

Technical sheet :

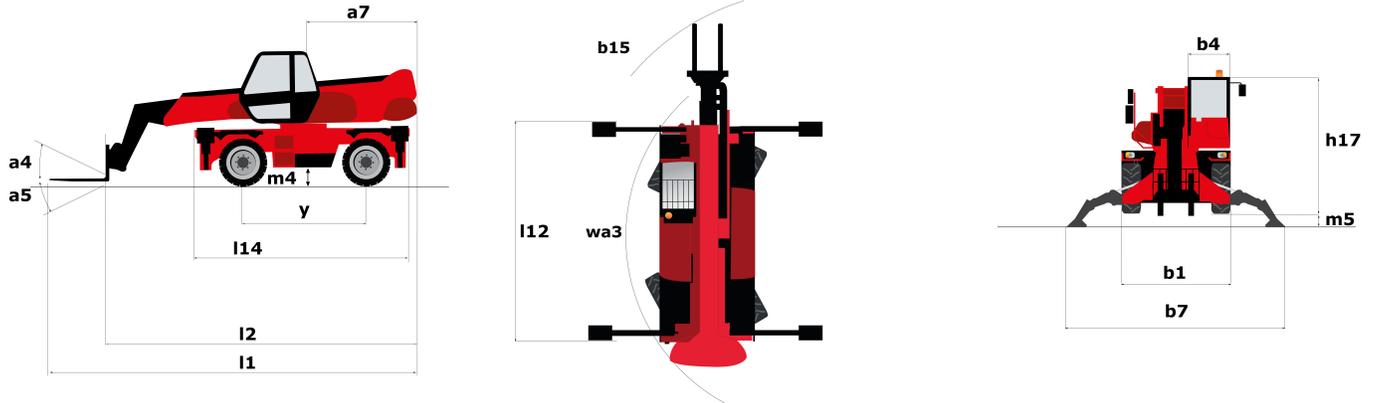
# **MRT 1840 EASY T4 S2 400°**

---



Capacities		Metric	Imperial
Max. capacity	Q	4000 kg	8818 lbs
Max. lifting height	h3	17.9 m	58 ft 9 in
Max. Reach	l4	15.1 m	49 ft 6 in
Weight and dimensions			
Overall width	b1	2.4 m	7 ft 10 in
Overall height	h17	2.97 m	9 ft 9 in
Overall cab width	b4	0.95 m	3 ft 1 in
Ground clearance	m4	0.34 m	1 ft 1 in
Wheelbase	y	2.32 m	7 ft 7 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Turret rotation		400 °	400 °
Overall weight		13670 kg	30137 lbs
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm	47.244 in x 4.921 in x 1.969 in
Wheels			
Standard tyres		405/70-20	405/70-20
Drive wheels (front / rear)		2 / 2	2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode	2 wheel steer, 4 wheel steer, Crab mode
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 3B / Tier IV Final	Stage 3B / Tier IV Final
Engine model		854 E-E 34 TA	854 E-E 34 TA
I.C. Engine power rating / Power (kW)		74 Hp / 55 kW	74 Hp / 55 kW
Max. torque / Engine rotation		424 Nm/m @ 1200 tr/min	424 Nm/m @ 1200 tr/min
Number of cylinders - Capacity of cylinders		4 - 3400 cm³	4 - 207.48 in³
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Battery / Batteries capacity		12 V / 120 Ah	12 V / 120 Ah
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed (may vary according to applicable regulations)		32 km/h	19.9 mph
Drawbar pull (Laden)		8600 daN	8600 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	115 l/min
Hydraulic Pressure		270 Bar	19 PSI
Tank capacities			
Engine oil		8.50 l	1.87 gal
Hydraulic oil		150 l	33 gal
Fuel tank		130 l	28.60 gal
Noise and vibration			
Noise at driving position (LpA)		79.7 dB(A)	79.7 dB(A)
Noise to environment (LwA)		104 dB(A)	104 dB(A)
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		Cab ROPS - FOPS Level 2	Cab ROPS - FOPS Level 2
Attachment recognition system (E-Reco)		Standard	Standard

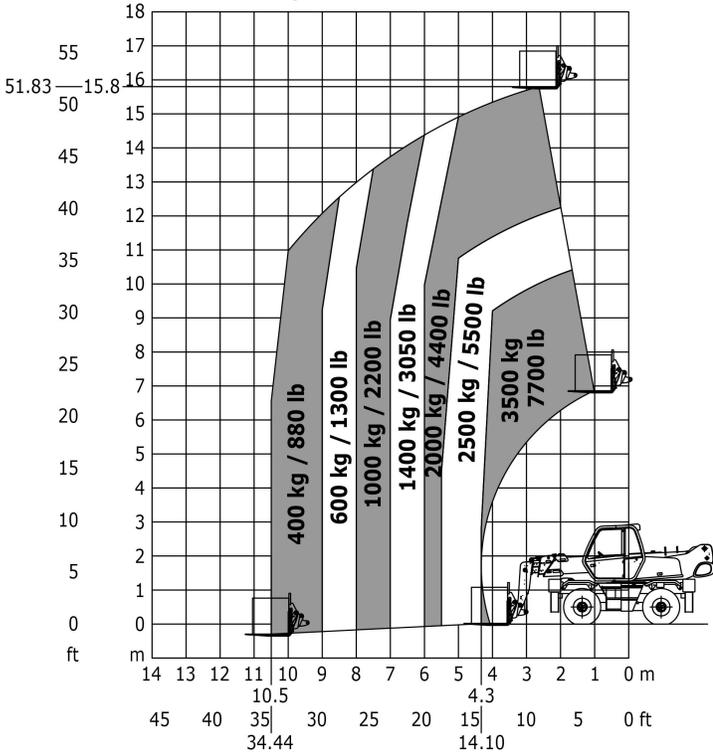
## Dimensional drawing



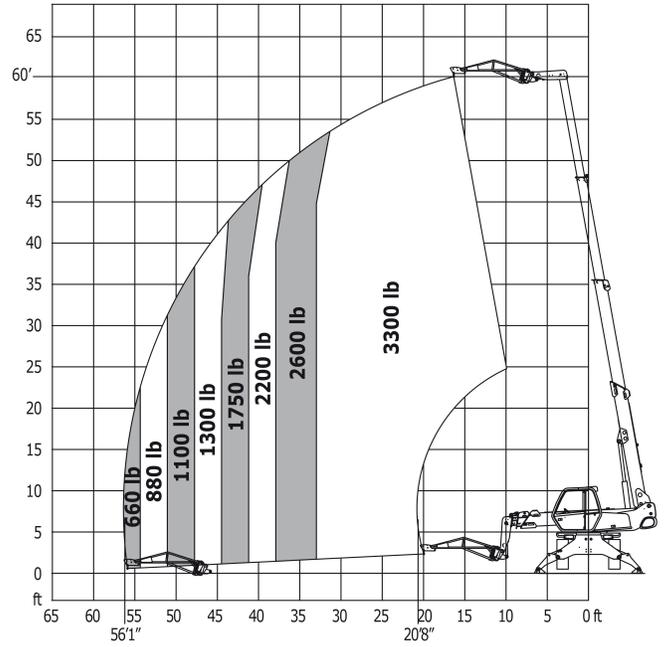
Other data		Metric	Imperial
Overall length (with forks)	l1	6.74 m	22 ft 1 in
Length to face of forks	l2	5.54 m	18 ft 2 in
Length of frame	l14	4.35 m	14 ft 3 in
Wheelbase	y	2.32 m	7 ft 7 in
Ground clearance	m4	0.34 m	1 ft 1 in
Counterweight offset (turret at 90°)	a7	2.49 m	8 ft 2 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Overall length at stabilisers	l12	4.3 m	14 ft 1 in
Outer turning radius (with forks)	b15	5.24 m	17 ft 2 in
Overall width	b1	2.4 m	7 ft 10 in
Overall width with stabilisers extended	b7	3.98 m	13 ft 1 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.97 m	9 ft 9 in
Ground clearance under front tires on stabilisers	m5	0.16 m	6 in

# Load chart

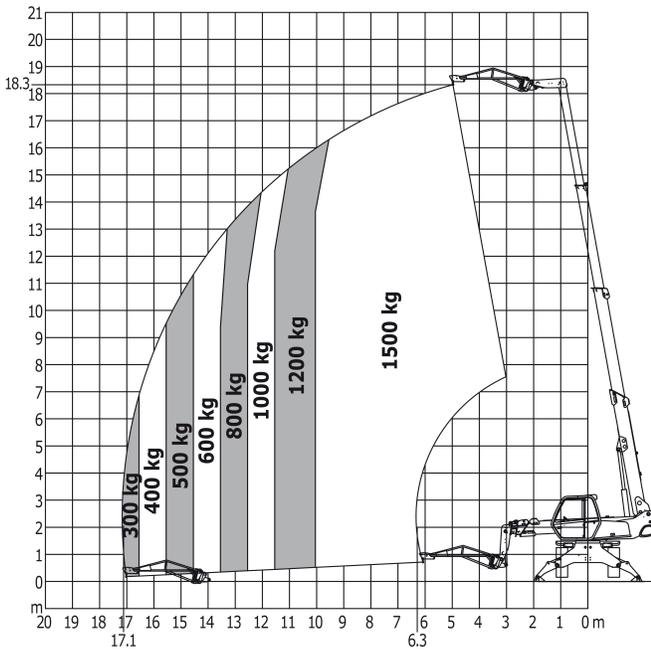
Machine on tyres with forks Metric



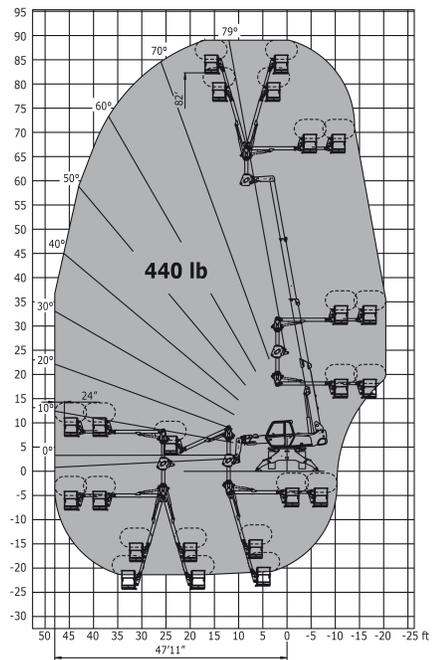
Rotation on lowered stabilisers with 1500 kg jib Imperial



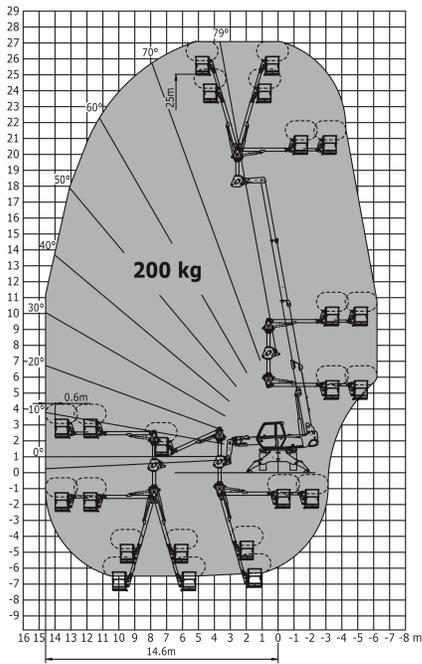
Rotation on lowered stabilisers with 1500 kg jib Metric



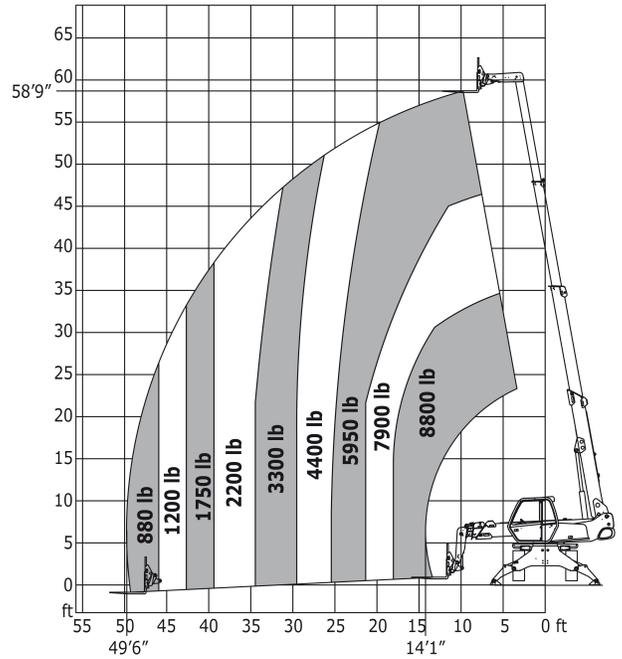
Rotation on lowered stabilisers with 3D positive / negative Imperial



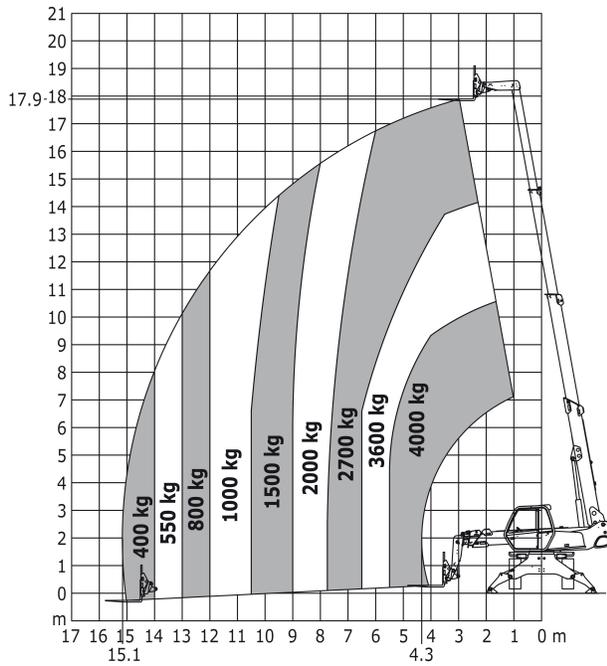
Rotation on lowered stabilisers with 3D positive / negative Metric



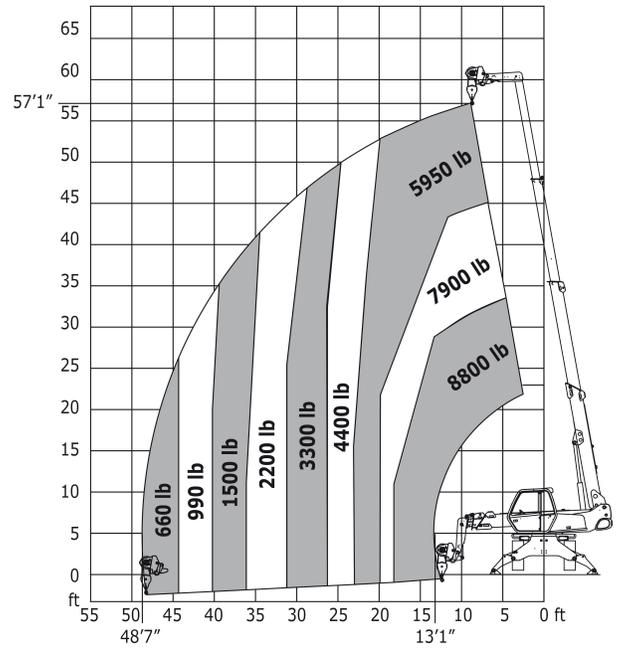
Rotation on lowered stabilisers with forks Imperial



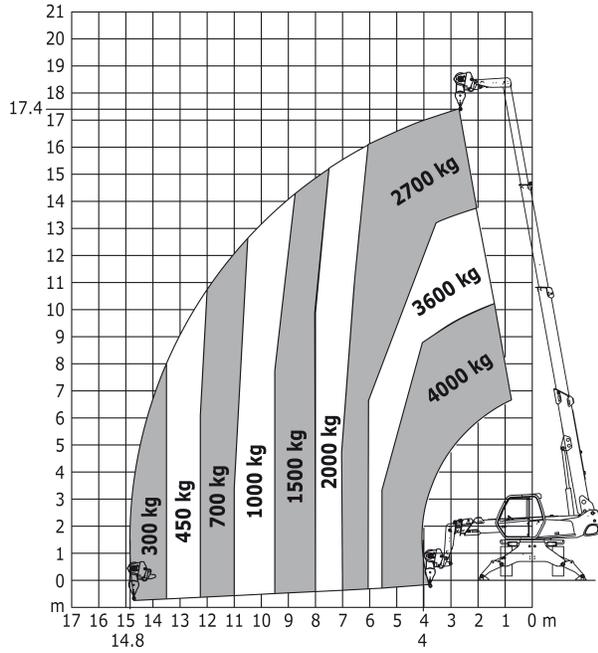
Rotation on lowered stabilisers with forks Metric



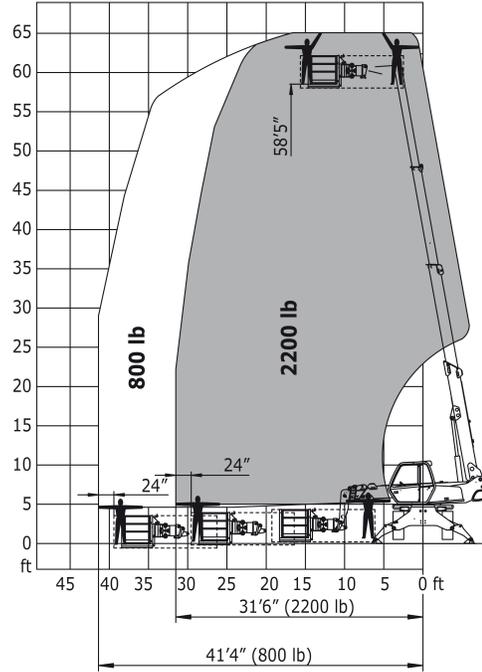
Rotation on lowered stabilisers with winch 5000 kg Imperial



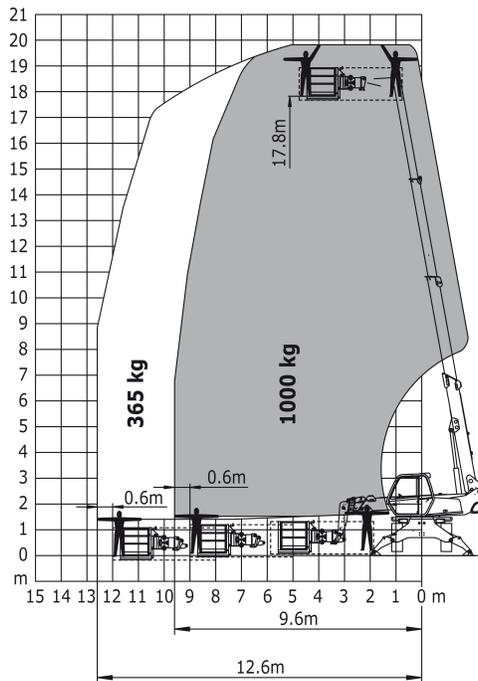
Rotation on lowered stabilisers with winch  
5000 kg Metric

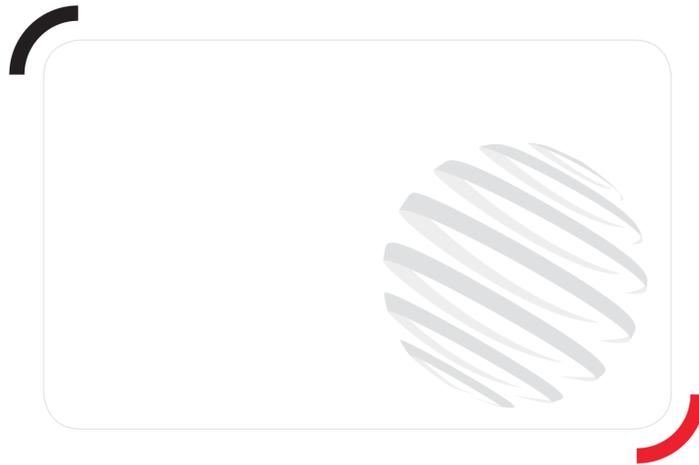


Rotation on lowered stabilisers with 365/1000  
kg platform Imperial



Rotation on lowered stabilisers with 365/1000  
kg platform Metric





Siège Social

430 rue de l'Aubinière - 44150 Ancenis Cedex - France

Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



This brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508  
RCS Nantes