

Technical sheet :

MRT 2145 115

VISION



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity	Q	4500 kg
Max. lifting height		20.60 m
Maximum 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
External turning radius (over tyres)	Wa1	4.16 m
Ground clearance	m4	0.37 m
Wheelbase	y	2.73 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Turret rotation		360 °
Overall weight		14900 kg
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm
Wheels		
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 for stabs		Stabs Commands Individual or Simultaneous
Engine		
Engine brand		Deutz
Engine norm		Stage V, Tier 4
Engine model		TCD 3.6 L4
Engine power (Hp) / power (kW) / rotation		116 Hp / 85 kW @ 2200 rpm
Max. torque / Engine rotation (min)		460 Nm @ 1600 rpm
Number of cylinders - Capacity of cylinders		4 - 3620 cm³
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 & rear axles
Performances		
Gradeability (laden / unladen)		48.70 % / 49.80 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow		116 l/min
Hydraulic Pressure		275 bar
Tank capacities		
Engine oil		11 l
Fuel		133 l
Diesel Exhaust fluid (AdBlue® type)		11 l
Noise and vibration		
Noise at driving position (LpA)		68 dB
Noise to environment (LWA)		106 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Controls		2 Joysticks
Cab certification		Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)		Standard

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





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