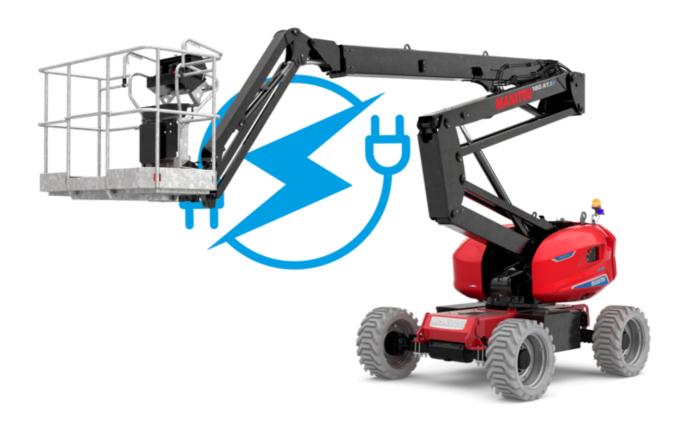
Technical sheet:

# 180 ATJ **E**





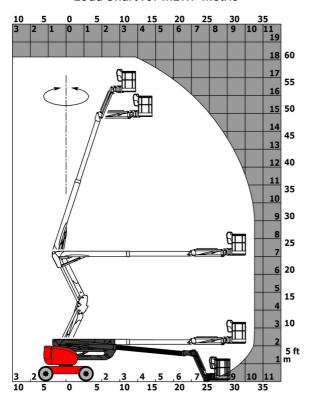


inciding height filt from height hild in from height hild in from height hild inform height hild inform height hild inform height hild in hild		180 ATS E OICUL	ed on becember 2, 2023 at 0.00 i wio
Inform   Inform   Inform   Inform   Inform   Inform   Information   In	Capacities		Metric
Sammon motasch	Working height	h21	18.19 m
websage         7.48 m           wondular am rotation (left / ejeht)         90 ' / 90 '           wondular am rotation (lept / bettern)         468 " / 59.50 "           selform capacity         0           use for control in the control of pint / left)         330 "           selform webpit / left         2.22           selform webpit / left         1,9 / ep         1.80 m x 0.76 m           lasform webpit / lest         1,1 / 7.51 m         1.75 m           weezell width         1,1 / 7.51 m         1.75 m           weezell length (stowed)         1,9 / p         1.80 m x 0.76 m           weezell length (stowed)         1,9 / p         1.80 m x 0.76 m           weezell length (stowed)         1,9 / p         5.43 m           weezell length (stowed)         1,9 / p         5.43 m           weezell length (stowed)         1,1 / 7.5 m         2.2 m           weezell length (stowed)         1,1 / 7.5 m         2.2 m           weezell length (stowed)         1,1 / 7.5 m         2.2 m           web percent length (stowed)         1,2 / 2.3 m         0.0 m           web percent length (stowed)         2,2 / 2.3 m         0.0 m           web percent length (stowed)         2,2 / 2.0 m         0.0 m           web percent length	Platform height	h7	16.19 m
windlase am motation (top / bottom)         465 * 7-95.5° *           fatform capacity         Q         250 kg           latform capacity         Q         250 kg           uncer totation         90 * 790 *           stafform capacity         Q         250 kg           unched propose (indoor / outdoor)         2 / 2           latform weight*         50 kg         150 kg           latform weight*         167 cg         180 m xo 76 m           latform weight*         162 gg         0.45 m           latform weight*         161 gg         0.43 m           latform weight*         161 gg         0.43 m           latform weight*         161 gg         0.43 m           latform weight*         2.23 m         0.40 m           latform weight*         2.23 m	Maximum outreach		10.33 m
windlase am motation (top / bottom)         465 * 7-95.5° *           fatform capacity         Q         250 kg           latform capacity         Q         250 kg           uncer totation         90 * 790 *           stafform capacity         Q         250 kg           unched propose (indoor / outdoor)         2 / 2           latform weight*         50 kg         150 kg           latform weight*         167 cg         180 m xo 76 m           latform weight*         162 gg         0.45 m           latform weight*         161 gg         0.43 m           latform weight*         161 gg         0.43 m           latform weight*         161 gg         0.43 m           latform weight*         2.23 m         0.40 m           latform weight*         2.23 m	Overhang		
##5 * / - 95.00 * ##5 # 1 - 95.00 kg  ##5 # 1	•		
18   18   18   18   18   18   18   18			
unter totation         330°           tation mentation (right / left)         90° / 90°           uniform contain (right / left)         2 / 2           eight and dimensions         7550 kg           tatform midmensions (length x width)         Ip / ep         1.80 m. x 0.76 m           too height) (access)         20         0.45 m           vecall length         It         7.51 m           vecall length         It         7.51 m           vecall length (stowed)         It         2.48 m           vecall length (stowed)         It         3.43 m           vecall length (stowed)         It         3.75 m           vector (length end of wheelbase         Im         0.70 km/h           vector (length end of wheelbase         It         3.50 km/h           vi	,	0	
Seal		ď	-
Lumber of people (Indoor / outdoor)			
Table   Tabl			272
fatform dimensions (length x width)         Ip / ep         1.80 m x 0.76 m           look height (access)         h20         0.45 m           verall well width         b1         7.51 m           verall height         b1         2.32 m           verall height         h17         2.48 m           verall height (stowed)         ip 9         5.43 m           verall height (stowed)         ip 9         5.43 m           verall height (stowed)         ip 7         0.40 m           counterweight offset (furter at 90°)         a7         0.40 m           counterweight Oversize / Reach         wa3         3.75 m           counterweight Oversize / Reach         wa3         3.75 m           mound clearance at center of wheelbase         m2         0.40 m           metheelbase         y         2.30 m         v           view paed - slowed         5.30 km/h         6.70 km/h           rice speed - raised         5.30 km/h         6.70 km/h           rice speed - raised         9         4.5%           rice speed         Foam Filled Non Marking         5.7           rice speed         Foam Filled Non Marking         914 x 381 mm / 36x150x10           rice speed         Foam Filled Non Marking	<u> </u>		
1001 height (access)   h20	•		*
11			
Nerall width	Floor height (access)	h20	0.45 m
Nerall height   Nerall height   Nerall height (stowed)   19   3.43 m	Overall length	l1	7.61 m
Nerall length (stowed)   19   5.43 m     Nerall length (stowed)   18   18   2.83 m     Nounteweight (stowed)   37   0.40 m     Nounteweight (stowed)   37   0.40 m     Nounteweight Oversize / Reach   0.40 m     Nounter oversize / Reach   0.40 m	Overall width	b1	2.32 m
Nevall height (stowed)   h18 ***   2.83 m	Overall height	h17	2.48 m
	Overall length (stowed)	19	5.43 m
Counterweight Oversize / Reach	Overall height (stowed)	h18 ***	2.83 m
xxtemal turning radius         Wa3         3.75 m           round clearance at centre of wheelbase         m2         0.40 m           wheelbase         y         2.30 m           efformances         2         3.50 km/h           rive speed - raised         5.30 km/h           tradeability         45 %         45 %           ermissible leveling         5 *         ***           fibeds         5         ***           ites type         Foam Filled Non Marking         914 x 381 mm / 36X150610           trive wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         48 V         48 V           attery nominal voltage / capacity         48 V         48 V           attery oneingly         23 kWh         48 V / 480 Ah         48 V / 480 Ah <t< td=""><td>Counterweight offset (turret at 90°)</td><td>a7</td><td>0.40 m</td></t<>	Counterweight offset (turret at 90°)	a7	0.40 m
xxtemal turning radius         Wa3         3.75 m           round clearance at centre of wheelbase         m2         0.40 m           wheelbase         y         2.30 m           efformances         2         3.50 km/h           rive speed - raised         5.30 km/h           tradeability         45 %         45 %           ermissible leveling         5 *         ***           fibeds         5         ***           ites type         Foam Filled Non Marking         914 x 381 mm / 36X150610           trive wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         2 / 2         2           tetering wheels (front / rear)         48 V         48 V           attery nominal voltage / capacity         48 V         48 V           attery oneingly         23 kWh         48 V / 480 Ah         48 V / 480 Ah <t< td=""><td>Counterweight Oversize / Reach</td><td></td><td>0.40 m</td></t<>	Counterweight Oversize / Reach		0.40 m
		Wa3	
Afterelbase         y         2.30 m           efformances         Commander           trive speed - stowed         5.30 km/h           trive speed - raised         0.70 km/h           tridesemissible leveling         5 *           Wheels         Foam Filled Non Marking           tries type         Foam Filled Non Marking           tandard tires         914 x 381 mm / 36X150610           trive wheels (front / rear)         2 / 2           teeting wheels (front / rear)         2 / 2           teeting wheels (front / rear)         0 / 2           traking wheels (front / rear)         2 / 2           teeting wheels (front / rear)         4 X Y           tanking wheels (front / rear)         2 / 2           teeting wheels (front / rear)         2 / 2           teeting wheels (front / rear)         4 X Y           tanking wheels (front / rear)         4 X Y           tanking wheels (front / rear)         4 X Y           tanking wheels (front / rear)         4 X Y           talk y (48 A)         4 X Y           talk y (48 A)         4 X Y (48 A)           talk y (48 A)	•		
erformances         5.30 km/h           rive speed - raised         0.70 km/h           tradeability         45 %           emissible leveling         5 °           theels         Foam Filled Non Marking           lies type         Foam Filled Non Marking           trive wheels (front / rear)         2 / 2           trive wheels (front / rear)         2 / 2           trive wheels (front / rear)         0 / 2           grine/Battery         48 V           attery voltage         48 V / 480 Ah           attery nominal voltage / capacity         48 V / 480 Ah           attery nominal voltage / capacity         48 V / 60 A           discellaneous         48 V / 60 A           lumber of cycles with STD Battery (HIRD)         48           round Pressure         240 bar           ydraulic tank capacity         241           ound pressure level (platform work station) (LpA)         70 dB           libration on hands/arms         2.50 m/s²           titreat this is to accept the compliance         European directives: 2006/42/EC- Machinet			
S.30 km/h   S.20			2.00
### Speed - raised ### 10.70 km/h ### 145 % ##			5.20 km/h
tradeability         45 %           tremissible leveling         5 °           wheels         Foam Filled Non Marking           itest by De         Foam Filled Non Marking           tandard tires         914 x 381 mm / 36X15D610           vive wheels (front / rear)         2 / 2           teering wheels (front / rear)         2 / 2           taking wheels (front / rear)         0 / 2           taking wheels (front / rear)         0 / 2           taking wheels (front / rear)         0 / 2           taking wheels (front / rear)         2 / 2           taking wheels (front / rear)         0 / 2			
remissible leveling  Theels  ires type Foam Filled Non Marking 914 x 381 mm / 36X15D610 71 xive wheels (front / rear) 2 / 2 teering wheels (front / rear) 2 / 2 taking wheels (front / rear) 3 / 2 / 2 taking wheels (front / rear) 4 8 V  attery voltage 48 V  attery nominal voltage / capacity 48 V / 480 Ah attery energy 48 V / 480 Ah attery energy 48 V / 60 A  discellaneous  lumber of cycles with STD Battery (HIRD) 48 M tround Pressure ydraulic Pressure ydraulic Pressure ydraulic rensure ydraulic rensure ydraulic pressure level (platform work station) (LpA) 10 0 B 10 0 B 11 0 D 12 0 C 13 0 C 14 1 15 0 D 16 0 B 16 0 C 16 0	·		
Pheels         Foam Filled Non Marking           ires type         914 x 381 mm / 36X15D610           trive wheels (front / rear)         2 / 2           teering wheels (front / rear)         2 / 2           taking wheels (front / rear)         0 / 2           raking wheels (front / rear)         48 V           attery totalge         48 V           attery nominal voltage / capacity         48 V / 480 Ah           attery nominal voltage / capacity         48 V / 480 Ah           discellaneous         48 V / 60 A           discellaneous         23 kWh           drough Crycles with STD Battery (HIRD)         48           drough Crycles with STD Battery (HIRD)         48           drough Crycles with STD Battery (HIRD)         240 bar           drough Crycles with STD Battery (HIRD)         240 bar           droug			
ires type tandard tires  tandard tires  \$14 x 381 mm / 36X15D610  2 / 2  teering wheels (front / rear) 2 / 2  teering wheels (front / rear) 2 / 2  raking wheels (front / rear) 3 / 2  raking wheels (front / rear			5
tandard tires  fandard tires  g14 x 381 mm / 36X15D610  2 / 2  teering wheels (front / rear)  teering wheels (front / rear)  active wheels (front / rear)  a			
trive wheels (front / rear)  teering wheels (front / rear)  teering wheels (front / rear)  adity voltage  attery voltage  attery voltage / capacity  attery nominal voltage / capacity  attery energy  in-board charger (V / A)  discellaneous  tumber of cycles with STD Battery (HIRD)  triound Pressure (ydraulic tank capacity  uound pressure (ydraulic tank capacity  attery evel platform work station) (LpA)  ibration on hands/arms  tandards compliance  term and the state of			*
teering wheels (front / rear) raking wheels (front / rear) ngine/Battery attery voltage attery voltage attery nominal voltage / capacity attery energy atter			
raking wheels (front / rear) ngine/Battery attery voltage attery nominal voltage / capacity attery nominal voltage / dat V / 480 V / 48 V / 48 V / 480 V / 48 V			
Ingine/Battery Indine/Battery Indine			
attery voltage attery voltage attery nominal voltage / capacity attery energy attery energy and charger (V / A)  discellaneous attery energy a	Braking wheels (front / rear)		0 / 2
attery nominal voltage / capacity  attery nominal voltage / capacity  attery energy  an board charger (V / A)  Als V / 60 A  Als	Engine/Battery		
attery energy  attery energy  an board charger (V / A)  discellaneous  dumber of cycles with STD Battery (HIRD)  around Pressure  dydraulic Pressure  dydraulic tank capacity  ound pressure level (platform work station) (LpA)  around pressure level (platform work station) (LpA)  around pressure level (platform work station) (LpA)  around pressure level (platform work station) (LpA)  bibration on hands/arms  aroundards compliance  bit around it is a round it is	Battery voltage		48 V
In-board charger (V / A)  Idiscellaneous  Idinumber of cycles with STD Battery (HIRD)  Idinumber of cycles with	Battery nominal voltage / capacity		48 V / 480 Ah
discellaneous  Jumber of cycles with STD Battery (HIRD)  All Strong of Cycles with S	Battery energy		23 kWh
tumber of cycles with STD Battery (HIRD)  48  10.50 dan/cm2  10.50 dan/cm2  240 bar  241  241  241  241  241  241  241  24	On-board charger (V / A)		48 V / 60 A
tround Pressure  stround Pressure  strough depressure  strough depressure  strough depressure  strough depressure  strough depressure level (platform work station) (LpA)  strough depressure  strough	Miscellaneous		
tround Pressure    10.50 dan/cm2     10/4 dan/cm2     10/	Number of cycles with STD Battery (HIRD)		48
ydraulic Pressure  240 bar  241  241  241  240  241  240  240  70 dB  250  250 m/s²  261  261  262  263  264  265  266  266  266  266  266  266	Ground Pressure		10.50 dan/cm2
ydraulic tank capacity  ound pressure level (platform work station) (LpA)  ibration on hands/arms  tandards compliance  tie most is in anything in the station of the stati			
ound pressure level (platform work station) (LpA)  70 dB  10 attain on hands/arms  11 attained compliance  12 bit a marking in in any line of with the marking in its any line of the marking in the marking in its any line of the marking in its angle of the markin			
ibration on hands/arms  < 2.50 m/s²  tandards compliance  European directives: 2006/42/EC- Machiner			
tandards compliance  European directives: 2006/42/EC- Machiner			
European directives: 2006/42/EC- Machiner			< 2.50 H/S-
his machine is in compliance with:  (revised EN280:2013) - 2004/108/EC (EMC	Standards Compilative		5
	This machine is in compliance with:		(revised EN280:2013) - 2004/108/EC (EMC)

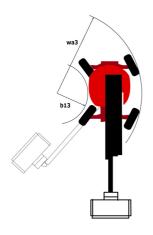
<sup>\*</sup>Varies according to options and standards of the country to which the machine is delivered \*\* According to "REDUCE cycle"  $\,$ 

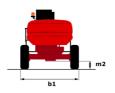
## 180 ATJ e - Load chart

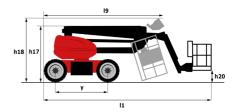
## Load Chart for MEWP Metric



180 ATJ e - Dimensional drawing







# **Equipment**

Turret orientation information

### 220V predisposition in the platform 4 simultaneous movements 4 wheel drive 4 wheel steer with crab mode Audible alarm and illuminated indicator lamp (leveling, overload, lowering) Backup electrical pump Basket 1,800 mm CAN bus technology Differential locking on rear axle Easy Link with 2 year Service Easy Manager Emergency stop button in platform and on frame Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.) Horn in the platform Hour meter LED rotating beacon Large color screen on turret Leveling unlocking Load sensing pump Operator presence pedal Oscillating front axle Reserve mode Screen information in the basket Simplified lifting system without spreader bar Slinging and securing rings Steer and rotate

Audio waming on all motion - White noise Biodegradable hydraulic oil - Grade 32 Biodegradable oil Continuous turret rotation Digicode anti-theft device Easy Link - With access control keypad Easy link with remote lock Electric centralized filling External pneumatic supply source Foam-filled tires 914 x 381 mm / 36X15D610 Fully galvanized basket 1800mm / 5"11" with lateral door Galvanized basket 2,100 mm Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.) Key lock on turret covers Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Hamess + helmet Socket 230 V + differential circuit breaker Water heater	Optional
Biodegradable oil  Continuous turret rotation  Digicode anti-theft device  Easy Link - With access control keypad  Easy link with remote lock  Electric centralized filling  External pneumatic supply source  Foam-filled tires 914 x 381 mm / 36X15D610  Fully galvanized basket 1800mm / 5°11" with lateral door  Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Harness + helmet  Socket 230 V + differential circuit breaker  Water heater	Audio warning on all motion - White noise
Continuous turret rotation  Digicode anti-theft device  Easy Link - With access control keypad  Easy link with remote lock  Electric centralized filling  External pneumatic supply source  Foam-filled tires 914 x 381 mm / 36X15D610  Fully galvanized basket 1800mm / 5'11" with lateral door  Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Biodegradable hydraulic oil - Grade 32
Digicode anti-theft device Easy Link - With access control keypad Easy link with remote lock Electric centralized filling External pneumatic supply source Foam-filled tires 914 x 381 mm / 36X15D610 Fully galvanized basket 1800mm / 5*11* with lateral door Galvanized basket 2,100 mm Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.) Key lock on turnet covers Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Harness + helmet Socket 230 V + differential circuit breaker Water heater	Biodegradable oil
Easy Link - With access control keypad  Easy link with remote lock  Electric centralized filling  External pneumatic supply source  Foam-filled tires 914 x 381 mm / 36X15D610  Fully galvanized basket 1800mm / 5'11" with lateral door  Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turnet covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Continuous turret rotation
Easy link with remote lock Electric centralized filling External pneumatic supply source Foam-filled tires 914 x 381 mm / 36X15D610 Fully galvanized basket 1800mm / 5*11* with lateral door Galvanized basket 2,100 mm Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.) Key lock on turnet covers Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Harness + helmet Socket 230 V + differential circuit breaker Water heater	Digicode anti-theft device
Electric centralized filling  External pneumatic supply source  Foam-filled tires 914 x 381 mm / 36X15D610  Fully galvanized basket 1800mm / 5'11" with lateral door  Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turnet covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Harness + helmet  Socket 230 V + differential circuit breaker  Water heater	Easy Link - With access control keypad
External pneumatic supply source Foam-filled tires 914 x 381 mm / 36X15D610 Fully galvanized basket 1800mm / 5*11* with lateral door Galvanized basket 2,100 mm Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.) Key lock on turnet covers Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Hamess + helmet Socket 230 V + differential circuit breaker Water heater	Easy link with remote lock
Foam-filled tires 914 x 381 mm / 36X15D610  Fully galvanized basket 1800mm / 5'11" with lateral door  Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Electric centralized filling
Fully galvanized basket 1800mm / 5"11" with lateral door Galvanized basket 2,100 mm Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.) Key lock on turret covers Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Hamess + helmet Socket 230 V + differential circuit breaker Water heater	External pneumatic supply source
Galvanized basket 2,100 mm  Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Foam-filled tires 914 x 381 mm / 36X15D610
Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)  Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Fully galvanized basket 1800mm / 5'11" with lateral door
Key lock on turret covers  Lighting pack  Locking the telescope by parameter setting  Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Hamess + helmet  Socket 230 V + differential circuit breaker  Water heater	Galvanized basket 2,100 mm
Lighting pack Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Harness + helmet Socket 230 V + differential circuit breaker Water heater	Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)
Locking the telescope by parameter setting Lower control box protection OSS - Operation Safety System Personalized paintwork Safety kit - Harness + helmet Socket 230 V + differential circuit breaker Water heater	Key lock on turret covers
Lower control box protection  OSS - Operation Safety System  Personalized paintwork  Safety kit - Harness + helmet  Socket 230 V + differential circuit breaker  Water heater	Lighting pack
OSS - Operation Safety System  Personalized paintwork  Safety kit - Harness + helmet  Socket 230 V + differential circuit breaker  Water heater	Locking the telescope by parameter setting
Personalized paintwork Safety kit - Harness + helmet Socket 230 V + differential circuit breaker Water heater	Lower control box protection
Safety kit - Hamess + helmet Socket 230 V + differential circuit breaker Water heater	OSS - Operation Safety System
Socket 230 V + differential circuit breaker Water heater	Personalized paintwork
Water heater	Safety kit - Harness + helmet
	Socket 230 V + differential circuit breaker
Water predignosition	Water heater
water predisposition	Water predisposition





#### **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