Technical sheet:

MHT-X 11250 MINING

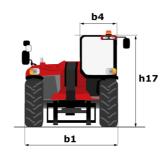


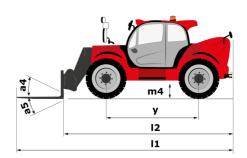


| | Capacities | Metric |
|--|---|---|
| Cased certificity of grants Cased certificity Cased certific | <u> </u> | |
| Max. Infine peight Maximum online peight (with forks) 11 8.52 mm 31610 kg 31610 kg <td< td=""><td></td><td>-</td></td<> | | - |
| Maintain motifacian (with) and dimensions 11 8.52 m 31610 kg | • • | |
| Magnitud dimensions | • • | |
| | | |
| | | I1 8 92 m |
| Stand cleaner MA | • | |
| Wheelbase y 4.10 m Overall width 12 7.12 m Overall high b1 2.84 m Overall clepids b1 3.03 m Overall clepids b4 0.95 m Illisup angle a8 12° Illisup angle a8 12° Illisup angle a8 12° Inches and provided of the section If e's Illisup angle a8 10° Schedul Width / section If e's 1800 mm x 200 mm Innel beveling conceptor a9 10° Wheels 10° 10° Meads 10° 10° Wheels 10° 10° Standard tires 9 10° Number of front wheels / rear wheels 2 / 2 2 wheel steet, 4 wheel steet, chap mode efficient for the steet, forth years 2 / 2 2 wheel steet, 4 wheel steet, Chap mode efficient for the steet, forth years 2 / 2 2 wheel steet, Chap mode efficient for the steet, forth years 2 / 2 2 wheel steet, Amel steet, wheel steet, Amel steet, forth years 2 / 1 / 2 2 / 2 / 2< | | · |
| Leangth to face of forks | | |
| Decal Middh Decal Add Decal | | • |
| Dereal height h17 3.03 m Owenli Leight b4 0.55 m Dirklow angle a5 10 5° Cirkle leight / width / section Wal 5.50 m Crisk sieight / width / section I / e / s 1800 mm x 220 mm x 100 mm Crisk sieight / width / section I / e / s 1800 mm x 220 mm x 100 mm Crisk sieight / width / section I / e / s 1800 mm x 220 mm x 100 mm Crisk sieight / width / section I / e / s 1800 mm x 220 mm x 100 mm Vision of Michael a9 10 ° 10 ° Standard tires a9 10 ° | • | |
| Devail cab width | | |
| Tilly angle 84 12 " Till till till till till till till till | • | |
| Till down angle | | |
| External turning radius (over tyres) Wa1 5.50 m Ords: length / width / section 1 / e / s 1800 mm x 220 mm x 100 mm Profested 39 10 * Wheels 18.00 R25 Standard titres 2 / 2 2.72 Order wheels (front / rear) 2 / 2 / 2 2.8 deeding mode 2.8 deeding mode 3.8 deeding mode 4.8 wheel steer, Crab mode 2.9 deeding mode 4.9 wheel steer, Crab mode 2.9 deeding mode 4.9 mm 8.8 mm 8.8 mm 8.8 mm 8.8 mm 6.8 mm | | |
| Finds length / width / section 1/e / s 1800 mm x 220 mm x 100 mm Frame leveling corrector a9 10 ° Wheels 80 18.00 RZ5 Sundard tires 2 / 2 2 / 2 Drive wheels (front / rear) 2 / 2 2 / 2 Steering mode 2 / 2 2 wheel steer, Crab mode Regine Engine norm Stage IIIA Stage IIIA Engine model 4 ATMITOTTESMU2 3 ATMITOTTESMU2 Number of cylinders / Capacity of cylinders 4 4 4.557 cm² 2 11 Hp / 155 kW Aux. tamque / Engine rotation 805 Nm@1500 pm 805 Nm@1500 pm Engine power rating / Power 805 Nm@1500 pm 3 2 Valuer of plateires 2 2 2 4 Valuer of plateires 2 2 2 2 Statery voltage 9 12 V 4 14.557 cm² Valuer of plateires 2 2 2 2 Valuer of gears (forward / reverse) 2 2 2 2 2 x km/h Valuer of gears (forward / reverse) 2 2 2 2 x km/h 2 2 x x km/h Valuer of gears (forward / reverse) 5 7,70 % / 31.50 % 3 x x x x | - | |
| Tame leveling comector ag 10 ° | | |
| Wheels 18.00 R25 Standard tires 18.00 R25 Orive wheels (front wheels / rear wheels 2 / 2 Drive wheels (front / rear) 2 wheel steer, 4 wheel steer, Crab mode Regine mode Engine 4 Engine brand Yanmar Engine norm Stage IIIA Engine prover acting / Power 4.110/1716-68M/2 Vumber of cylinders / Capacity of cylinders 4.4567 cm² Lo. Engine power acting / Power 805 Nmg/1500 pm Ward Ax. torque / Engine rotation 805 Nmg/1500 pm Warder of batteries 2 Statesy voltage 12 V Transmission hype Pydrostatic Vanuer of gears (forward / reverse) 2 / 2 Max. travel speed 9 Variety of planke 01-inversed multi-discs braking brake Pydrostatic 57.70 % / 31.50 % Engine planke 01-inversed multi-discs braking brake Pydrostatic fow - Pressure 25 km/h Engine planke 01-inversed multi-discs braking brake Pydrostatic flow - Pressure 275 / min - 350 bar Engine planke <t< td=""><td></td><td></td></t<> | | |
| Standard ties 18.00 R25 Number of Iront wheels / rear wheels 2 / 2 Steering mode 2 wheel steer, 4 wheel steer, Crab mode Engine Damb Yanmar Engine norm Stage IIIA Engine power rating / Power 4 . 4557 cm² LC. Engine power rating / Power 211 Hp / 155 kW Max. Engine cooting system 885 kmg/l 500 pm Number of Stateries 2 Intensination for pass (forward / reverse) 2 Vumber of gears (forward / reverse) 2 / 2 Automatic negative parking brake Oll-immersed multi-discs braking on front &re-active brake Service brake Oll-immersed multi-discs braking on front &re-active brake Service brake Variable displacement pump Hydroulic pump type Variable displacement pump Hydroulic flow - Pressure 275 / / min - 350 bar Engine oil 131 Fine centrication Cabin RDPS - FOPS level 2 | | a9 10 ° |
| Number of front wheels / rear wheels 2 / 2 Drive wheels (front / rear) 2 / 2 Steeling mode 2 wheel steet, 4 wheel steet, Crab mode Engine Yanmar Engine bland Stage IIIA Engine model 4 TNINOTTESMU2 Number of cylinders / Capacity of cylinders 4 + 4567 cm² Lice, Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nmg0 500 rpm Engine cooling system Water Vumber of pasteries 2 Statery voltage 12 Y Transmission bye Hydrostatic Vamber of gears (forward / reverse) 2 / 2 Max. travel speed 2 / 2 Max. travel speed 2 / 2 Max. travel speed 0I-immersed multi-disciples Service brake 0I-immersed multi-disciples braking on front 8 resideability (lader / unladen) 5 7.70 % / 31.50 % Hydraulic pump type Variable displacement pump 275 I/min - 350 bar Hydraulic flow - Pressure 275 I/min - 350 bar Engine oil 3 31 Usual travel 3 31 <td></td> <td></td> | | |
| Drive wheels (front / rear) 2 / 2 Steering mode 2 wheel steer, 4 wheel steer, Crab mode Engine Engine brand Yanmar Engine nome Stage IIIA Engine model 4 * 150 cm² LC. Engine power rating / Power 2 111 Hp / 155 kW LC. Engine power rating / Power 805 kmg i 500 cpm LC. Engine rotation 805 kmg i 500 cpm Runber of planteries 2 Vumber of planteries 2 Vumber of gears (forward / reverse) 2 Value 2 / 2 Value 3 / 3 / 3 / 3 / 3 / 3 Value 3 / 3 / 3 / 3 / 3 / 3 / 3 Value 4 / 3 / 3 / 3 / 3 / 3 / 3 Value 3 | | |
| Scienting mode 2 wheel steer, 4 wheel steer, Crab mode Engine brand Yanmar Engine model ATNITOTTE-SAMU2 Number of cylinders / Capacity of cylinders 4.4567 cm² C. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 rpm Registery voltage 42 Statery voltage 12 V Transmission type Hydrostatic Values of pass (forward / reverse) 4.25 km/h Avatual speed 2.7 2 Parking brake Oil-immersed multi-discs braking on front & resided billy (laden / unladen) 5.7.70 % / 31.50 % Service brake Goldeability (laden / unladen) Variable displacement pump Hydraulic flow - Pressure 2.75 l/min - 350 bar Find capacities 3151 Engine oil 131 Livel tank 3151 Misseel Ancess Cabin ROPS - FOPS level 2 | | |
| Engine brand Yanmar Engine brand Yanmar Engine model 4TN107TT-6SMU2 Number of cylinders / Capacity of cylinders 4 - 4567 cm³ LC. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 pm Engine cooling system Water Number of batteries 2 Satetary voltage 12 V Transmission Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed Hydrostatic Number of gears (forward / reverse) Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front 8 re- axies Service brake Oil-immersed multi-discs braking on front 8 re- axies Gradeability (laden / unladen) 57.70 %/31.50 % Hydraulic (bow - Pressure Variable displacement pump Hydraulic (bow - Pressure 275 l/min - 350 bar Engine oil 131 Fuel tank 315 l Misseellaneous Cabin ROPS - FOPS level 2 | , , | |
| Engine brand Yanmar Engine nome Stage IIIA Engine model 4TN107TE-SMU2 Wumber of cylinders / Capacity of cylinders 4 - 4567 cm³ LC. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 rpm Engine cooling system Water Wumber of batteries 2 Enterty voltage 12 V Transmission Mye Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed Automatic negative parking brake Service brake Oll-immersed multi-discs braking on front &re axies Gradeability (laden / unladen) 57.70 % / 31.50 % Hydraulic flow - Pressure Variable displacement pump Hydraulic flow - Pressure 275 l/min - 350 bar Engine oil 315 l Engine oil 315 l Evidealineous Cabin ROPS - FOPS level 2 | Steering mode | 2 wheel steer, 4 wheel steer, Crab mod |
| Engine nome Stage IIIIA Engine model 41N107TF6SMU2 Number of cylinders / Capacity of cylinders 4.4457 cm³ Le. Engine power rating / Power 2.11 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 rpm Water Water Number of batteries 2 Sattery voltage 12 V Transmission type Hydrostatic Number of gears (forward / reverse) 2/2 Number of gears (forward / reverse) 2/5 km/h Parking brake Automatic negative parking brake Service brake Oil-Immersed multi-discs braking on front & re- acks Gradeability (laden / unladen) 57.70 % / 31.50 % Hydraulic flow Pressure 75.70 % / 31.50 % Hydraulic flow Pressure 275 l/min - 350 bar Tank capacities 131 Engine oil 131 Eveletank 3151 Wiscellaneous Cabin ROPS - FOPS level 2 | Engine | |
| Engine model 4TN107TF6SMU2 Number of cylinders / Capacity of cylinders 4 - 4557 cm² L.C. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 pm Number of batteries 2 Battery voltage 12 V Transmission type Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 25 km/h Parking brake Oli-immersed multi-discs braking on front & resolve brake Service brake Oli-immersed multi-discs braking on front & resolve brake Stradeability (laden / unladen) 57.70 % / 31.50 % Hydraulic pump type Variable displacement pump Hydraulic flow - Pressure 275 l/min - 350 bar Tenk capacities 315 l Engine oil 315 l Wiscellaneous Cabin ROPS - FOPS level 2 | Engine brand | Yanmar |
| Number of cylinders / Capacity of cylinders 4 - 4567 cm³ Nuc. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 pm Rumber of batteries 2 Battery voltage 12 V Fransmission Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 2 / 2 Parking brake Oil-immersed multi-discs braking brake Service brake Oil-immersed multi-discs braking on front & re- axles Gradeability (laden / unladen) 57,70 % / 31.50 % Hydraulics Variable displacement pump Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 131 Engine oil 131 S Evel tank 315 I Miscellaneous Cabin ROPS - FOPS level 2 | Engine norm | Stage IIIA |
| C. Engine power rating / Power 211 Hp / 155 kW Max. torque / Engine rotation 805 Nm@1500 rpm Number of batteries 2 Battery voltage 12 V Transmission Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 25 km/h Parking brake Oil-immersed multi-discs braking on front & resolute of parking brake Service brake Oil-immersed multi-discs braking on front & resolute of parking brake Service brake Variable displacement pump axiles Service brake Variable displacement pump dype Hydraulics flow - Pressure 275 l/min - 350 bar Tank capacities 13 l Engine oil 13 l Engine oil 315 l Wilscellaneous Cabin ROPS - FOPS level 2 | Engine model | 4TN107TT-6SMU2 |
| Max. torque / Engine rotation 805 Nm@1500 rpm Engine cooling system Water Number of batteries 2 Battery voltage 12 V Transmission type Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 25 km/h Parking brake Oil-immersed multi-discs braking on front &recaptive parking brake Gradeability (laden / unladen) 57.70 % / 31.50 % Hydraulics Variable displacement pump Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 13 I Engine oil 13 I Fuel tank 315 I Miscellaneous Cabin ROPS - FOPS level 2 | Number of cylinders / Capacity of cylinders | 4 - 4567 cm³ |
| Engine cooling system Number of batteries 2 Battery voltage 2 Battery voltage 3 12 V Transmission Transmission type Number of gears (foward / reverse) Number of gears (foward / reverse) Nat. travel speed Parking brake Service brake Service brake Service brake Service brake Strandeability (laden / unladen) Hydraulics Hydraulics Hydraulic pump type Hydraulic flow - Pressure Strank capacities Fingine oil Fingine | I.C. Engine power rating / Power | 211 Hp / 155 kW |
| Number of batteries 2 Battery voltage 12 V Transmission Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 2 km/h Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front & resulti-discs braking on front & resulti-di | Max. torque / Engine rotation | 805 Nm@1500 rpm |
| Battery voltage Transmission Transmission type Wumber of gears (forward / reverse) Max. travel speed Miscrete speed Max. travel speed Miscrete speed Max. travel speed Max. travel speed Miscrete speed Max. travel speed Miscrete speed Max. travel speed Max | Engine cooling system | Water |
| Transmission Hydrostatic Transmission type 1 2 / 2 Max. travel speed 25 km/h Parking brake Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front & results ax less braking o | Number of batteries | 2 |
| Transmission type Number of gears (forward / reverse) Max. travel speed Parking brake Service brake Service brake Gradeability (laden / unladen) Hydraulics pump type Hydraulic pump type Hydraulic flow - Pressure Engine oil Fuel tank Miscellaneous Cab ic ertification Hydrosalic of the service of the serv | Battery voltage | 12 V |
| Number of gears (forward / reverse) Aux. travel speed Parking brake Service brake Service brake Gradeability (laden / unladen) Hydraulics Hydraulic pump type Hydraulic flow - Pressure Tank capacities Engine oil Fuel tank Miscellaneous Cab ic ertification Cab in ROPS - FOPS level 2 | Transmission | |
| Max. travel speed Parking brake Parking brake Service brak | Transmission type | Hydrostatic |
| Parking brake Service brake Se | Number of gears (forward / reverse) | 2/2 |
| Parking brake Service brake Se | | 25 km/h |
| Service brake Gradeability (laden / unladen) Hydraulics Hydraulic pump type Hydraulic flow - Pressure Tank capacities Engine oil Fuel tank Miscellaneous Cab ic ertification Oil-immersed multi-discs braking on front & resaxles 57.70 % / 31.50 % For Note of the property of the prop | Parking brake | Automatic negative parking brake |
| Hydraulics Variable displacement pump Hydraulic pump type 275 l/min - 350 bar Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 315 l Engine oil 315 l Fuel tank 315 l Miscellaneous Cabin ROPS - FOPS level 2 | Service brake | Oil-immersed multi-discs braking on front 8 |
| Hydraulics Variable displacement pump Hydraulic pump type 275 l/min - 350 bar Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 315 l Engine oil 315 l Fuel tank 315 l Miscellaneous Cabin ROPS - FOPS level 2 | Gradeability (laden / unladen) | 57.70 % / 31.50 % |
| Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 315 l Engine oil 315 l Fuel tank 315 l Miscellaneous Cabin ROPS - FOPS level 2 | Hydraulics | |
| Hydraulic flow - Pressure 275 l/min - 350 bar Tank capacities 315 l Engine oil 315 l Fuel tank 315 l Miscellaneous Cabin ROPS - FOPS level 2 | Hydraulic pump type | Variable displacement pump |
| Tank capacities 13 I Engine oil 315 I Fuel tank 315 I Miscellaneous Cabin ROPS - FOPS level 2 | Hydraulic flow - Pressure | |
| ### Table | Tank capacities | |
| Fuel tank 315 I Miscellaneous Cabin ROPS - FOPS level 2 | | 13 |
| Miscellaneous Cab certification Cabin ROPS - FOPS level 2 | Fuel tank | |
| Cab certification Cabin ROPS - FOPS level 2 | | |
| | | Cahin ROPS - FOPS level 2 |
| | Controls | |

MHT-X 11250 Mining - Dimensional drawing

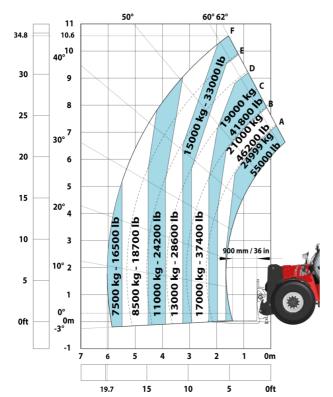




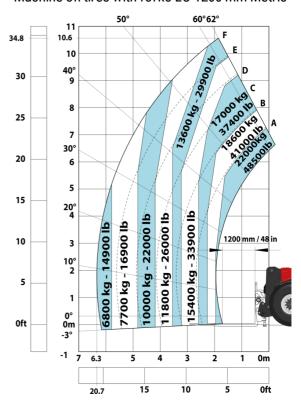


MHT-X 11250 Mining - Load chart

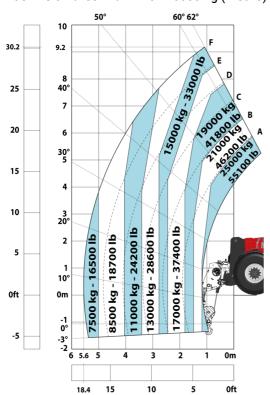
Machine on tires with forks LC 900 mm Metric



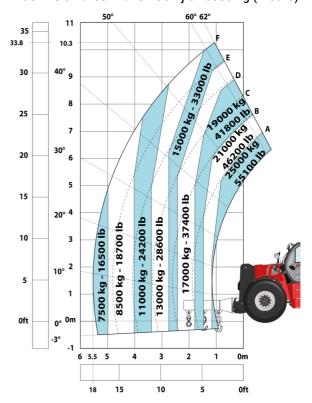
Machine on tires with forks LC 1200 mm Metric



Machine on tires with winch 25000 kg (Metric)

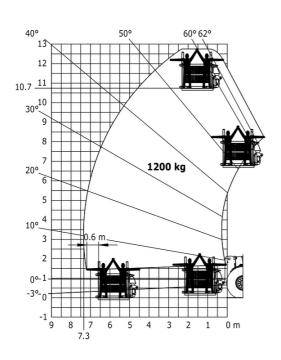


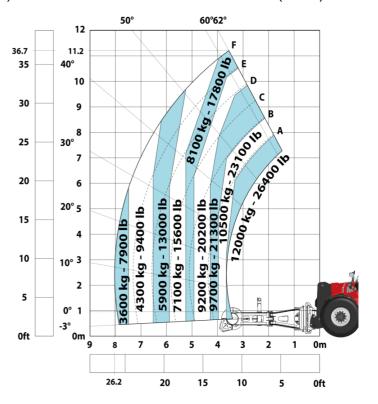
Machine on tires with 3-hook jib 25000 kg (Metric)



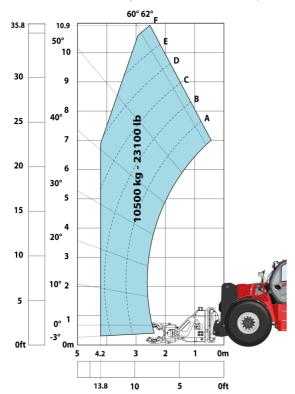
Machine on tires with underground mining platform (Metric)

Machine on tires with tire handler TH 63 (Metric)





Machine on tires with cylinder handler CH 10 (Metric)



Mining Specifications

| | MHT-X 11250 Mining |
|---|--------------------|
| Lifting function | |
| Camera in boom head with screen in cab | S |
| 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 | , |
| Exhaust fume purification system | S |
| Hydraulic hose sleeve burst protection | S |
| Radiator safety cap | S |
| Operator station | J |
| Cabin first step at 400 mm | S |
| Roof and Windshield Guard | S |
| Other options | 3 |
| • | S |
| Battery + Starter Isolators + Jump Start Receptacle Pneumatics | 3 |
| Steel mudguards | 0 |
| Secondary functions | U |
| * | 0 |
| Automatic greasing system (AGS) - Chassis + boom Fast fuel filling system | 0 |
| Security | U |
| "Guardian Angel" System Level 1 | S |
| 360° visibility safety system | S S |
| | s S |
| Boom cylinder lock | 0 |
| Electromagnetic braking system TELMA | S |
| Emergency steering | 0 |
| Emergency stop by safety valve | S |
| Emergency stop: 1 in cab, 2 on external | |
| Engine compartment fire prevention kit | 0 |
| Extinguisher brackets (x3) | S |
| Fire suppression system | 0 |
| Fuse board protection - MHT's | S |
| High visibility reflective strips | \$ |
| Loose wheel nut indicators | S |
| Marking - Warning & Danger decals | \$ |
| Mining protection grids: right, left and back windows | 0 |
| Negative brakes on front & rear axles | \$ |
| Rear and lateral camera with cab screen | \$ |
| Rear bumper | 0 |
| Right side bumper | 0 |
| Steel Protection Guards on all working and road lights | S |
| 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

Camera in boom head with screen in cab

Clamp predisposition (controls from cabin)

Emergency steering

Emergency stop: 1 in cab, 2 on external

Exhaust fume purification system

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

Rear and lateral camera with cab screen

Roof and Windshield Guard

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

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