Technical sheet :

MRT 1845 115

VISION

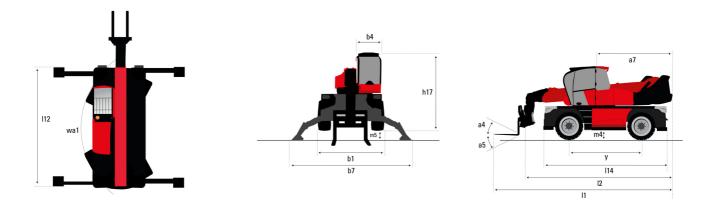




IRT 1845 115	Created of	on August	12, 2025	at 2:04	PM UTC

	MRT 1843 113	Created on August 12, 2025 at 2:04 PM U
Capacities		Metric
Max. capacity		4500 kg
Max. lifting height		18 m
Maximum outreach		15.20 m
Weight and dimensions		
Overall length (with forks)	1	7.26 m
Length to face of forks	12	6.06 m
Overall width	b1	2.42 m
Overall height	h17	3.04 m
Overall cab width	b4	0.96 m
Ground clearance	m4	0.37 m
Wheelbase	у	2.43 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Turret rotation / rotation (Max.)	40	400 ° or 360 °
Overall weight		14100 kg
	l / e / s	
Forks length / width / section	17 e 7 s	1200 mm x 125 mm x 50 mm
Wheels		105/70.00
Standard tires		405/70-20
Drive wheels (front / rear)		2/2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		
Stabilizers Type		Wing 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		116 Hp / 85 kW
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		(EN)850 A
		Under staffs
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
Defense		axles
Performances		
Gradeability (laden / unladen)		46.60 % / 50.90 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow		116 l/min
Hydraulic Pressure		275 bar
Tank capacities		
Engine oil		11
Fuel tank		130
Diesel Exhaust fluid (AdBlue® type)		11
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		
CONTROLS		2 Joysticks
Cab certification		Cabin ROPS - FOPS level 2

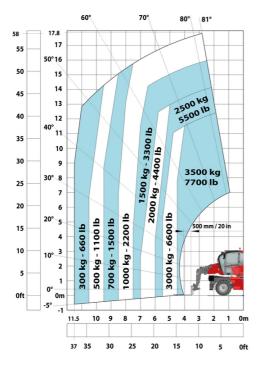
MRT 1845 115 - Dimensional drawing



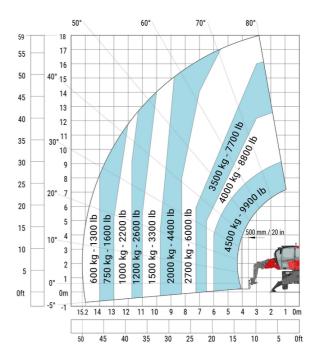
Other data		Metric
Length of frame	114	4.67 m
Wheelbase	у	2.43 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Overall length at stabilisers	112	4.41 m
External turning radius (over tyres)	Wa1	3.92 m
Overall width with stabilisers extended	b7	4.01 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

MRT 1845 115 - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric



70°

80° 81°

3500 kg - 7700 lb

2000 kg - 4400 lb 2500 kg - 5500 lb

1000 kg - 2200 lb 1500 kg - 3300 lb

16 15.1 14 13 12 11 10 9

500 kg - 1100 lb 700 kg - 1500 lb 4000 kg - 8800 lb

 0m

0ft

Machine on lowered stabilisers with winch 5000 kg Metric

Machine on lowered stabilisers with 4000 kg jib (Metric)

60°

50°

0°

0m

-5° -1

20° 7

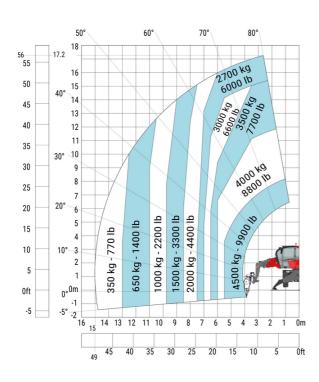
10° 4

30°¹¹

40°15

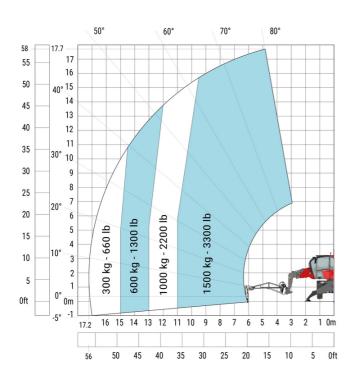
18.1

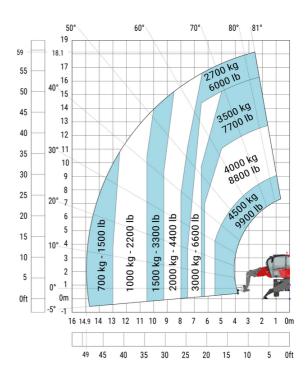
0ft



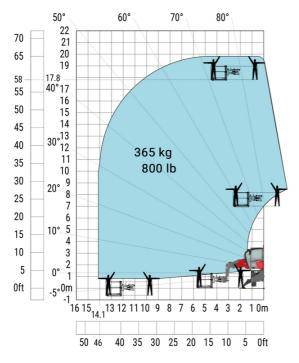
(Metric)

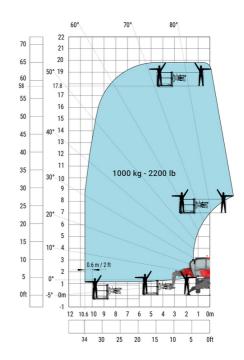
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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







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