Technical sheet:

# **MT 1840 EASY ST5**

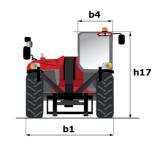


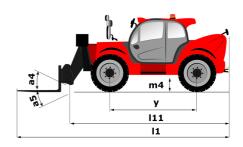


Axles			<b>MT 1840 EASY ST5</b> (1	eated on June 21, 2023 at 12:29:01 PM t
Max. Infrigaciphi(phi phight)   17.5 m   77.17 in   17.00 m   27.11 in   27.00 m   27.00 m   27.11 in   27.00 m	Capacities		Metric	Imperial
Max. Intropuls	Max. capacity		4000 kg	· · · · · · · · · · · · · · · · · · ·
Max. outwareh			17.55 m	57 ft 7 in
Personal floors with bucket   7400 delt				42 ft 11 in
11				
Length to face of forks	•	l11	6.15 m	20 ft 2 in
Devall width				
Distribution   Dist	-			
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           Tiltop angle         a4         16°         16°           Littleand tuming radius (over tyres)         Wal         3.94 m         12 ft 11 in           Unided neelight (with foks)         11710 kg         2.5816 lb           Overall weight         11710 kg         2.5816 lb           Tyres type         Pneumatic         Pneumatic           Foks tength width / section         I / e / s         1200 mm x 125 mm / 45 mm         4 liance 400/90 · 24 · 162A8           Close the standard tyrus         Alliance 400/90 · 24 · 162A8         Alliance 400/90 · 24 · 162A8         Alliance 400/90 · 24 · 162A8           Close the standard tyrus         All 200 mm x 125 mm / 45 mm         4 liance 400/90 · 24 · 162A8         Alliance 400/90 · 24 · 162A8           Close the standard tyrus         17 / 50 s         17 / 50 s         17 / 50 s         17 / 50 s           Evidential of the standard tyrus         13 / 10 s         15 / 60 s         16 / 60 s </td <td></td> <td></td> <td></td> <td></td>				
Count of clarance	-			
Desert   Cale width				
Tilk up angle a4 16 ° 115 ° Tilk down angle a5 110 ° 110 ° Tilk down angle a5 110 ° Tilk down angle a5 110 ° Tilk down angle a1 1710 kg 10 25816 th 11710 kg				
Till down angle				
External funding radius (over tyres)   Wa1   3.94 m   112 ft 11 in Unidade weight (with foxks)   11710 kg   25816 ib				
Unlader weight (with forks)   11710 kg   25816 fb   2				
1770 kg   Patentalic   Patent		waı		
Preumatic   Preumatic   Preumatic   Standard yres   Alliance 400/80 - 24 - 162A8   Alliance				
Alliance 400/80 - 24 - 162A8	·			
Deformances				
Lifting   17.50 s   17.5		I/e/s	1200 mm x 125 mm / 45 mm	47 in x 5 in / 2 in
Lowering         13.10 s         13.10 s           Extension         16.50 s         16.50 s           Breataction         16.60 s         16.60 s           Crowd         4.80 s         4.80 s           Dump         4.20 s         4.20 s           Engine         Bergan         Bergan           Engine brand         Deutz         Deutz           Engine norm         Stage V / Tier 4 final         Stage V / Tier 4 final           Ic. Engine power fating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55 kW           Number of cylinders / Capacity of cylinders         4 - 3621 cm²         4 - 221 in²           I.C. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55 kW           Max. torque / Engine rotation         340 Nm @ 1600 pm         251 fl/bs @ 1600 pm           Drawler pull (Laden)         8200 daN         8200 daN           Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. tavel speed         24.90 km/h         15 mi/h           Advisuality parke         Automatic parking brake         Automatic parking brake           Service brake         01-immersed multi-discs braking on front & rear ax/les				
Extension         16.50 s         16.50 s           Retraction         16.60 s         16.60 s           Crowd         4.80 s         4.80 s           Dump         4.20 s         4.20 s           Engine         Better         Concept           Engine brand         Deutz         Deutz           Engine model         TD 3.6 L         TD 3.6 L         TD 3.6 L           Number of cylinders (Capacity of cylinders         4.3621 cm³         4.221 in²         4.221 in²           1C. Engine power rating - Power (KW)         7.5 Hp / 55.40 kW         8320 daN         8320 daN         8320 daN         8320 daN         8320 daN         8320 daN         7.5 Hp / 55.40 kW         8320 daN         7.5 Hp / 55 kW         4.4 4         4.4 4         4.4 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4         4.7 4 <t< td=""><td>Lifting</td><td></td><td></td><td></td></t<>	Lifting			
Retraction         16.60 s         16.60 s           Crowd         4.80 s         4.80 s           Dump         4.20 s         4.20 s           Engine         4.20 s         4.20 s           Engine brand         Deutz         Deutz           Engine model         1D 3.6 L         1D 3.6 L           Number of cylinders / Capacity of cylinders         4.3621 cm²         4.221 in²           I.C. Engine power rating - Power (kW)         75 Hy /55 kW         75 Hy /55 kW           Max. torque / Engine rotation         340 Nm @ 1600 pm         251 fVlbs @ 1600 pm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission         8320 daN         8320 daN           Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         24.90 km/h         15 m/h           Service brake         01-immersed multi-discs braking on front & rear axies         01-immersed multi-discs braking on front & rear axies           Hydraulics         6         6         01-immersed multi-discs braking on front & rear axies           Hydraulic pump type         Gear pump         Gear pump         Gear pump           Hydraulic low	Lowering		13.10 s	13.10 s
Crowd         4.80 s         4.80 s           Dump         4.20 s         4.20 s           Engine         Better         Common           Engine brand         Deutz         Deutz           Engine nome         Stage V / Tier 4 final         Stage V / Tier 4 final           Unimode of Cylinders / Capacity of cylinders         4 - 3621 cm²         4 - 221 in²           LC. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55.40 kW           Max. torque / Engine rotation         330 dNn @ 1600 rpm         251 ft/lbs @ 1600 rpm           Drawbar pull (Laden)         8320 daN         8320 daN           Tansmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         <	Extension		16.50 s	16.50 s
Dump         4.20 s         4.20 s           Engine         Cengine         Cengine           Engine brand         Deutz         Deutz           Engine model         \$\$15age V/ Tier 4 final         \$\$15age V/ Tier 4 final           Engine model         TD 3.6 L         TD 3.6 L           Number of cylinders / Capacity of cylinders         4 - 3621 cm²         4 - 221 n³           L.C. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55.40 kW           Max. torque / Engine rotation         340 Nm @ 1600 rpm         251 ft/bs @ 1600 pm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Number of gears (forward / reverse)         4 / 4         4 / 4           Number of gears (forward / reverse)         4 / 4         4 / 4           Number of gears (forward / reverse)         4 / 4         4 / 4           Number of gears (forward / reverse)         Automatic parking brake         Automatic parking brake           Service brake         Automatic parking brake         Automatic parking brake           Nervice brake         Gear pump         Gear pump           Hydrauli	Retraction		16.60 s	16.60 s
Engine Name         Deutz	Crowd		4.80 s	4.80 s
Engine brand         Deutz         Deutz           Engine norm         Stage V / Tier 4 final         Stage V / Tier 4 final           Longine model         TD 3.6 L         TD 3.6 L           Number of cylinders / Capacity of cylinders         4 - 3621 cm³         4 - 221 in³           Lo. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55.4W           Max. torque / Engine rotation         340 Nm @ 1600 pm         251 ft/lbs @ 1600 pm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         Automatic parking brake         Automatic parking brake           Service brake         Oil-immersed multi-discs braking on front & rear axles         Oil-immersed multi-discs braking on front & rear axles           Hydraulic pump type         Gear pump         Gear pump           Hydraulic flow / Pressure         170 l/min-270 bar         45 Us gpm-3916 Psl           Tank capacities         7,50 I         2 Us gal           Fuglia toli         135 I         36 Us gal           Hydraulic oil         135 I         36 Us gal           Fuel tank         140 I         37 Us gal </td <td>Dump</td> <td><u> </u></td> <td>4.20 s</td> <td>4.20 s</td>	Dump	<u> </u>	4.20 s	4.20 s
Engine norm         Stage V / Tier 4 final         Stage V / Tier 4 final           Engine model         TD 3.6 L         TD 3.6 L           Number of cylinders / Capacity of cylinders         4 - 3621 cm²         4 - 221 in²           LC. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55.40 kW           Max. torque / Engine rotation         340 Nm @ 1600 rpm         251 ft/lbs @ 1600 rpm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission         Torque converter         7 Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. tavel speed         A Understage parking brake         Automatic parking brake           Service brake         A Understage parking brake         Automatic parking brake           Hydraulic pump type         Gear pump         Gear pump           Hydraulic pump type         Gear pump         Gear pump           Hydraulic flow / Pressure         7.501         2 Us gal           Tank capacities         1351         36 US gal           Fugle tank         140 In         37 US gal           Hydraulic oil         135 In         36 US gal           Fuel tank         140 I         37 US gal           Noise and driving position (	Engine			
Engine model         TD 3.6 L         TD 3.6 L           Number of cylinders / Capacity of cylinders         4 - 3621 cm³         4 - 221 in³           L.C. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55.40 kW           Max. torque / Engine rotation         340 Nm @ 1600 rpm         251 ft/lbs @ 1600 rpm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         24.90 km/h         15 mi/h           Parking brake         Automatic parking brake         Automatic parking brake           Service brake         Oil-immersed multi-discs braking on front & rear and least and	Engine brand		Deutz	Deutz
Number of cylinders / Capacity of cylinders         4 - 3621 cm³         4 - 221 in³           L.C. Engine power rating - Power (kW)         75 Hp / 55.40 kW         75 Hp / 55 kW           Max. torque / Engine rotation         340 Nm @ 1600 rpm         251 ft/lbs @ 1600 rpm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission Vpe         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         4 / 4         4 / 4           Parking brake         Automatic parking brake         Automatic parking brake           Service brake         0il-immersed multi-discs braking on front & rear axiles         0il-immersed multi-discs braking on front & rear axiles           Hydraulics         Gear pump         Gear pump           Hydraulic flow / Pressure         170 l/min-270 bar         45 Us ggm-3916 PSI           Tank capacities         170 l/min-270 bar         45 Us ggm-3916 PSI           Engine oil         7.50 l         2 US gal           Hydraulic oil         135 l         36 US gal           Fuel tank         140 l         37 US gal           Noise and vibration         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB <td>Engine norm</td> <td></td> <td>Stage V / Tier 4 final</td> <td>Stage V / Tier 4 final</td>	Engine norm		Stage V / Tier 4 final	Stage V / Tier 4 final
L.C. Engine power rating - Power (kW)       75 Hp / 55 kW       75 Hp / 55 kW W       75 Hp / 55 kW       15 Hp / 55 kW       Max. torque / Engine rotation       340 Nm @ 1600 rpm       251 ft/lbs @ 1500 rpm	Engine model		TD 3.6 L	TD 3.6 L
Max. torque / Engine rotation         340 Nm @ 1600 rpm         251 ft/lbs @ 1600 rpm           Drawbar pull (Laden)         8320 daN         8320 daN           Transmission           Unumber of gears (forward / reverse)         Torque converter         Torque converter           Max. travel speed         4 / 4         4 / 4         4 / 4           Max. travel speed         Automatic parking brake         Automatic parking brake         Automatic parking brake         Automatic parking brake         Oil-immersed multi-discs braking on front & rear ax/les         Oil-immer	Number of cylinders / Capacity of cylinders		4 - 3621 cm <sup>3</sup>	4 - 221 in³
Drawbar pull (Laden)         8320 daN         8320 daN           Transmission         Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4         4 / 4           Max. travel speed         24.90 km/h         15 mi/h         15 mi/h           Parking brake         Automatic parking brake         Automatic parking brake         Automatic parking brake         Oil-immersed multi-discs braking on front & rear axles         Oil-immersed multi-discs braking on fro	I.C. Engine power rating - Power (kW)		75 Hp / 55.40 kW	75 Hp / 55 kW
Transmission     Torque converter     Torque converter       Number of gears (forward / reverse)     4 / 4     4 / 4       Max. tavel speed     24.90 km/h     15 mi/h       Parking brake     Automatic parking brake     Automatic parking brake       Service brake     Oil-immersed multi-discs braking on front & rear axles     Oil-immersed multi-discs braking on front & rear axles       Hydraulics     Gear pump     Gear pump       Hydraulic flow / Pressure     170 l/min-270 bar     45 US gpm-3916 PSI       Tank capacities     7.50 l     2 US gal       Engine oil     7.50 l     2 US gal       Hydraulic oil     135 l     36 US gal       Fuel tank     140 l     37 US gal       Noise and vibration     79 dB     79 dB       Noise to environment (LwA)     102 dB     102 dB       Vibration on hands/arms     < 2.50 m/s²	Max. torque / Engine rotation		340 Nm @ 1600 rpm	251 ft/lbs @ 1600 rpm
Transmission type         Torque converter         Torque converter           Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         24.90 km/h         15 mi/h           Parking brake         Automatic parking brake         Automatic parking brake           Service brake         Oil-immersed multi-discs braking on front & rear axles         Oil-immersed multi-discs braking on front & rear axles           Hydraulics         Gear pump         Gear pump           Hydraulic flow / Pressure         170 l/min-270 bar         45 US gpm-3916 PSI           Tank capacities         175 I         2 US gal           Engine oil         7.50 I         2 US gal           Hydraulic oil         135 I         36 US gal           Fuel tank         140 I         37 US gal           Noise and vibration         79 dB         79 dB           Noise at driving position (LpA)         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²	Drawbar pull (Laden)		8320 daN	8320 daN
Number of gears (forward / reverse)         4 / 4         4 / 4           Max. travel speed         24.90 km/h         15 mi/h           Parking brake         Automatic parking brake         Automatic parking brake           Service brake         Oil-immersed multi-discs braking on front & rear axles         Oil-immersed multi-discs braking on front & rear axles           Hydraulics         Gear pump         Gear pump           Hydraulic flow / Pressure         170 l/min-270 bar         45 US gpm-3916 PSI           Tank capacities         Tank capacities </td <td>Transmission</td> <td></td> <td></td> <td></td>	Transmission			
Max. travel speed         24.90 km/h         15 mi/h           Parking brake         Automatic parking brake         Automatic parking brake           Service brake         Oil-immersed multi-discs braking on front & rear axles         Oil-immersed multi-discs braking on front & rear axles           Hydraulics         Gear pump         Gear pump           Hydraulic flow / Pressure         170 l/min-270 bar         45 US gpm-3916 PSI           Tank capacities         Tank capacities         2 US gal           Engine oil         7.50 l         2 US gal           Hydraulic oil         135 l         36 US gal           Fuel tank         140 l         37 US gal           Noise and vibration         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         4 2.50 m/s²         4 2.50 m/s²	Transmission type		Torque converter	Torque converter
Parking brake Automatic parking brake Oil-immersed multi-discs braking on front & rear axles  Hydraulics Hydraulic pump type Hydraulic flow / Pressure Tank capacities Engine oil Hydraulic oil Fuel tank Noise ard driving position (LpA) Noise to environment (LwA) Vibration on hands/arms  Automatic parking brake Oil-immersed multi-discs braking on front & rear axles  Begine front & Gear pump A5 US gpm-3916 PSI TON (Jmin-270 bar Gear pump A5 US gpm-3916 PSI TON (Jmin-270 bar Gear pump A5 US gpm-3916 PSI A5 US gpl A5 US gal A5 US gal A7 US gal A	Number of gears (forward / reverse)		4 / 4	4 / 4
Parking brake Automatic parking brake Oil-immersed multi-discs braking on front & rear axles  Hydraulics Hydraulic pump type Hydraulic flow / Pressure Tank capacities Engine oil Hydraulic oil Hydraulic oil Fuel tank Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Vibration on hands/arms  Automatic parking brake Oil-immersed multi-discs braking on front & rear axles  Automatic parking brake Oil-immersed multi-discs braking on front & rear axles  Oil-immersed multi-discs braking on front & rear axles  Gear pump Gear pump Hydraulic flow / Pressure 170 I/min-270 bar 45 US gpm-3916 PSI 45 US gpm-3916 PSI 45 US gpal 45 US gpm-3916 PSI 45 US gpal 45	Max. travel speed		24.90 km/h	15 mi/h
Service brake Oil-immersed multi-discs braking on front & rear axles Oil-immersed multi-discs braking on front & sales Oil-immersed multi-discs braking on front & sales Oil-immersed multi-discs Disch			Automatic parking brake	Automatic parking brake
Mydraulic   Mydr	•		, ,	Oil-immersed multi-discs braking on front & rea
Hydraulic pump type         Gear pump         Gear pump           Hydraulic flow / Pressure         170 I/min-270 bar         45 US gpm-3916 PSI           Tank capacities         Strain capacities         Strain capacities           Engine oil         7.50 I         2 US gal           Hydraulic oil         135 I         36 US gal           Fuel tank         140 I         37 US gal           Noise and vibration         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²         < 2.50 m/s²				
Hydraulic flow / Pressure     170 I/min-270 bar     45 US gpm-3916 PSI       Tank capacities     Semantic particles       Engine oil     7.50 I     2 US gal       Hydraulic oil     135 I     36 US gal       Fuel tank     140 I     37 US gal       Noise and vibration     79 dB     79 dB       Noise to environment (LwA)     102 dB     102 dB       Vibration on hands/arms     < 2.50 m/s²     < 2.50 m/s²	Hydraulics			
Tank capacities         Engine oil       7.50 l       2 US gal         Hydraulic oil       135 l       36 US gal         Fuel tank       140 l       37 US gal         Noise and vibration         Noise at driving position (LpA)       79 dB       79 dB         Noise to environment (LwA)       102 dB       102 dB         Vibration on hands/arms       < 2.50 m/s²	Hydraulic pump type		Gear pump	Gear pump
Engine oil     7.50 I     2 US gal       Hydraulic oil     135 I     36 US gal       Fuel tank     140 I     37 US gal       Noise and vibration       Noise at driving position (LpA)     79 dB     79 dB       Noise to environment (LwA)     102 dB     102 dB       Vibration on hands/arms     < 2.50 m/s²	•		170 l/min-270 bar	45 US gpm-3916 PSI
Hydraulic oil     135 l     36 US gal       Fuel tank     140 l     37 US gal       Noise and vibration       Noise at driving position (LpA)     79 dB     79 dB       Noise to environment (LwA)     102 dB     102 dB       Vibration on hands/arms     < 2.50 m/s²	Tank capacities			
Fuel tank         140 I         37 US gal           Noise and vibration         37 US gal           Noise at driving position (LpA)         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²         < 2.50 m/s²	Engine oil		7.50 I	2 US gal
Noise and vibration         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²	Hydraulic oil		135 I	36 US gal
Noise at driving position (LpA)         79 dB         79 dB           Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²	Fuel tank		140 l	37 US gal
Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²	Noise and vibration			
Noise to environment (LwA)         102 dB         102 dB           Vibration on hands/arms         < 2.50 m/s²	Noise at driving position (LpA)		79 dB	79 dB
Vibration on hands/arms < 2.50 m/s <sup>2</sup> < 2.50 m/s <sup>2</sup>			102 dB	102 dB
Miscellaneous				
Steering wheels (front / rear) 2 / 2 2 / 2			2/2	2 / 2
Drive wheels (front / rear) 2 / 2 2 / 2				
. ,	. ,			Standard EN 15000 / Cabin ROPS - FOPS Level 2
Controls JSM JSM				

# MT 1840 easy ST5 - Dimensional drawing

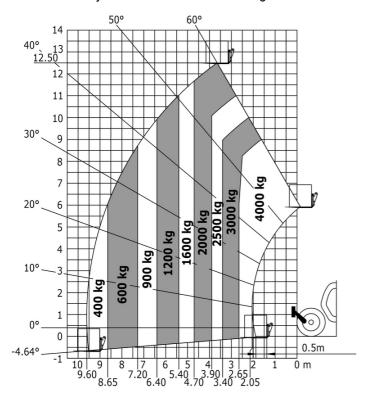




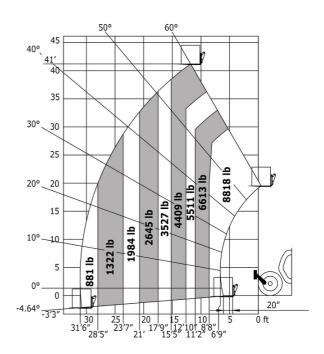


## MT 1840 easy ST5 - Load chart

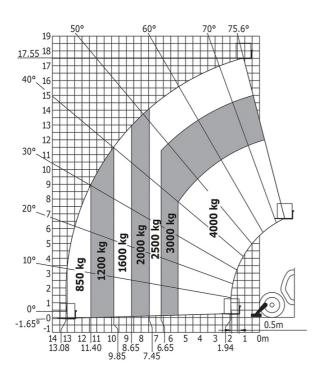
### Machine on tyres with forks - with levelling device Metric



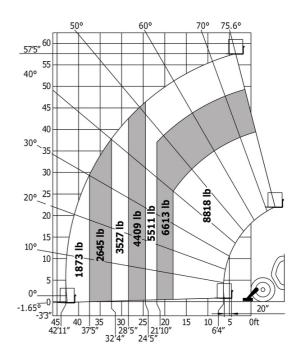
#### Machine on tyres with forks Imperial



#### Machine on lowered stabilisers with forks Metric



### Machine on lowered stabilisers with forks Imperial







#### **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