Technical sheet:

# 80 VJR





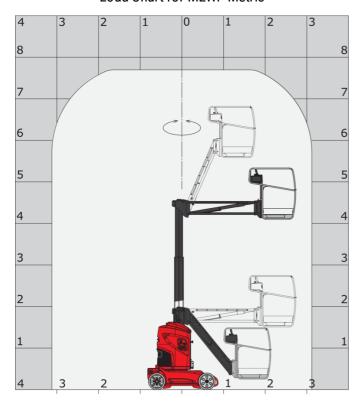


Montain pelight   Montain   Mont	024 at 8:02 PM UT
Petform height	ic
Nax. outrach         4.24           Overhang         4.24           Pedidular am outsion (top / bottom)         4.22           Pleatform capacity         Q         2.00           Number of people (indoor / outdoor)         2         2.75           Number of people (indoor / outdoor)         2         2.75           Platform weighth         2         2.250           Platform weighth         10         2.250           Platform weighth         10         2.250           Floor height (access)         10         0.04           Overall length         11         2.55           Overall length         113         1.61           Overall length         18         0.09           Overall length         18         0.09           Overall length         18         0.09           Outstackelph (left set (furet st 90Å*)         8         0.00           Counterweight Oversize / Rosh         8         0.00           Ground desance with p	m
Overlang         4.23           Pendular am rotation (top / bottom)         9         200           Platform capacity         Q         200           Turnet rotation         2.7         2.7           Weight and differentions         2.7         2.7           Platform weight         2.0         2.7           Platform weight (access)         10.2         0.47           Platform weight (access)         10.2         0.47           Overall length         10.2         0.9           Platform weight (access)         10.2         0.47           Overall length         10.1         0.25           Overall length         10.1         0.99           Overall length         10.1         0.99           Jib length         10.3         0.61           Counterweight Orientzer / Reach         10.3         0.61           Counterweight Orientzer / Reach         2.0         0.0           External zuming radius         83         2.0           Ground clearance under prothed protection         m6         0.0           Ground clearance under prothed protection         m6         0.0           Ground clearance under prothed protection         m6         0.0	m
Pendular am notation (top / bottom)         46.2° /           Part our spacity         Q         20.00 /           Number of people (indoor / outdoor)         2         2.7° /           Weight and dimensions         2         2.7° /           Patform weight?         1         2.250           Patform dimensions (length x width)         10 / pc         1.11 m. xi           Floor height (access)         10 / pc         0.11 m. xi           Overall length         11         2.55           Overall height         11         2.55           Overall height         11         0.99           Overall height         11         0.99           Overall height         11         0.99           Overall height         11         0.99           Overall height         117         1.99           Jib length         117         1.99           Jib bength         117         1.99           Jib bength         16         0.10           External turning radiu         a         0.10           External turning radiu         m6         0.02           Gound clearace with profibe guards deployed         m6         0.02           Gound demance under perfole princetion<	m
Platform capacity         Q         300           Turnet totation         300         350           Number of people (indoor / outdoor)         2 / 2 / 350           Waight and dimensions         C         2 / 2 / 350           Platform weight (**)         10 / 6p         1.11 m x x x x x x x x x x x x x x x x x x	m
Platform capacity         Q         2001           Turnet to totation         350           Number of people (indoor / outdoor)         2/17           Waight and dimensions         1         2/27           Platform weight (access)         10/60         0.1.11 m. x. 1         2.5           Platform weight (access)         1n         1co.         0.90         0.4.7           Overall length         1n         2.5         0.50         0.9	51 °
Tumer totation         300           Number of people (indoor) outdoor)         2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	
Number of people (indoor / outdoor)         2 / 19 / 19 / 19 / 19 / 19 / 19 / 19 / 1	
Weight and dimensions         Parform weight?         2250           Platform weight?         10p/ep         1.11 m.xt           Floor height (access)         10         0.04           Overall leight         11         2.95           Overall width         10         0.99           Overall width         10         0.99           Overall height         11         1.99           Overall height         113         1.61           Counterweight Orestize / Reach         2         0.00           Counterweight Oversize / Reach         40         0.00           Counterweight Oversize / Reach         40         0.00           Ground clearance with probled guards deployed         m6         0.02           Ground clearance with proble guards deployed         m6         0.03           Ground clearance a tentre of wheeliase         y         1.20           Performance         y         1.20           Dive speed - raised         y         1.20           Dive speed - raised         5         2.5 to 6           Ories speed - raised         5         2.5 to 6           Dive speed - raised         5         2.5 to 6           Standard ties         5         3.0 to 6	
Platform weight*         jp / ep         1.11 max display middlinersions (length x width)         jp / ep         1.11 max display (length x width)         1.02 mo. 2.05	
Patform dimensions (length x width)         lp /ep         1.11 m x           Floor helpit (access)         h20         0.47           Overall length         11         2.55           Overall width         b1         0.09           Overall width         b1         0.09           Overall helpit         113         1.51           Use length         113         1.61           Counterweight Offset (furet at 90Å*)         113         1.61           Counterweight Orset (furet at 90Å*)         0.09         0.00           Counterweight Orset (furet at 90Å*)         0.01         0.00           Counterweight Orset (furet at 90Å*)         0.00         0.00           Counterweight Orset (furet at 90Å*)         0.00         0.00           Counterweight Orset (furet at 90Å*)         0.00         0.00           Wheelbase         m6         0.00         0.00           Orwested Stowed         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <t< td=""><td>ka</td></t<>	ka
Floor height (access)	
Overall length         11         2.95           Overall width         b1         0.99           Overall height         h17         1.99           Jib length         113         1.61           Counteweight offset (luret at 90Å*)         a7         0.09           Counteweight Oriset (luret at 90Å*)         (         0.010           External turning radius         Wa3         2.09           Ground clearance with pothole guards deployed         m6         0.02           Ground clearance under pothole protection         m6         0.02           Ground clearance at centre of wheelbase         y         1.20           Performances         y         1.20           Drive speed - raised         y         1.20           Orive speed - raised         5         2.55           Permissible leveling         5         2.25           Permissible leveling         5         2.25           Permissible leveling         5         2.25           Permissible leveling         5         3.01           Standard tires         5         3.01           Steph year         5         2.24           Bekeing front / rear)         5         2.24           Bekei	
Overall width         bit         0.99           Overall height         1.17         1.1.99           Dib length         1.13         1.1.61           Counterweight Offset (turet at 90Å*)         a7         0.09           Counterweight Chresize / Reach         4         0.00           Counted clearance with pothole guards deployed         Ma         0.02           Ground clearance under prothole protection         m6         0.03           Ground clearance a centred of wheelbase         y         1.20           Wheelbase         y         1.20           Performances         y         1.20           Dive speed - talsed         y         1.20           Groud clearance with pothole protection         m6         0.03           Ground clearance a centred of wheelbase         y         1.20           Performances         y         1.20           Owned Septis of State (wheelbase)         y         1.20           Wheelsage (stowed)         y         1.20           Everified (stewed)         2         2         2           Standard ties         2         3.10         4.10 x its           Steering wheels (front / rea)         2         2.10         2.10	
Overall height         h17         1.99           Jib length         13         1.61           Counterweight offset (furret at 90Å*)         a7         0.09           Counterweight Oversize / Reach         #3         0.010           External turning radius         #3         0.010           Ground clearance with pothole guards deployed         m6         0.03           Ground clearance at centre of wheelbase         m6         0.03           Ground clearance at centre of wheelbase         y         1.00           Wheelbase         y         1.00           Performance         y         1.00           Drive speed - raised         5         4.50 km           Groud clearance with pothole protection         m6         0.03           Wheelbase         y         1.20           Professionse         9         4.50 km           Drive speed - raised         5         4.50 km           Drive speed - raised         5         2.25 km           Permissible leveling         5         2.25 km           Primers         5         5.01 km           Standard tire         5         5.01 km           Britis wheels (front / rea)         5         2.21 km      <	
Jib length         113         1.61           Counteweight Offset (turnet 90Å*)         a7         0.09           Counteweight Oversize / Reach         9.01         0.09           External turning radius         Wa3         2.09           Ground clearance with probled guards deployed         m6         0.02           Ground clearance at centre of wheelbase         y         1.20           Wheelbase         y         1.20           Performance         y         1.20           Drive speed - stowed         y         1.20           Groad-stowed         y         2.25           Gradeability         2         0.65 km           Gradeability         y         2.25           Fermissible leveling         y         2.25           Stemplish (front / rear)         Solid non-ma         3.01         3.01           Standard ties         \$         \$3.01         3.07         3.02 <td></td>	
Counterweight offset (turet at 90Å*)         a7         0.09           Counterweight (versize / Reach         0.01         0.01           Stemal turning radius         %a3         2.09           Ground clearance with pothole guards deployed         m6         0.03           Ground clearance under pothole protection         m6         0.03           Ground clearance at centre of wheelbase         m2         0.09           Wheelbase         y         1.20           Permissible verified         y         1.20           Offive speed - raised         y         1.20           Gradeability         2         2.55           Permissible leveling         2         2.05           Wheels         2         2.05           Times type         Solid non-ma         2.0         2.0           Standard tires         5         5         2.0         2.0           Dive wheels (front / rear)         2         5         3.0         2.0 </td <td></td>	
Counterweight Oversize / Reach         Counterweight Oversize / Reach         0.10           External turning radius         Wa3         2.09           Ground clearance with porbole guards deployed         m6         0.02           Ground clearance under porbole protection         m6         0.03           Ground clearance at centre of wheelbase         y         1.09           Wheelbase         y         1.09           Performance	
Extemal turning radius         Wa3         2.09           Ground clearance with probrole guards deployed         m6         0.02           Ground clearance at centre of wheelbase         m2         0.09           Wheelbase         y         1.20           Permances         y         1.20           Drive speed - stowed         Secondary         1.20           Orive speed - raised         9         2.55           Gradeability         2         2.55           Permissible leveling         2         2.55           Wheels         5         3.01         3.01           Wheels         5         5.01         3.01	
Ground clearance with pothole guards deployed         m6         0.02           Ground clearance under pothole protection         m6         0.03           Ground clearance at centre of wheelbase         y         0.09           Wheelbase         y         1.20           Drive speed - stowed         y         1.20           Drive speed - stowed         0.65 kg         0.65 kg           Gradeability         2         2.5 kg           Pemissible leveling         2         2.5 kg           Wheels         Solid non-max         1.05 kg           Standard tires         410 x 13         3.0 kg           Steering wheels (front / rear)         2         0.0 /2           Electric lift pump         3         2         0.0 /2           Electric legine power rating         2         2.2 kg         0.0 /2           Battery voltage         3         0.0 kg         0.0 kg         0.0 kg         0.0 kg         0.0 kg         0.0 kg </td <td></td>	
Ground clearance under pothole protection         m6         0.03           Ground clearance at centre of wheelbase         m2         0.09           Wheelbase         y         1.20           Performances           Drive speed - stowed         4.50 km           Croadeability         6         2.55 km           Gradeability         6         3.55 km           Permissible leveling         6         5.50 km           Standard tires         5         4.10 x 13           Standard tires         5         4.10 x 13           Drive wheels (front / rear)         6         5.01 x 13           Steering wheels (front / rear)         6         9.07 x 13           Electric engine power rating         6         9.07 x 13           Electric lift pump         2         2 x 1.50           Statley owlage         2         2 x 4.20           Battery capacity of hydraulic pump / Capacity of hydraulic pump         2         2 x 4.20           Battery capacity         5         2 x 4.20           On-board charger (V/A)         2         2 x 4.70           Miscellaneous         5         3 x 4.00           Number of cycles with STD Battery (HIRD)         3         3 x 4.00	
Ground clearance at centre of wheelbase         m2         0.09           Wheelbase         y         1.20           Performances         Control of the properties of the propertie	
Wheelbase         y         1.20           Performances         Commander         Commander           Drive speed - stowed         6.05 km         6.05 km           Gradeability         2.25 km         2.5 km           Pemissible leveling         2.2 km         2.2 km           Wheels         5.00 km         3.00 km           Tires type         Solid non-mark         5.00 km         3.00 km           Standard tires         \$.00 km         3.0 km         <	
Performances         Contive speed - stowed         4.50 km         4.50 km         4.50 km         4.50 km         4.50 km         6.05 km         7.05 km         7.0	
Drive speed - stowed         4.50 km           Drive speed - raised         0.65 km           Gradeability         2.5 km           Permissible leveling         2.5 km           Wheels         3.00 km           Tires type         Solid non-ma           Standard tires         410 x 13           Drive wheels (front / rear)         2.7 km           Steering wheels (front / rear)         2.7 km           Electric engine power rating         3.0 km           Electric lift pump         3.0 km           Number of hydraulic pump / Capacity of hydraulic pump         3.2 km           Battery capacity         2.5 km           On-board charger (V / A)         2.5 km           Miscellaneous         3.2 km           Number of cycles with STD Battery (HIRD)         3.2 km           Ground Pressure         11.10 dar           Hydraulic Pressure         11.10 dar           Hydraulic tank capacity         2.1 km	m
Drive speed - raised         0.65 km           Gradeability         25 %           Permissible leveling         2 %           Wheels         8           Standard tires         Solid non-max           Standard tires         410 x 13           Drive wheels (front / rear)         2 / 0           Braking wheels (front / rear)         2 / 0           Braking wheels (front / rear)         3 / 0           Electric engine power rating         3 / 0           Electric left frump         3 kW           Number of hydraulic pump / Capacity of hydraulic pump         3 kW           Battery voltage         3 kW           Battery capacity         2 / 0           On-board charger (V / A)         2 / 0           Miscellaneous         3            Miscellaneous         3            Ground Pressure         3            Hydraulic Pressure         5            Hydraulic Pressure         111.10 dar           Hydraulic tank capacity         5	
Grade ability         25 5 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Permissible leveling         2°           Wheels         Slow of the Solid non-mark Slow of the Solid non-m	
Wheels         Solid non-male           Standard tires         410 x 13           Drive wheels (front / rear)         0 / 2           Steering wheels (front / rear)         2 / 0           Braking wheels (front / rear)         0 / 2           Engine Power rating         0 / 2           Electric engine power rating         2 x 1.50           Electric lift pump         3 kW           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery capacity         2 20 x 4.20           Battery capacity         2 50 A           On-board charger (V / A)         2 4 V / 3           Miscellaneous         3 2           Number of cycles with STD Battery (HIRD)         3 2           Ground Pressure         11.10 dar           Hydraulic pressure         140 b           Hydraulic tank capacity         2 2 X / 3	
Tires type         Solid non-management of the part of the	
Standard tires         410 x 13           Drive wheels (front / rear)         0 / 2           Steering wheels (front / rear)         2 / 0           Braking wheels (front / rear)         0 / 2           Engine/Battery         0 / 2           Electric engine power rating         2 x 1.50           Electric lift pump         3 kW           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         2 x 4.20           Battery capacity         2 x 4.20           On-board charger (V / A)         2 x 4.20           Miscellaneous         2 x 4.73           Miscellaneous         3 2           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         2 x 4.20	
Drive wheels (front / rear)         0 / 2           Steering wheels (front / rear)         2 / 0           Braking wheels (front / rear)         0 / 2           Engine/Battery         0 / 2           Electric engine power rating         2 x 1.50           Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         24 V / 3           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         2 2 V	
Steering wheels (front / rear)         2 / 0           Braking wheels (front / rear)         0 / 2           Engine/Battery         0 / 2           Electric engine power rating         2 x 1.50           Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	0 mm
Braking wheels (front / rear)         0 / 2           Engine/Battery         Common of hydraulic pump         2 x 1.50           Electric engine power rating         3 kV           Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         32           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	<u>!</u>
Engine/Battery         Electric engine power rating         2 x 1.50           Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         32           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	)
Electric engine power rating         2 x 1.50           Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         32           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	<u>?</u>
Electric lift pump         3 kV           Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         24 V / 3           Wumber of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	
Number of hydraulic pump / Capacity of hydraulic pump         2 x 4.20           Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         50 A           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	kW
Battery voltage         24 V           Battery capacity         250 A           On-board charger (V / A)         24 V / 3           Miscellaneous         8           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22 V	1
Battery capacity         250 M           On-board charger (V / A)         24 V / 3           Miscellaneous         0           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22	cm³
On-board charger (V / A)         24 V / 3           Miscellaneous         Company           Number of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22	1
Miscellaneous         Example of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22	\h
Miscellaneous         Example of cycles with STD Battery (HIRD)         32           Ground Pressure         11.10 dar           Hydraulic Pressure         140 b           Hydraulic tank capacity         22	30 A
Ground Pressure11.10 darHydraulic Pressure140 bHydraulic tank capacity22 b	
Hydraulic Pressure140 bHydraulic tank capacity22 b	
Hydraulic Pressure140 bHydraulic tank capacity22 b	
Hydraulic tank capacity 22 l	
• • •	
Noise to environment (LWA)	
Vibration on hands/arms < 0.50 r	
Standards compliance	<u> </u>
This machine is in compliance with:  European directives: 200 (revised EN280:2013) - 2 2006/95/EC (L	2004/108/EC (EMC) -

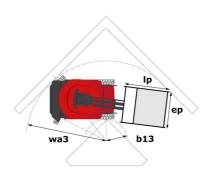
<sup>\*</sup>Varies according to options and standards of the country to which the machine is delivered

### 80 VJR - Load chart

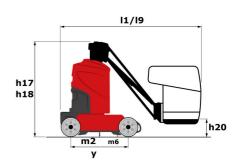
#### Load Chart for MEWP Metric



80 VJR - Dimensional drawing



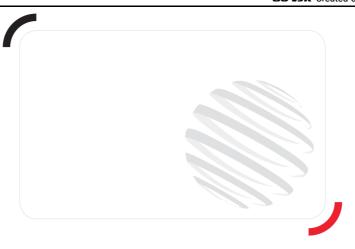




## **Equipment**

Standard
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Battery charge indicator lamp
CAN bus technology
Emergency stop button in platform and on frame
Fixed pothole protection
Fork pockets
Hour meter
Integrated charger
Integrated diagnostic assistance
Manual emergency lowering
Negative-type braking on rear wheels
Non-marking rubber tyres
Pendular arm
Proportional controls
Slinging and securing rings
Tool box in platform
Traction battery
lace floor basket

Optional	
110 or 230V plug with differential circuit breaker	
230V Predisposition	
Biodegradable oil	
Cold weather protection oil	
Lights	
Maintenance-free battery	
Personalized paintwork	
SMS : Safe Man System	
Safety hamess	
Working light	





#### **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