Technical sheet :

# **MRT-X 1645**

VISION

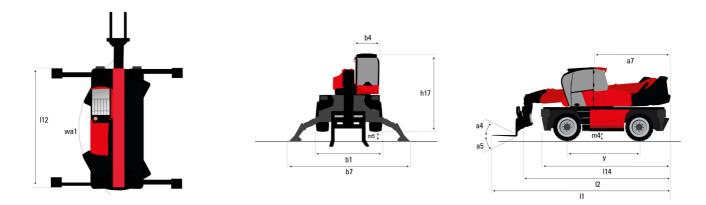




1RT-X 1645	Created on	April 29	2024 at	12:54:47	PM U	ТС
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	mrt-x 1645 Created on April 29, 2024 at 12:54:47 PM	UT
Capacities	Metric	
Max. capacity	4500 kg	
Max. lifting height	15.80 m	
Max. outreach	13.50 m	
Weight and dimensions		
Overall length (with forks)	l1 7.58 m	
Length to face of forks	l2 6.38 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	y 2.43 m	
Tilt-up angle	a4 12 °	
Tilt-down angle	a5 105 ° 400 °	
Turret rotation		
Overall weight	13305 kg	
Forks length / width / section	l / e / s 1200 mm x 125 mm x 50 mm	_
Wheels		
Standard tires	405/70-20	
Drive wheels (front / rear)	2/2	
Steering mode	2 wheel steer, 4 wheel steer, Crab mode	
Stabilisers		
Stabs Type	Wing Type	
Controls with stabs	Stabs Commands Individual or Simultaneous	
Engine		
Engine brand	Deutz	
Engine norm	Stage IIIA	
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		
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	11
Performances		
Gradeability (laden / unladen)	46.60 % / 50.90 %	
Hydraulics		
Hydraulic pump type	Variable displacement pump	
Hydraulic flow	116 l/min	
•	275 bar	
Hydraulic Pressure	273 Dai	
Tank capacities		
Engine oil	111	
Hydraulic oil	1441	
Fuel tank	130	
Noise and vibration		
Noise at driving position (LpA)	68 dB	
Noise to environment (LwA)	106 dB	
Vibration to whole hand/arm	< 2.50 m/s²	
Miscellaneous		
Steering wheels (front / rear)	2/2	
Controls	2 Joysticks	
Safety cab homologation	ROPS - FOPS level 2 cab	
Attachment recognition system (E-Reco)	Standard	

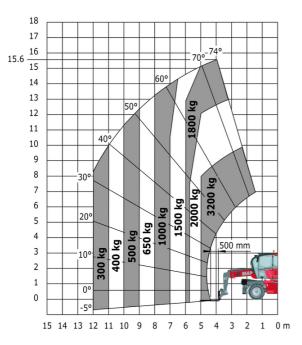
## MRT-X 1645 - Dimensional drawing



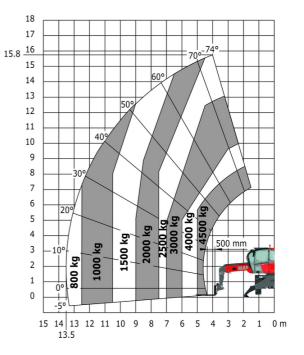
Other data		Metric
Length of frame	114	4.67 m
Wheelbase	у	2.43 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	12 °
Tilt-down angle	а5	105 °
Overall length at stabilisers	112	4.41 m
External turning radius (over tyres)	Wa1	3.92 m
Overall width with stabilisers extended	b7	4.01 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

### MRT-X 1645 - Load chart

#### Machine on tyres with forks Metric

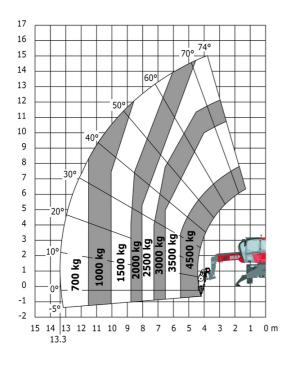


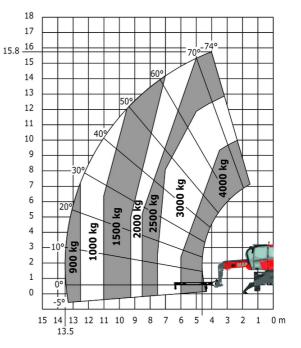
# Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with winch 5000 kg Metric

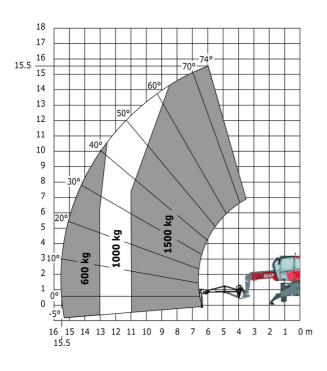
Machine on lowered stabilisers with 4000 kg jib (Metric)

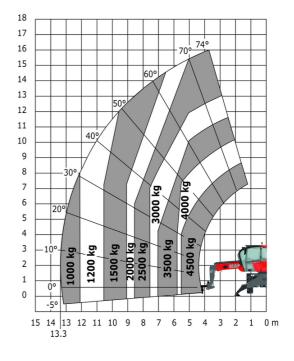




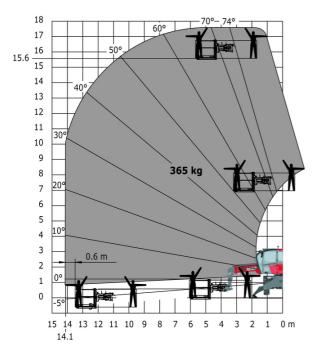
Machine on lowered stabilisers with 1500 kg jib with wincl (Metric)

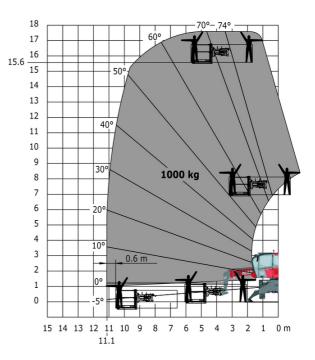
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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







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