Technical sheet :

# **MRT-X 1645**

VISION





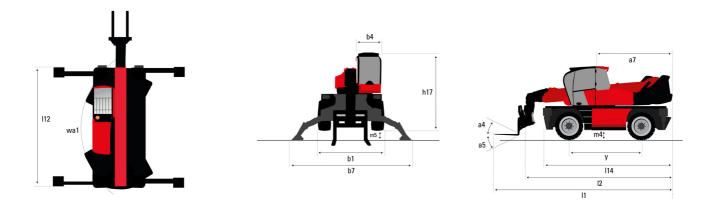
MRT-X 1645	Created	on August	1, 2025	at 6:0	9 PM	UTC
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	<b>MRT-X 1645</b> Created on August 1, 2025 at 6:09 PM L
Capacities	Metric
Max. capacity	4500 kg
Max. lifting height	15.80 m
Maximum outreach	13.50 m
Weight and dimensions	
Overall length (with 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 °
Turret rotation	400 °
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	
Stabilizers 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 & rear
	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	111
Fuel tank	130
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

Attachment recognition system (E-Reco)

ROPS - FOPS level 2 Standard

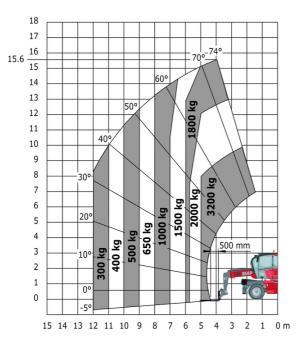
# MRT-X 1645 - Dimensional drawing



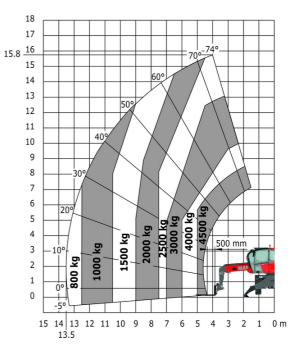
Other data		Metric
Length of frame	114	4.67 m
Wheelbase	у	2.43 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	12 °
Tilt-down angle	a5	105 °
Overall length at stabilisers	112	4.41 m
External turning radius (over tyres)	Wa1	3.92 m
Overall width with stabilisers 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 tires with forks Metric

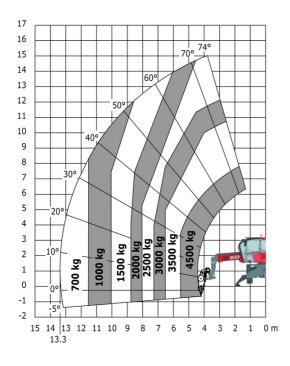


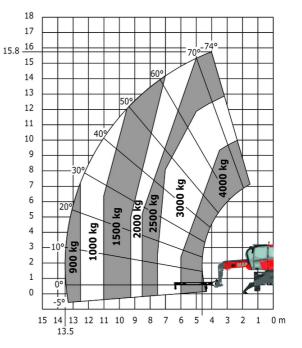
# Machine on lowered stabilisers with forks Metric



## Machine on lowered stabilisers with winch 5000 kg Metric

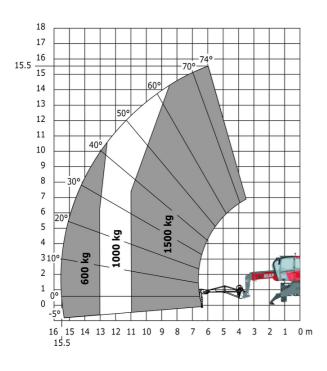
Machine on lowered stabilisers with 4000 kg jib (Metric)

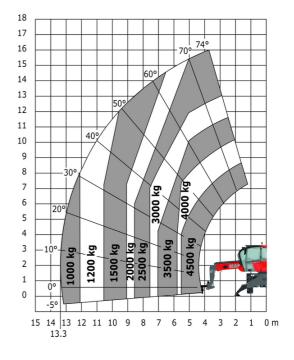




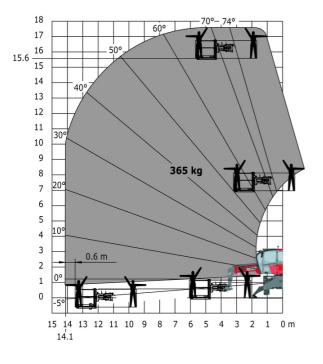
Machine on lowered stabilisers with 1500 kg jib with wincl (Metric)

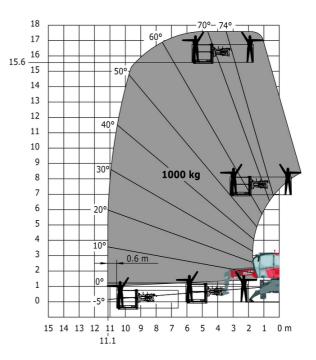
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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







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