Technical sheet:

MHT 11250 MINING ST5

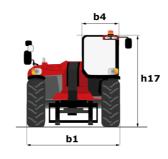


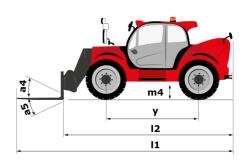


| 2499 kg 2499 | Capacities | Metric |
|--|-------------------------------------|----------------------------------|
| 10.60 m 10.6 | Max. capacity | 24999 kg |
| Samura motissche Semura motissche Semura motissche Semura motissche | Load center of gravity | c 900 mm |
| Samura motissche Semura motissche Semura motissche Semura motissche | Max. lifting height | |
| 1 | Maximum outreach | |
| nileden weight (with foots) 31610 kg metabasace m4 0.47 m heebbase y 4.10 m tenigh for face of forks 12 7.12 m wearl width b1 2.28 m wearl helpht b17 3.03 m wearl lictly angie a4 1.2° lit down angie a5 1.05° stemal huming adus (over tynes) Wa1 5.50 m oks length / villoff / sector 1/e / s 100 mm x 220 mm x 100 mm make leveling concector 49 10° make leveling concector 49 10° medieg mode 2 / 2 2 medieg mode 2 / 2 2 medieg mode 4 / 2 2 / 2 medieg mode 2 / 2 2 / 2 <tr< td=""><td>Weight and dimensions</td><td></td></tr<> | Weight and dimensions | |
| round clearance m4 0.47 m hecelease y 4.10 m engin for face of forks 12 7.12 m verall width b1 2.24 m weal helpht b1 0.24 m they so width b4 0.95 m they so width b4 0.95 m they so width b4 12° lift down angle a5 105° lift down angle a5 105° lift sold width / section 1/e /s 1800 mm x 220 mm x 100 mm locks length / width / section 1/e /s 1800 mm x 220 mm x 100 mm locks length / width / section 1/e /s 1800 mm x 220 mm x 100 mm locks length / width / section 1/e /s 1800 mm x 220 mm x 100 mm locks length / width / section 1 2 2 locks length / width / section 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4 4 1 <td< td=""><td>Overall length</td><td>l1 8.92 m</td></td<> | Overall length | l1 8.92 m |
| heelbase | Unladen weight (with forks) | 31610 kg |
| length to face of forks 12 7.12 m verall width b1 2.24 m verall relight h17 3.03 m verall teight width b4 0.95 m litt-gaugle a4 12° lit-down angle a5 105° kread alluming adults (over tyres) Wal 5.50 m ooks length / width / section 1 / e / s 1800 mm x 220 mm x 100 mm manded tites a9 10° metering from theels / rear wheels 2 2 wheel steet, 4 meter steet, 6 mm of a great from / rear wheels 2 / 2 mew wheels (front / rear) 2 2 wheel steet, Crab mode angine mode 2 / 2 mighte mode 3 3.50 mm 4 / 4.50 mm mighte power staffs / Power 3.50 mm 3.50 mm 3.50 mm c. Engine power staffs / Power 3.50 mm | Ground clearance | m4 0.47 m |
| weall width b1 2.84 m weall beight h17 3.03 m weall beight b4 0.55 m littig pangle a5 105* tiction angle a5 105* ktenal laturing radius (overtyres) Wal 5.50 m oxide langth / width / section 1 / e / s 1800 mm x 220 mm x 100 mm oxide langth / width / section 1 / e / s 1800 mm x 220 mm x 100 mm oxide langth / width / section 1 / e / s 1800 mm x 220 mm x 100 mm oxide langth / width / section 2 / 2 / 2 2 / 2 / 2 owner wheels (front / rear) 2 / 2 / 2 2 / 2 / 2 owner wheels (front / rear) 2 / 2 / 2 2 / 2 / 2 owner wheels (front / rear) 2 / 2 / 2 2 / 2 / 2 owner wheels (front / rear) 3 / 3 / 3 / 3 / 3 / 3 / 3 3 / 3 / 3 / 3 / 3 / 3 / 3 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / | Wheelbase | y 4.10 m |
| No. | Length to face of forks | 12 7.12 m |
| Internation of the content of the | Overall width | b1 2.84 m |
| It up an angle | Overall height | h17 3.03 m |
| It down angle | Overall cab width | b4 0.95 m |
| It down angle | Tilt-up angle | |
| skemal turning radius (over tyres) Wa1 5.50 m onks length / width / section 1 / e / s 1800 mm x 220 mm x 100 mm name leveling corrector a9 1 month heels - 18.00 R25 unwher of front wheels / rear wheels 2 / 2 nie wheels (front / rear) 2 / 2 2 wheel steer, Crab mode night Yannar Yannar ngine Yannar Stage X, Tier 4 ngine model A1N107TE-SMU2 4 + 4557 cm² unber of cylinders / Capacity of cylinders 2 + 211 Hp / 155 kW lax. torque / Engine rotation 805 Nm@1500 mm ngine cooling system Water unber of batteries 2 2 2 attenty voltage 12 V antimistion 4 Hydrostatic unber of gears (forward / reverse) 2 / 2 / 2 ast, travel gened 4 Hydrostatic unber of plant (forward / reverse) 2 / 7 / 2 / 3 ast, flag back A Untomation engative parking brake envice brake 0 Hydrostatic strate 7 / 7 % / 31.50 % | Tilt-down angle | |
| oks length/ width / section I / e / s 1800 mm x 220 mm x 100 mm ame leveling corrector a9 10° heels 1800 mm x 220 mm x 100 mm bandard tires 1800 pcs umber of front wheels / rear wheels 2 / 2 ree wheels (front / rear) 2 wheel steer, 4 wheel steer, Crab mode ree regine 2 wheel steer, 4 wheel steer, Crab mode regine brand Stage V. Tier 4 regine brand 4 varmar regine power rating / Power 2 11 Hz / 155 kW 2. Engine power rating / Power 2 21 Hz / 155 kW 3. Longue / Engine rotation 805 kmg/1500 pm nighe cooling system 9 21 Hz / 155 kW umber of patientes 2 2 tweet steety voltage 1 2 V umber of gears (forward / reverse) 2 2 25 km/h surk tayel speed 2 / 2 surk tayel speed 4 Atomatic negative parking brake ervice brake 6 Oll-Immersed multi-discs braking on front & rearbelling on front & r | - | Wa1 5.50 m |
| needs 89 10 ° heels 18.00 R25 umber of front wheels / rear wheels 2 / 2 tiew wheels (front / rear) 2 / 2 tiew wheels (front / rear) 2 / 2 teening mode 2 wheel steet, 4 wheel steet, Crab mode unipine brand Stage V. Tier 4 ngine norm Stage V. Tier 4 ngine model 4 - 4567 cm² C. Engine power rating / Power 2 11 Hp / 155 kW us. torque / Engine rotation 805 Nmg/1500 rpm umber of batteries 2 2 astery voltage 12 V anamissistion Hydrostatic umber of gears (floward / reverse) 2 / 2 astery speed Phytrostatic sumber of gears (floward / reverse) 2 / 2 ast travel speed Automatic negative parking brake ence brake Oll-Immersed multi-discs braking on front & reaction axies syrbusulics Yariable displacement pump ydraulic flow - Pressue Variable displacement pump ards capacities 131 uel tank 357.70 % / 31.50 % < | | |
| Intended ities and and tires and tires and a | | |
| tandard tires 18.00 R25 unber of front wheels / rear wheels 2 / 2 tire wheels (front / rear) 2 / 2 teering mode 2 wheel steer, 4 wheel steer, Crab mode Ingine Damb Yanmar ngine Damb Yanmar ngine nom Stage V, Tier 4 Affino TF-65MU2 4TINDTT-65MU2 umber of Cylinders / Capacity of Cylinders 4. 4.4567 cm² C. Engine power rating / Power 211 Hp / 155 kW ax. torque / Engine rotation 805 Nmg/1500 pm gingle cooling system Water umber of batteries 2 attery voltage 12 V ransmission type Hydrostatic umber of gears (forward / reverse) 2 / 2 ax. travel speed 2 / 2 ax. travel speed Automatic negative parking brake evice brake Oil-immersed multi-discs braking on front & reactive parking brake oyldraulic Yariable displacement pump ydraulic pump type Variable displacement pump ydraulic pump type Variable displacement pump ydraulic pump type Variab | Wheels | |
| umber of front wheels / rear wheels 2 / 2 rive wheels (front / rear) 2 / 2 tree wheels (front / rear) 2 wheel steer, 4 wheel steer, Crab mode and price of | Standard tires | 18.00 R25 |
| rive wheels (front / rear) 2 / 2 teering mode 2 wheel steer, 4 wheel steer, Crab mode note ngine brand Yanmar ngine nome Stage V, Tier 4 legine model 4. *4567 cm² C. Engine power rating / Power 211 Hp / 155 kW ax. torque / Engine rotation 805 Nm@ 1500 pm unber of batteries 2 attery voltage 12 V ansemission 2 umber of gears (forward / reverse) 2 / 2 ux. travel speed Phydrostatic umber of gears (forward / reverse) 2 / 2 ux. travel speed 2 / 2 ax. travel speed Automatic negative parking brake envice brake Oil-Immersed multi-discs braking on front & rearies radeability (laden / unladen) 57.70 % / 31.50 % ydraulic Variable displacement pump ydraulic pump type Variable displacement pump and capacities 2.75 l/min - 350 bar ngine oil 131 uel tank 315 l tacellaneous Cabin ROPS - FOPS level 2 | | |
| tering mode agine agine agine agine band agine nome Stage V, Tier 4 ATN107TE-6SMU2 At 11 Hp / 155 kW lax. torque / Engine rotation agine cooling system Water umber of optimetries attery voltage attery voltage | | |
| Ingine brand Stage V, Tier 4 Ingine model ATNIOTTESMU2 Imber of cylinders / Capacity of cylinders At 4.4567 cm³ C. Engine power rating / Power At 4.4567 cm³ C. Engine power rating / Power At 4.4567 cm³ C. Engine power rating / Power At 4.4567 cm³ C. Engine power rating / Power At 4.4567 cm³ C. Engine power rating / Power At 4.4567 cm³ Rate, torque / Engine rotation Bostom | , | |
| Yanmar Yanmar Stage V, Tier 4 Stage V, Tier 4 ATN107TF-6SMU2 | Engine | |
| uniper model 4TN107TF6SMU2 umber of cylinders / Capacity of cylinders 4 - 4567 cm³ C. Engine power rating / Power 211 Hp / 155 kW lax. torque / Engine rotation 805 Nmg1500 pm umber of batteries 2 attery voltage 12 V transmission Hydrostatic umber of gears (forward / reverse) 2 / 2 tax. travel speed 2 / 2 tax. travel speed 25 km/h arking brake Automatic negative parking brake evice brake 0H-immersed multi-discs braking on front & reactives variages 57.70 % / 31.50 % vydraulic 75 / 70 % / 31.50 % vydraulic pump type Variable displacement pump vydraulic flow - Pressure 275 l/min - 350 bar ank capacities 315 l uple talk 315 l use talk 315 l | Engine brand | Yanmar |
| umber of cylinders / Capacity of cylinders 4 - 4567 cm³ C. Engine power rating / Power 211 Hp / 155 kW lax. torque / Engine rotation 805 Nm@1500 rpm guine cooling system Water umber of batteries 2 attery voltage 12 V ransmission Hydrostatic umber of gears (forward / reverse) 2 / 2 ax. travel speed Automatic negative parking brake envice brake Oil-immersed multi-discs braking on front & reacted axies aradeability (laden / unladen) 57.70 % 731.50 % ydraulics Variable displacement pump ydraulic flow - Pressure 275 l/min - 350 bar ank capacities 131 total uplie oil 131 total uel tank 315 total discellaneous Cabin ROPS - FOPS level 2 | Engine norm | Stage V, Tier 4 |
| umber of cylinders / Capacity of cylinders 4 - 4567 cm³ C. Engine power rating / Power 211 Hp / 155 kW lax. torque / Engine rotation 805 Nm@1500 rpm guine cooling system Water umber of batteries 2 attery voltage 12 V ransmission Hydrostatic umber of gears (forward / reverse) 2 / 2 ax. travel speed Automatic negative parking brake envice brake Oil-immersed multi-discs braking on front & reacted axies aradeability (laden / unladen) 57.70 % 731.50 % ydraulics Variable displacement pump ydraulic flow - Pressure 275 l/min - 350 bar ank capacities 131 total uplie oil 131 total uel tank 315 total discellaneous Cabin ROPS - FOPS level 2 | Engine model | |
| C. Engine power rating / Power 211 Hp / 155 kW lax. torque / Engine rotation 805 Nm@1500 rpm ngine cooling system Water umber of batteries 2 attery voltage 12 V ransmission Hydrostatic umber of gears (forward / reverse) 2 /2 km/h lax. travel speed 25 km/h Automatic negative parking brake 0il-immersed multi-discs braking on front & reaking brake ervice brake 0il-immersed multi-discs braking on front & reaking on front & reaking brake vadeability (laden / unladen) 57.70 % / 31.50 % ydraulics Variable displacement pump ydraulic pump type Variable displacement pump ydraulic flow - Pressure 275 l/min - 350 bar ank capacities 315 l uel tank 315 l iscellaneous Cabin ROPS - FOPS level 2 | • | |
| tax. torque / Engine rotation 805 Nm@1500 pm negine cooling system Water umber of batteries 2 attery voltage 12 V ransmission flye Hydrostatic umber of gears (forward / reverse) 2 / 2 tax. travel speed Automatic negative parking brake ervice brake Oli-immersed multi-discs braking on front & reaching on front & reaching to parking brake virce brake Oli-immersed multi-discs braking on front & reaching to parking brake virce brake S7.70 % / 31.50 % viraulics 57.70 % / 31.50 % vydraulic pump type Variable displacement pump vjdraulic flow - Pressure 275 //min - 350 bar and capacities 131 unite oli 131 in unite oli 315 in | | |
| mgine cooling system umber of batteries 2 attery voltage ansmission ansmission type umber of gears (forward / reverse) attery voltage attery voltage ansmission type umber of gears (forward / reverse) attery voltage art travel speed ark travel s | Max. torque / Engine rotation | |
| umber of batteries 2 attery voltage 12 V ransmission Hydrostatic umber of gears (forward / reverse) 2 / 2 lax. travel speed Automatic negative parking brake ervice brake Oil-immersed multi-discs braking on front & reaking brake ervice brake Oil-immersed multi-discs braking on front & reaking brake vydraulics 57.70 % / 31.50 % vydraulic pump type Variable displacement pump vydraulic flow - Pressure 275 l/min - 350 bar ank capacities 13 l ngine oil 13 l uel tank 315 l discellaneous Cabin ROPS - FOPS level 2 | · - | <u> </u> |
| tattery voltage answission type and capability (laden / unladen) answission type and capability (laden / unladen) answission type and capability (laden / unladen) and capabil | Number of batteries | 2 |
| ransmission type tansmission | Battery voltage | 12 V |
| umber of gears (forward / reverse) lax. travel speed 25 km/h Automatic negative parking brake envice brake envice brake envice brake radeability (laden / unladen) ydraulics ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank liscellaneous ab certification Cabin ROPS - FOPS level 2 | Transmission | |
| 25 km/h Automatic negative parking brake oil-immersed multi-discs braking on front & reaction brake radeability (laden / unladen) ydraulics ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank liscellaneous ab certification 25 km/h Automatic negative parking brake Oil-immersed multi-discs braking on front & reaxles ravles Variable displacement pump ydraulic flow - Pressure 275 l/min - 350 bar 31 l 31 l 31 l 31 l 31 l 31 c 315 l | Transmission type | Hydrostatic |
| Automatic negative parking brake envice brake envice brake envice brake envice brake radeability (laden / unladen) ydraulics ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank liscellaneous ab certification Automatic negative parking brake Oil-immersed multi-discs braking on front & re axles 75.7.0 % / 31.50 % Variable displacement pump ydraulic flow - Pressure 275 l/min - 350 bar 13 l uel tank Cabin ROPS - FOPS level 2 | Number of gears (forward / reverse) | 2/2 |
| oli-immersed multi-discs braking on front & real axles radeability (laden / unladen) ydraulics ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank liscellaneous ab certification Oil-immersed multi-discs braking on front & reaxles 57.70 % / 31.50 % Variable displacement pump 275 l/min - 350 bar 13 l uel tank Cabin ROPS - FOPS level 2 | Max. travel speed | 25 km/h |
| axles radeability (laden / unladen) ydraulics ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank liscellaneous ab certification Cabin ROPS - FOPS level 2 | Parking brake | Automatic negative parking brake |
| ydraulics Variable displacement pump ydraulic pump type 275 l/min - 350 bar ydraulic flow - Pressure 275 l/min - 350 bar ank capacities 315 l uel tank 315 l liscellaneous Cabin ROPS - FOPS level 2 | Service brake | |
| Variable displacement pump ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank iscellaneous ab certification Variable displacement pump 275 l/min - 350 bar 315 l 315 l Cabin ROPS - FOPS level 2 | Gradeability (laden / unladen) | 57.70 % / 31.50 % |
| ydraulic flow - Pressure 275 l/min - 350 bar ank capacities 315 l uel tank 315 l liscellaneous Cabin ROPS - FOPS level 2 | Hydraulics | |
| ank capacities 13 I ngine oil 315 I uel tank 315 I liscellaneous Cabin ROPS - FOPS level 2 | Hydraulic pump type | Variable displacement pump |
| Ingine oil 13 I uel tank 315 I liscellaneous Cabin ROPS - FOPS level 2 | Hydraulic flow - Pressure | 275 I/min - 350 bar |
| uel tank 315 l liscellaneous ab certification Cabin ROPS - FOPS level 2 | Tank capacities | |
| discellaneous ab certification Cabin ROPS - FOPS level 2 | Engine oil | 13 |
| ab certification Cabin ROPS - FOPS level 2 | Fuel tank | 315 |
| | Miscellaneous | |
| ontrols JSM | Cab certification | Cabin ROPS - FOPS level 2 |
| | Controls | JSM |

MHT 11250 Mining ST5 - Dimensional drawing

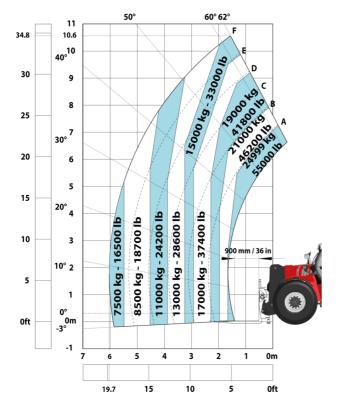




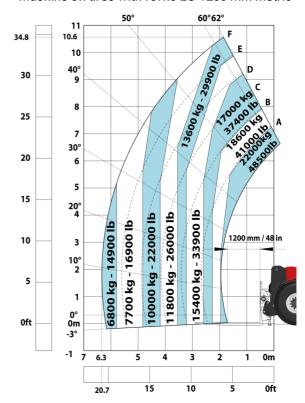


MHT 11250 Mining ST5 - Load chart

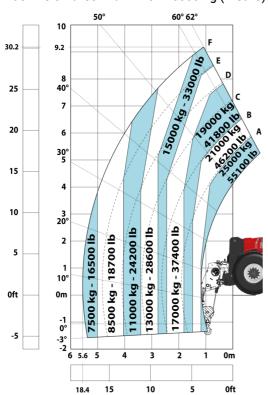
Machine on tires with forks LC 900 mm Metric



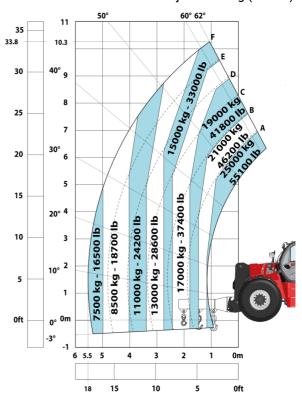
Machine on tires with forks LC 1200 mm Metric



Machine on tires with winch 25000 kg (Metric)

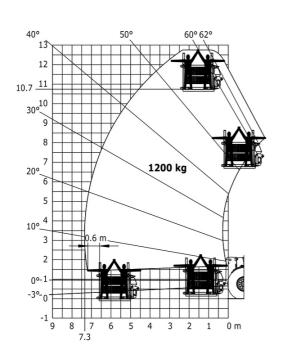


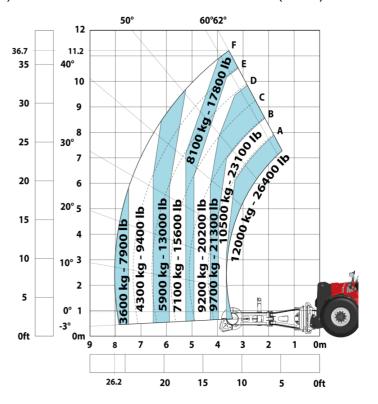
Machine on tires with 3-hook jib 25000 kg (Metric)



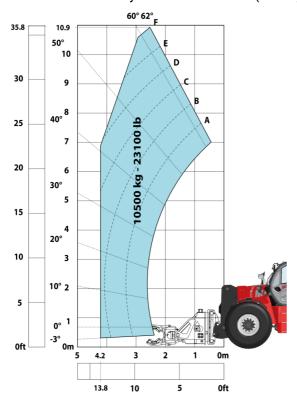
Machine on tires with underground mining platform (Metric)

Machine on tires with tire handler TH 63 (Metric)





Machine on tires with cylinder handler CH 10 (Metric)



Mining Specifications

| | MHT 11250 Mining ST5 |
|--|----------------------|
| Lifting function | |
| Camera in boom head with screen in cab | 0 |
| Clamp predisposition (controls from cabin) | S |
| Working platform predisposition with remote control | S |
| Lighting | |
| Brake Lights ON When Park Brake ON | S |
| Flat Led Rotating Beacon | S |
| LED Flashing Lights On Cabin (Marker Lights) | S |
| LED tramming lights | S |
| LED work lights - On the top of the boom (fixed part) (x2) | S |
| LED working lights on cab (x4 : 2 front + 2 rear) | S |
| Motorization/Power | |
| Hydraulic hose sleeve burst protection | S |
| Radiator safety cap | S |
| Operator station | |
| Cabin first step at 400 mm | S |
| Roof and Windshield Guard | S |
| Other options | |
| Battery + Starter Isolators + Jump Start Receptacle | S |
| Stainless steel tool box | S |
| Pneumatics | |
| Steel mudguards | 0 |
| Secondary functions | |
| Automatic greasing system (AGS) - Chassis + boom | 0 |
| Fast fuel filling system | 0 |
| Security | |
| "Guardian Angel" System Level 1 | S |
| 360° visibility safety system | S |
| Boom cylinder lock | S |
| Electromagnetic braking system TELMA | 0 |
| Emergency steering | S |
| Emergency stop by safety valve | 0 |
| Emergency stop: 1 in cab, 2 on external | S |
| Engine compartment fire prevention kit | 0 |
| Extinguisher brackets (x3) | S |
| Fire suppression system | 0 |
| Fuse board protection - MHT's | S |
| High visibility reflective strips | S |
| Loose wheel nut indicators | S |
| Marking - Warning & Danger decals | S |
| Mining protection grids: right, left and back windows | 0 |
| Negative brakes on front & rear axles | S |
| Rear bumper | 0 |
| Right side bumper | 0 |
| Steel Protection Guards on all working and road lights | \$ |
| System with attachments recognition (E-reco) | S |
| Wheel chocks | S |
| | |

Equipment

Standard

"Guardian Angel" System Level 1

360° visibility safety system

Battery + Starter Isolators + Jump Start Receptacle

Boom cylinder lock

Brake Lights ON When Park Brake ON

Cabin first step at 400 mm

Clamp predisposition (controls from cabin)

Emergency steering

Emergency stop: 1 in cab, 2 on external

Extinguisher brackets (x3)

Flat Led Rotating Beacon

Fuse board protection - MHT's

High visibility reflective strips

Hydraulic hose sleeve burst protection

LED Flashing Lights On Cabin (Marker Lights)

LED tramming lights

LED work lights - On the top of the boom (fixed part) (x2)

LED working lights on cab (x4: 2 front + 2 rear)

Loose wheel nut indicators

Marking - Warning & Danger decals

Negative brakes on front & rear axles

Radiator safety cap

Roof and Windshield Guard

Stainless steel tool box

Steel Protection Guards on all working and road lights

System with attachments recognition (E-reco)

Wheel chocks

Working platform predisposition with remote control

Optional

Automatic greasing system (AGS) - Chassis + boom

Camera in boom head with screen in cab

Electromagnetic braking system TELMA

Emergency stop by safety valve

Engine compartment fire prevention kit

Fast fuel filling system

Fire suppression system

Mining protection grids: right, left and back windows

Rear bumper

Right side bumper

Steel mudguards





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