

Technical sheet :

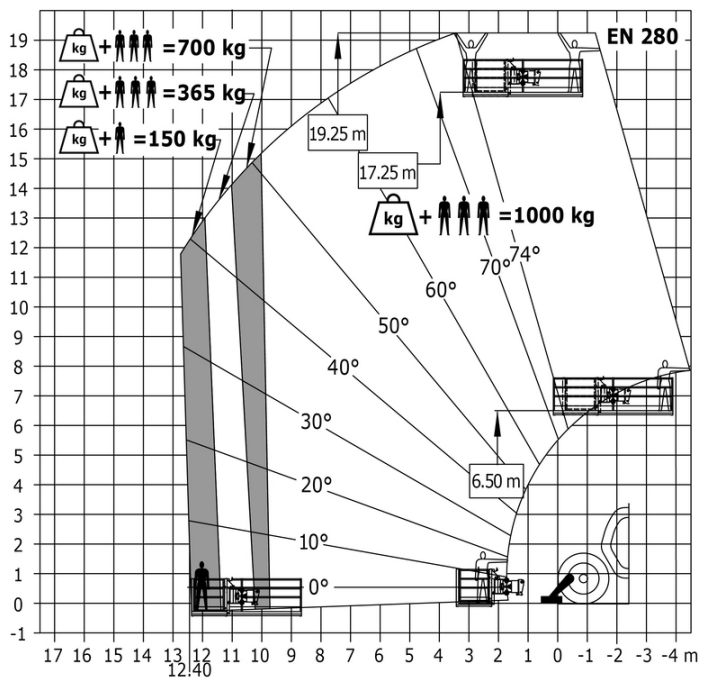
MT 1840 A 100D ST5 S1



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		4000 kg	8818 lb
Max. lifting height		17.55 m	57 ft 7 in
Max. outreach		13.08 m	42 ft 11 in
Breakout force with bucket		8391 daN	8391 daN
Weight and dimensions			
Overall length to carriage	l11	6.15 m	20 ft 2 in
Length to face of forks	l2	6.27 m	20 ft 7 in
Overall width	b1	2.36 m	7 ft 9 in
Overall height	h17	2.45 m	8 ft
Wheelbase	y	3.07 m	10 ft 1 in
Ground clearance	m4	0.37 m	1 ft 3 in
Overall cab width	b4	0.89 m	2 ft 11 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	114 °	114 °
External turning radius (over tyres)	Wa1	3.94 m	12 ft 11 in
Unladen weight (with forks)		12650 kg	27888 lb
Overall weight		12400 kg	27337 lb
Tires type		Pneumatic	Pneumatic
Standard tires		Alliance 400/80 - 24 - 162A8	Alliance 400/80 - 24 - 162A8
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm	47 in x 5 in x 2 in
Performances			
Lifting		14 s	14 s
Lowering		14 s	14 s
Extension		19 s	19 s
Retraction		15 s	15 s
Scoop		5 s	5 s
Dump		5 s	5 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V	Stage V
Engine model		TCD 3.6	TCD 3.6
Number of cylinders / Capacity of cylinders		4 - 3621 cm ³	4 - 221 in ³
I.C. Engine power rating - Power		100 Hp / 75 kW	100 Hp / 75 kW
Max. torque / Engine rotation		410 Nm @ 1600 rpm	302 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		8391 daN	8391 daN
Transmission			
Transmission type		Torque converter	Torque converter
Number of gears (forward / reverse)		4 / 4	4 / 4
Travel speed (laden)		25 km/h	16 mph
Max. travel speed		24.90 km/h	15 mph
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs on front & rear axles	Oil-immersed multi-discs on front & rear axles
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow / Pressure		167 l/min-270 bar	44 US gpm-3916 PSI
Tank capacities			
Engine oil		10 l	3 US gal
Hydraulic oil		135 l	36 US gal
Fuel tank		140 l	37 US gal
DEF tank capacity		22.60 l	6 US gal
Noise and vibration			
Noise at driving position (LpA)		79 dB	79 dB
Noise to environment (LwA)		106 dB	106 dB
Vibration on hands/arms		< 2.50 m/s ²	< 2.50 m/s ²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety cab homologation		Cabin ROPS - FOPS level 2	Cabin ROPS - FOPS level 2
Controls		JSM	JSM

Machine on stabilisers with Man basket Metric





Head Office

B.P. 249 - 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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

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