Technical sheet :

MRT 2145 115

VISION

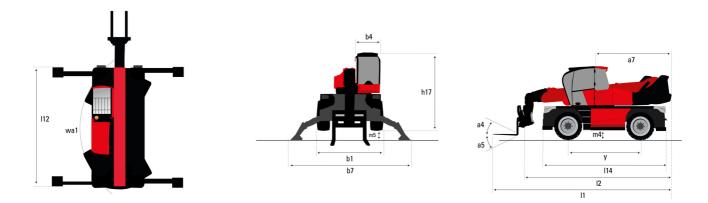




IRT 2145 115	Created	on 30	January	2025 at	14:38 UTC

	MRT 2145 115 Created on 30 January 2025 at 14:38 UTC			
Capacities	Metric			
Max. capacity	4500 kg			
Max. lifting height	20.60 m			
Max. outreach	18 m			
Weight and dimensions				
Overall length (with forks)	l1 7.93 m			
Length to face of forks	l2 6.73 m			
Overall width	b1 2.48 m			
Overall height	h17 3.04 m			
Overall cab width	b4 0.96 m			
Ground clearance	m4 0.37 m			
Wheelbase	y 2.73 m			
Tilt-up angle	a4 10 °			
Tilt-down angle	a5 107 °			
Turret rotation / rotation (Max.)	400 ° or 400 °			
	1400 01400 14900 kg			
Overall weight				
Forks length / width / section Wheels	l / e / s 1200 mm x 125 mm x 50 mm			
	10.10.5			
Standard tires	18-19,5			
Drive wheels (front / rear)	2/2			
Steering mode	2 wheel steer, 4 wheel steer, Crab mode			
Stabilisers				
Stabilizers Type	Spider Type			
Controls with stabs	Stabs Commands Individual or Simultaneous			
Engine				
Engine brand	Deutz			
Engine norm	Stage V / Tier 4			
Engine model	TCD 3.6 L4			
I.C. Engine power rating / Power / Engine rotation	116 Hp / 85 kW @ 2200 rpm			
Max. torque / Engine rotation (min)	460 Nm @ 1600 rpm			
Number of cylinders - Capacity of cylinders	4 - 3620 cm ³			
Engine cooling system	Water cooled			
Electric circuit				
Number of batteries / Battery voltage	2 x 12 V			
12V Battery capacity	120 Ah			
Battery starting current	(EN)850 A			
Transmission				
Transmission type	Hydrostatic			
Number of gears (forward / reverse)	2/2			
Max. travel speed	40 km/h			
Drawbar pull	9700 daN			
Parking brake	Automatic negative parking brake			
Service brake	Oil-immersed multi-discs braking on front & rea axles	ır		
Performances	dites			
Gradeability (laden / unladen)	48.70 % / 49.80 %			
Hydraulics	40.70 % / 45.00 %			
	Veriable displacement num			
Hydraulic pump type Hydraulic flow	Variable displacement pump 116 l/min			
•				
Hydraulic Pressure	275 bar			
Tank capacities				
Engine oil	111			
Fuel tank	133			
Diesel Exhaust fluid (AdBlue® type)	111			
Noise and vibration				
Noise at driving position (LpA)	68 dB			
Noise to environment (LwA)	106 dB			
Vibration on hands/arms	< 2.50 m/s ²			
Miscellaneous				
Steering wheels (front / rear)	2 / 2			
Controls	2 Joysticks			
Safety cab homologation	Cabin ROPS - FOPS level 2			
Attachment recognition system (E-Reco)	Standard			

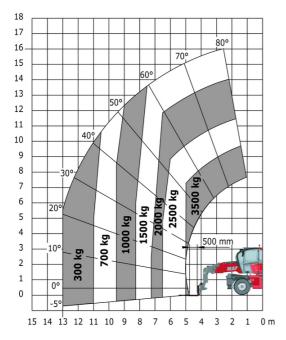
MRT 2145 115 - Dimensional drawing



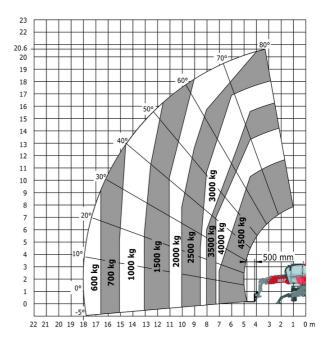
Other data		Metric
Length of frame	114	4.97 m
Wheelbase	у	2.73 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	10 °
Tilt-down angle	а5	107 °
Overall length at stabilisers	112	4.71 m
External turning radius (over tyres)	Wa1	4.16 m
Overall width with stabilisers extended	b7	4.98 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

MRT 2145 115 - Load chart

Machine on tires with forks Metric

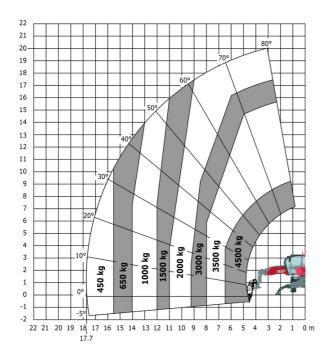


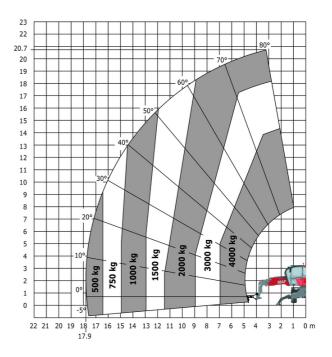
Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with winch 5000 kg Metric

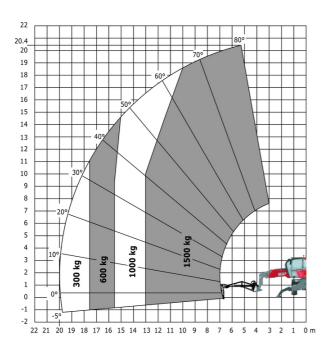
Machine on lowered stabilisers with 4000 kg jib (Metric)

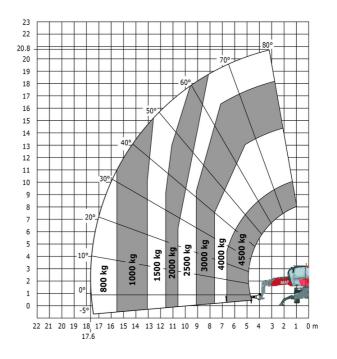




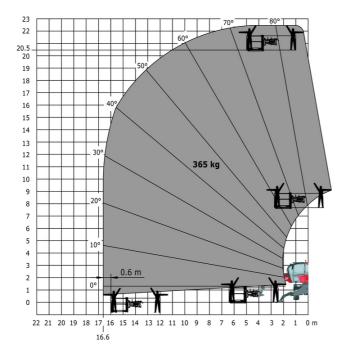
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)

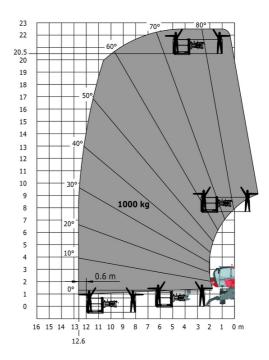
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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







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