

Technical sheet :

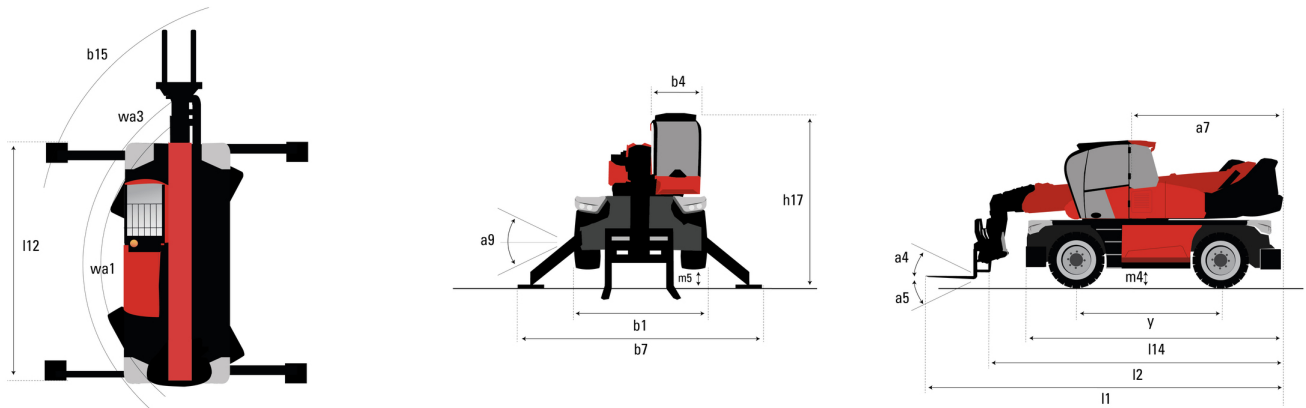
MRT-X 2145 EASY 400°



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		4500 kg	9921 lb
Max. lifting height		20.60 m	67 ft 7 in
Max. outreach		17.90 m	58 ft 9 in
Weight and dimensions			
Overall length (with forks)	l1	6.59 m	21 ft 7 in
Length to face of forks	l2	6.59 m	21 ft 7 in
Overall width	b1	2.50 m	8 ft 2 in
Overall height	h17	3.02 m	9 ft 11 in
Overall cab width	b4	0.95 m	3 ft 1 in
Outer frame turning radius	Wa3	3.60 m	11 ft 10 in
Ground clearance	m4	0.32 m	1 ft 1 in
Wheelbase	y	2.73 m	8 ft 11 in
Frame leveling longitudinal +/-		0 °	0 °
Tilt-up angle	a4	10 °	10 °
Tilt-down angle	a5	107 °	107 °
Overall weight		14530 kg	32033 lb
Forks length / width / section	l / e / s	1200 mm x 125 mm x 15 mm	47 in x 5 in x 0.59 in
Wheels			
Tires type		Pneumatic	Pneumatic
Standard tires		18-19,5	18-19,5
Drive wheels (front / rear)		2 / 2	2 / 2
Stabilisers			
Stabs Type		Wing Type	Wing Type
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Perkins	Perkins
Engine norm		Stage IIIA	Stage IIIA
Engine model		1104D-44T	1104D-44T
I.C. Engine power rating / Power / Engine rotation		101 Hp / 74.50 kW @ 1200 rpm	101 Hp / 74.50 kW @ 1200 rpm
Max. torque		392 Nm	289 ft/lbs
Number of cylinders - Capacity of cylinders		3400 - 4400 cm³	3400 - 269 in³
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Electric circuit			
Battery voltage		12 V	12 V
12V Battery capacity		120 Ah	120 Ah
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		37 km/h	23 mph
Drawbar pull		7900 daN	7900 daN
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Hydraulic	Hydraulic
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow		115 l/min	30 US gpm
Hydraulic Pressure		270 bar	3916 PSI
Hydraulic tank capacity		150 l	40 US gal
Tank capacities			
Engine oil		150 l	40 US gal
Hydraulic oil		150 l	40 US gal
Fuel tank		130 l	34 US gal
Noise and vibration			
Noise at driving position (LpA)		79.70 dB	79.70 dB
Noise to environment (LwA)		104 dB	104 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Attachment recognition system (E-Reco)		Standard	Standard

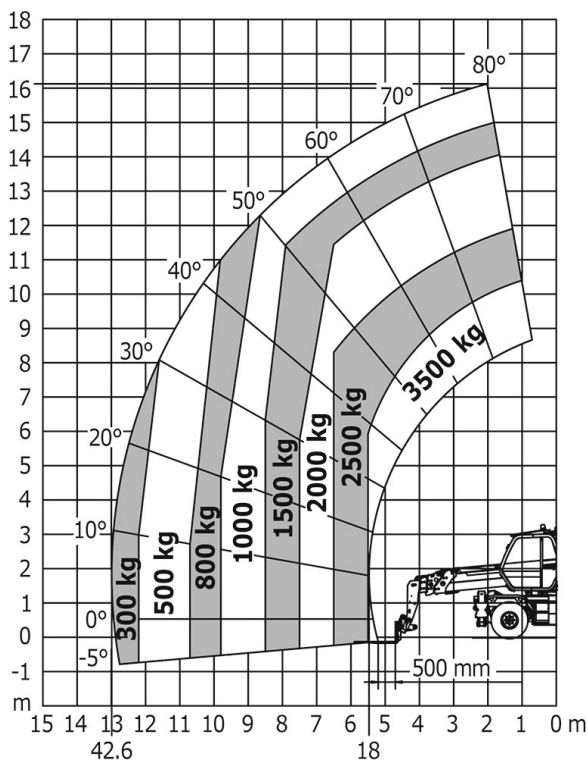
MRT-X 2145 Easy 400° - Dimensional drawing



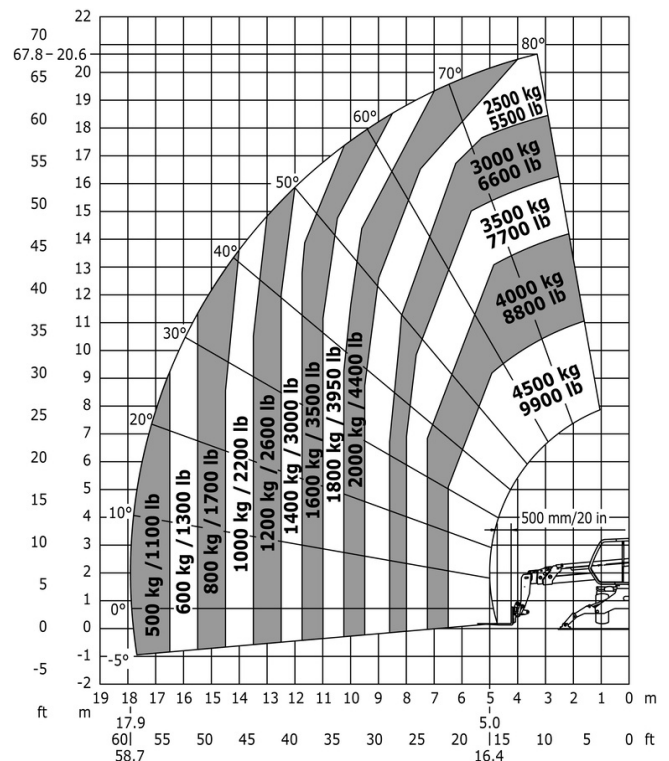
Other data		Metric	Imperial
Length of frame	$l14$	4.35 m	14 ft 3 in
Wheelbase	y	2.73 m	8 ft 11 in
Ground clearance	$m4$	0.32 m	1 ft 1 in
Counterweight offset (turret at 90°)	$a7$	2.70 m	8 ft 10 in
Tilt-up angle	$a4$	10 °	10 °
Tilt-down angle	$a5$	107 °	107 °
Overall length at stabilisers	$l12$	4.35 m	14 ft 3 in
Outer frame turning radius	$wa3$	3.60 m	11 ft 10 in
Outer turning radius (with forks)	$b15$	5.52 m	18 ft 1 in
Overall width with stabilisers extended	$b7$	4.98 m	16 ft 4 in
Overall height	$h17$	3.02 m	9 ft 11 in
Frame leveling corrector	$a9$	+/- 0 °	+/- 0 °

MRT-X 2145 Easy 400° - Load chart

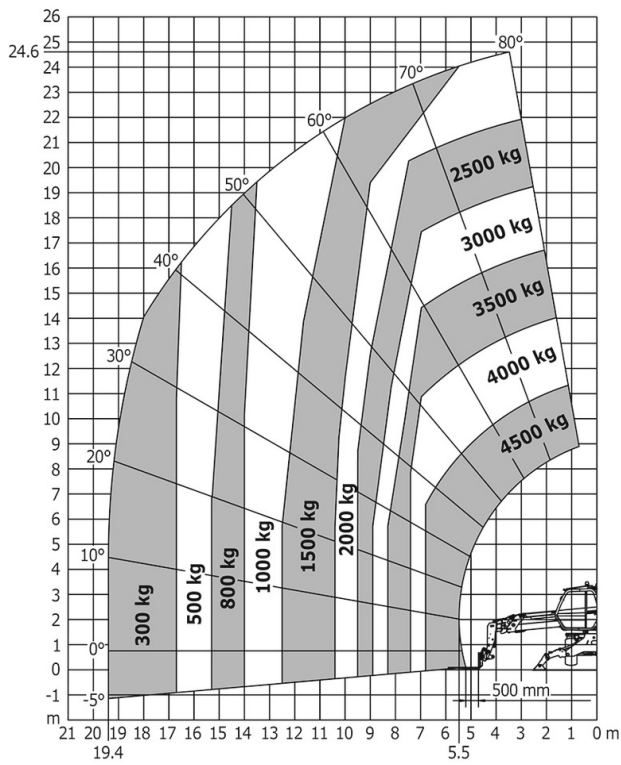
Machine on tyres with forks Metric



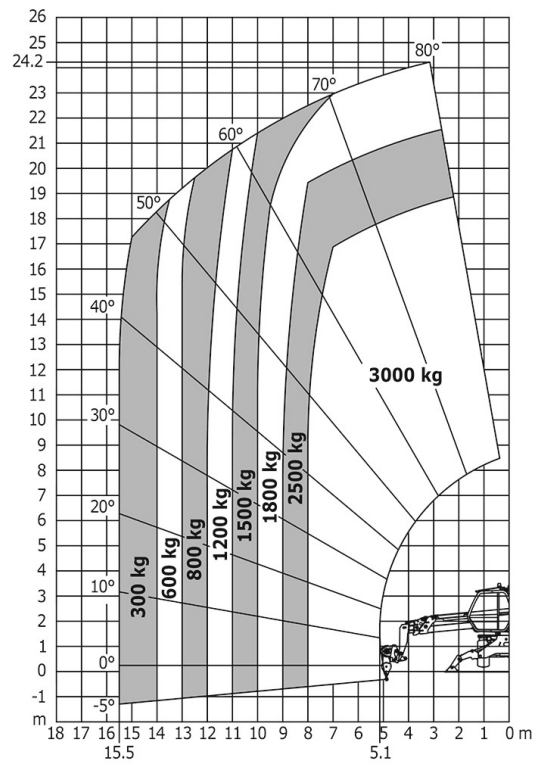
Machine on lowered stabilisers with forks Imperial



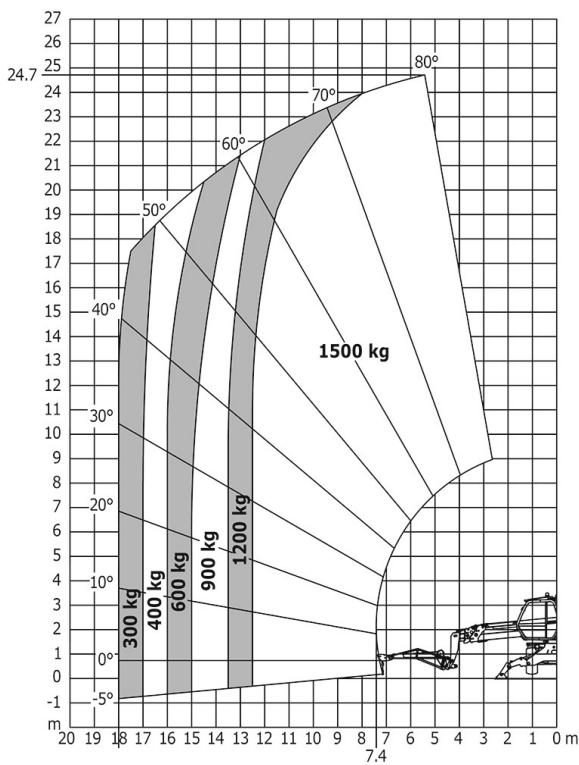
Machine on lowered stabilisers with forks Metric



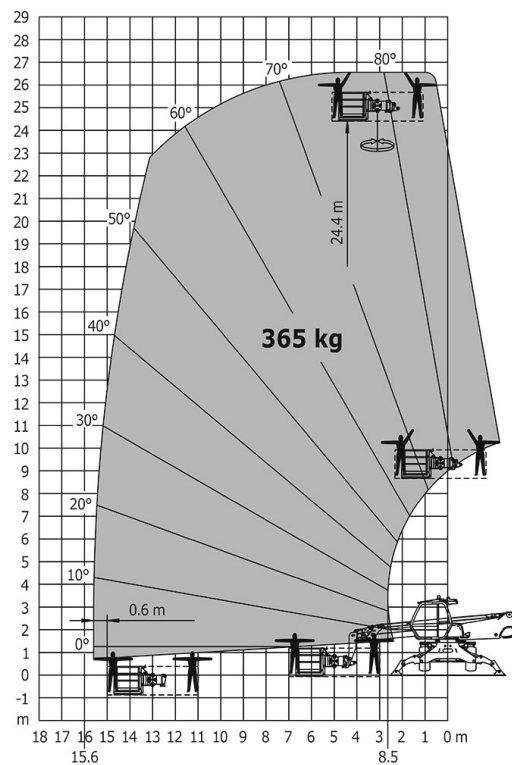
Machine on lowered stabilisers with winch 3000 kg Metric



Machine on lowered stabilisers with 1500 kg jib Metric



Machine on lowered stabilisers with 365 kg platform Metric



Machine on lowered stabilisers with 1000 kg platform

Metric





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