGE PLUS Created on April 24, 2024 at 8:47:15 PM UTC Machine on lowered stabilisers with 3D positive / negative

Imperial

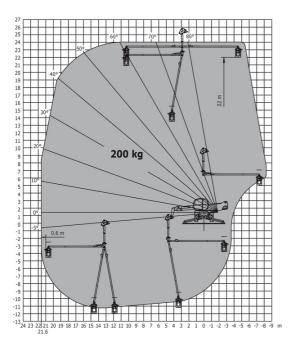


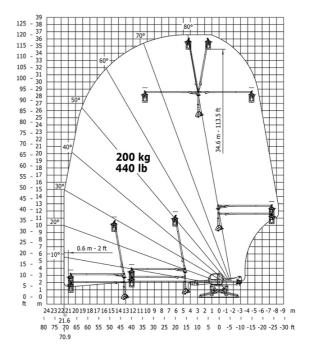
Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 1000 kg platform Metric





Machine on lowered stabilisers with 3D negative Metric Machine on lowered stabilisers with 3D positive / negative Metric







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