Technical sheet:

# MHT-X 790 MINING ST3A

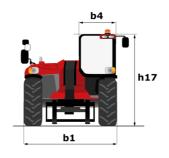


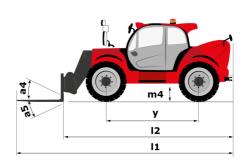


1800   1800		MHT-X 790 MINING ST3A Created on August 12, 2025 at 4:18
od control gravity basin manufactor (gravity basin manufactor (gravity basin manufactor (gravity) basi	Capacities	Metric
As and maintenance   As and	Max. capacity	9000 kg
Sammunumbanch   Sammunumbanc	Load center of gravity	c 600 mm
	Max. lifting height	6.80 m
1316 kg   1316	Maximum outreach	3.70 m
100   100	Weight and dimensions	
round clearance         m/4         0.44 mm           herelistance         y         2.87 m           length to face of forks         12         5.21 m           versell width         bil         2.47 m           versell height         hi7         2.50 m           versell beight         bid         0.93 m           lited on angle         a4         1.2°           lited on angle         a5         1.25°           lited on angle         a5         1.25°           docks length / width / section         Whil         4.89 m           docks length / width / section         1/ e / s         1200 mm x 200 mm x 60 mm           hickles         4.45/65 k22,5         1.2°         1.2°           under of front wheels / rear wheels         2 / 2         2 / 2         2.	_ ·	13160 kg
singth is face of foks         12         5.21 m           reveall width         b1         2.47 m           verall leight         h17         2.55 m           verall cleb width         b4         0.93 m           lite pangle         a4         112 °           lite own angle         a5         125 °           use treated harming and bus (over types)         Wa1         4.89 m           usia leady flywidth / section         1 / e / s         1200 mm x 200 mm x 60 mm           heets         1 / e / s         1200 mm x 200 mm x 60 mm           under of front wheels / rear wheels         2 / 2         2           tendering wheels (front / rear)         2 / 2         2 / 2           time wheels (front / rear)         2 / 2         2 / 2           time wheels (front / rear)         2 / 2         2 / 2           time wheels (front / rear)         3 / 2         2 / 2           time wheels (front / rear)         4 / 45/55 R22,5         3           under of clinder (front / rear)         2 / 2         2 / 2           time wheels (front / rear)         4 / 45/55 R22,5         4           under of general (front / rear)         4 / 45/55 R22,5         4           time wheels (front / rear)         4 / 2	Ground clearance	m4 0.44 m
singth to face of looks         12         5.21 m           veelal width         b1         2.47 m           veelal beight         h17         2.50 m           veelal sheight         h17         2.50 m           veelal chail width         b4         0.93 m           lite own angle         a4         1.2°           lite own angle         a5         1.25°           oxis leaght, width / section         w1         4.89 m           wheels (modify section)         1.6 / 4         1.000 mm x.200 mm x.200 mm           wheels (modified front / rear)         2         2.2           sandard tires         445/55 R22,5         2.2           uncher of front wheels / rear wheels         2.1         2           reintering wheels (front / rear)         2         2 / 2           rie wheels (front / rear)         2         2 / 2           rie wheels (front / rear)         3         2 / 2           rie wheels (front / rear)         4         4.56° Crail           rippine brand         3         2 / 2           rie wheel (front / rear)         4         4.65° Crail           rippine brand         4         4.56° Crail           rippine brand         4         4.56° Crail<	Wheelbase	v 2.87 m
weed lawfidh         b1         2.47 m           veerall height         h17         2.50 m           warril fab width         b4         0.93 m           litup angle         a4         12°           litudom angle         a5         128°           ited and particulated         war         4.89 m           date leading Width' section         war         1.20 mm x 60 mm           heeds         120 mm x 200 mm x 60 mm           middle         445/05 R22_5         120 mm x 200 mm x 60 mm           wheels         445/05 R22_5         2 / 2           teeting wheels (front / rear)         2 / 2         2 / 2           teeting mode         2 / 2         2 / 2           teeting mode         4 45/05 R22_5         3 / 2         2 / 2           teeting mode         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         3 / 3         3 / 3         3 / 3         3 / 3         3 / 3         3 / 3         3 / 3         4 / 450 r m²         2 / 2         2 / 2 / 2 / 3         3 / 3         3 / 3         3 / 3         3 / 3         <	ength to face of forks	
Near   New   Near   New   Ne	Overall width	b1 2.47 m
Institution		
Ilit go angle		
Inflowm angle		
Interest turning addits (over tyres)         Wa 1         4.89 m           Oxis length / width / section         1 / e / s         1200 mm x 200 mm x 60 mm           Residential times         445/65 R22,5           Landard times         2 / 2           Lending wheels (front / rear)         2 / 2           Leeting wheels (front / rear)         2 / 2           Leeting wheels (front / rear)         2 / 2           Leeting mode         2 / 2           Leeting mode         Yanmar           Stage IIIA         3 xmar           Ingine model         4 xmar           Ingine power rating / Power         3 xmar           C. Engine power rating / Power         4 xmar           C. Engine power rating / Power         4 xmar           C. Engine power rating / Power         4 xmar           State (south)         4 xmar           Value         4 xmar           A xmar         4 xmar           Value         4 xmar           A xmar         4 xmar           A xmar         4 xmar	, ,	
oks Ingly width / section         1 / e / s         1200 mm x 200 mm x 600 mm           tandard lites         445/65 R22,5         2 / 2         2 testing three in front wheels / trans wheels (front / rear)         2 / 2         2 /	•	
Inacidat lines Inacid		
tandard tires         445/65 R22,5           unber of front wheels / rear wheels         2 / 2           tending wheels (front / rear)         2 / 2           tree wheels (front / rear)         2 / 2           tending mode         2 wheel steer, 4 wheel steer, Crab mode           ngine         Yanmar           ngine model         4 TN107HTSSMUF           umber of cylinders / Capacity of cylinders         4 - 455 cm²           C. Engine power aling / Power         143 Hp / 105 kW           tax. torque / Engine rotation         602 Nm@1500 rpm           tax torque / Engine rotation         602 Nm@1500 rpm           tax torque / Engine rotation         602 Nm@1500 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         602 Nm@1500 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque / Engine rotation         9 Turbus / 100 rpm           tax torque /	· · · · · · · · · · · · · · · · · · ·	17 e 7 S 1200 Hilli X 200 Hilli X 00 Hilli
umber of front wheels / rear wheels         2 / 2           teering wheels (front / rear)         2 / 2           tree wheels (front / rear)         2 / 2           teering mode         2 wheel steer, 4 wheel steer, Crab mode rugine           ngine         Yannar           ngine band         Stage IIIA           ngine model         4 Th107HT5SBUF           umber of cylinders / Capacity of cylinders         4 - 4557 cm²           C. Engine power rating / Power         143 Hp / 105 KW           tax, torque / Engine rotation         602 Nm@1500 mm           tax, torque / Engine rotation         602 Nm@1500 mm           tax, torque / Engine rotation         9 Construction           tax, tax-torque / Engine rotation         9 Construction           tax, torque / Engine rotation<		445/65 D22 5
Intering wheels (front / rear)		
rive wheels (front / rear)         2 / 2           teering mode         2 wheel steer, A wheel steer, Crab mode           ngine brand         Yanmar           ngine nom         Stage IIIA           ngine mode!         4 * 1NIO7HT-SSMUF           umber of cylinders / Capacity of cylinders         4 * 4567 cm²           6. Engine power rating / Power         143 Hp / 105 kW           at. cottage / Engine rotation         662 Nmgill 500 pm           ngine cooling system         Water           attery voltage         12 V           attery voltage         12 V           attery voltage         19905 daN           ansmission         19905 daN           ansmission type         Hydrostatic           umber of gears (forward / reverse)         2 / 2           lax. travel speed         3 5 km/h           arking brake         Oil-immersed multi-discs braking on front & reavice brake           ydraulic bump type         Variable displacement pump           ydraulic flow - Pressure         185 / /min - 270 bar           and: capacities         131           uple tank         105 l           oise to environment (LwA)         103 dB           ibaction hands/arms         2.25 m/s²		· · · · · · · · · · · · · · · · · · ·
teering mode 2 wheel steer, 4 wheel steer, Crab mode angine angine band angine	- , , ,	
ngine brand         Yanmar           ngine brand         Stage IIIA           ngine model         4.1557 cm²           Umber of cylinders / Capacity of cylinders         4.4567 cm²           C. Engine power rating / Power         1343 Hp / 105 kW           lax. torque / Engine rotation         602 Nm@1500 pm           lax. torque / Engine rotation         602 Nm@1500 pm           ngine cooling system         Water           attery voltage         12 V           ransmission         19005 daN           ransmission type         Hydrostatic           umber of gears (forward / reverse)         2 / 2           ux. travel's geed         35 km/h           arking brake         Automatic negative parking brake           evice brake         Oll-immersed multi-discs braking on front &re avies           updraulics         Variable displacement pump           ydraulic pump type         Variable displacement pump           vigualic flow - Pressure         185 /min - 270 bar           ank capacities         131           uel tank         165 !           oise and vibration         103 dB           oise to environment (LwA)         103 dB           bibation on hands/arms         2.2.50 m/s²           afety / Cab cert		
rgine brand ngine nom ngine model grapher of cylinders / Capacity of cylinders C. Engine power rating / Power L. L. Engine power rating / L. Engine power L. L. Engine power rating / Power L. L. Engine power L. L. Engine power L. L. Engine power L. L. Engine power L. L. L. L. Engine L. L. L. L. L. Engine L. L		2 wheel steer, 4 wheel steer, Grab mo
angine norm         Stage IIIA           A 4TN107HTSSMUF         4TN107HTSSMUF           umber of cylinders / Capacity of cylinders         4 - 4567 cm³           C. Engine power rating / Power         143 Hg / 105 kW           tax. torque / Engine rotation         602 Nm@1500 rpm           ngine cooling system         Water           startery voltage         12 V           rawbar pull         10905 daN           transmission         Hydrostatic           transmission bye         4 Hydrostatic           umber of gears (forward / reverse)         2 / 2           fax. travel speed         35 km/h           axiv. travel speed         Automatic negative parking brake           ence brake         Oil-immersed multi-discs braking on front & reaching brake           vydraulics         Variable displacement pump           vydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         165 l           oise to environment (LwA)         103 dB           oise to environment (LwA)         103 dB           dizection on hands/arms         < 2.20 m/s²		Vannas
Ingline model         ATNIOTHTSSMUF           umber of cylinders / Capacity of cylinders         4 - 4567 cm²           C. Engine power rating / Power         143 Hy / 105 kW           tax. torque / Engine rotation         602 Nm@1500 rpm           negine cooling system         Water           attery voltage         12 V           transmission         10905 daN           transmission type         Hydrostatic           umber of gears (forward / reverse)         2 / 2           tax. travel speed         35 km/h           aking brake         Oil-immersed multi-discs braking brake           evice brake         Oil-immersed multi-discs braking on front & reaxiles           vydraulic         Variable displacement pump           vydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         165 l           oise to environment (LwA)         103 dB           direation on hands/arms         < 2.50 m/s²	•	
umber of cylinders / Capacity of cylinders         4 - 4567 cm³           C. Engine power rating / Power         143 Hp / 105 kW           lax. torque / Engine rotation         602 Nm@1500 rpm           lax. torque / Engine rotation         Water           attery voltage         12 V           rawbar pull         10905 daN           ransmission         Hydrostatic           umber of gears (forward / reverse)         2 / 2           tax. tavel speed         35 km/h           atk pull by take         Automatic negative parking brake           ervice brake         Oil-Immersed multi-discs braking on front &re           ydraulics         Variable displacement pump           ydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         13 l           uolse and vibration         15 l           oise to environment (LwA)         103 dB           direction on hands/arms         < 2.50 m/s²	•	·
C. Engine power rating / Power       143 Hp / 105 kW         lax. torque / Engine rotation       602 Nm@1500 rpm         ngine cooling system       Water         attery voltage       12 V         rawbar pull       10905 daN         ransmission       Hydrostatic         umber of gears (forward / reverse)       2 / 2         tax. travel speed       35 km/h         arking brake       Automatic negative parking brake         envice brake       Oil-immersed multi-discs braking on front & reaxing of reverse waxles         ydraulics       Variable displacement pump         ydraulic joump type       Variable displacement pump         ydraulic flow - Pressure       185 l/min - 270 bar         andix capacities       131         uple tank       155 l         oise on withouton       103 dB         oise to environment (LwA)       103 dB         ibration on hands/ams       < 2.50 m/s²	•	
dax. torque / Engine rotation         602 Nm@1500 rpm           ngine cooling system         Water           attery voltage         12 V           ransmission         10905 daN           ransmission type         Hydrostatic           umber of gears (forward / reverse)         2 / 2           atx. tavel speed         35 km/h           atx. tavel speed         Automatic negative parking brake           enice brake         Oil-immersed multi-discs braking on front & reaking on f		
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12 V   10905 daN		
ranbar pull         10905 daN           ransmission         Hydrostatic           tumber of gears (forward / reverse)         2 / 2           dax. travel speed         35 km/h           arking brake         Automatic negative parking brake           ervice brake         Oil-immersed multi-discs braking on front & reaxles           ydraulics         Variable displacement pump           ydraulic flow - Pressure         185 //min - 270 bar           ank capacities         131           uel tank         165 I           oise and vibration         103 dB           oise to environment (LWA)         103 dB           ibration on hands/arms         < 2.50 m/s²		
ransmission type  tansmission  tansmission type  tansmission type  tansmission  tansmission type  tansmission tansmission tansmission type  tansmission tansmission tansmission tansmission type  tansmission tans	· ·	
transmission type         Hydrostatic           umber of gears (forward / reverse)         2 / 2           lax. travel speed         35 km/h           ark ing brake         Automatic negative parking brake           ervice brake         Oil-immersed multi-discs braking on front & reaxles           ydraulics         Variable displacement pump           ydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         131           uel tank         165 l           loise and vibration         103 dB           oise to environment (LwA)         103 dB           ibration on hands/arms         < 2.50 m/s²	·	10905 daN
tumber of gears (forward / reverse)  flax. travel speed  flax. tra		
lax. travel speed  arking brake  ervice brake  bydraulics  ydraulic pump type ydraulic flow - Pressure  ank capacities  ngine oil  uel tank  bise to environment (LwA) bise to environment (LwA) bistation on hands/arms  afety / Cab certification  35 km/h Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxiles  Variable displacement pump ydraulic flow - Pressure  185 l/min - 270 bar  28 l/min - 270 bar  185 l/min - 270	•	•
Automatic negative parking brake  price brake  pydraulics  ydraulic pump type ydraulic flow - Pressure  ank capacities  ngine oil  uet tank  loise and vibration  oise to environment (LwA) ibration on hands/arms  afety / Cab certification  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axles  Variable displacement pump  ydraulic flow - Pressure  185 l/min - 270 bar  185 l/min - 270 bar  181 l  185 l/min - 270 bar	- ,	
oli-immersed multi-discs braking on front & reaxles  ydraulics  ydraulic pump type  ydraulic flow - Pressure  ank capacities  ngine oil  uel tank  foise and vibration  oise to environment (LwA)  ibration on hands/arms  fiscellaneous  afety / Cab certification  Oil-immersed multi-discs braking on front & reaxles  Avies and subration on hands/arms  Standard EN 15000 - Cabin ROPS - FOPS level		
ydraulic yump type ydraulic pump type ydraulic flow - Pressure ank capacities ngine oil uel tank loise and vibration oise to environment (LwA) ibration on hands/arms liscellaneous afety / Cab certification  Standard EN 15000 - Cabin ROPS - FOPS level	Parking brake	
Variable displacement pump  ydraulic pump type  ydraulic flow - Pressure  ank capacities  ngine oil  uel tank  toise and vibration  oise to environment (LwA) ibration on hands/arms  fiscellaneous  afety / Cab certification  Variable displacement pump  185 l/min - 270 bar  185 l/min	Service brake	
ydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         13 l           uel tank         165 l           toise and vibration         0           oise to environment (LwA)         103 dB           ibration on hands/arms         < 2.50 m/s²	-lydraulics	
ydraulic flow - Pressure         185 l/min - 270 bar           ank capacities         13 l           uel tank         165 l           toise and vibration         0           oise to environment (LwA)         103 dB           ibration on hands/arms         < 2.50 m/s²	Hydraulic pump type	Variable displacement pump
Annix capacities	Hydraulic flow - Pressure	
Ingine oil     13 I       uel tank     165 I       loise and vibration     Image: Company of the c	Fank capacities	
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loise and vibration         103 dB           loise to environment (LwA)         \$2.50 m/s²           libration on hands/arms         < 2.50 m/s²	Fuel tank	
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afety / Cab certification Standard EN 15000 - Cabin ROPS - FOPS level		· 2.00 Hy 0
·		Standard FN 15000 - Cabin ROPS - FOPS
	Controls	

## MHT-X 790 Mining ST3A - Dimensional drawing

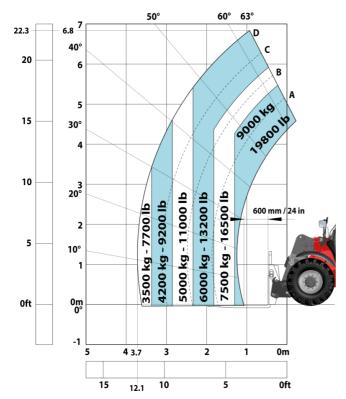




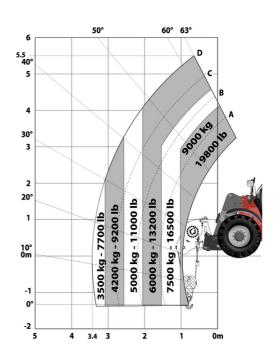


## MHT-X 790 Mining ST3A - Load chart

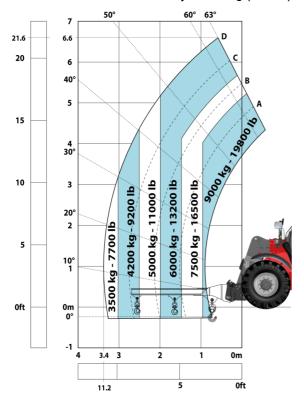
### Machine on tires with forks LC 600 mm Metric



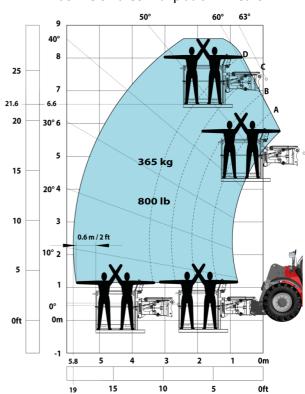
### Machine on tires with winch 9000 kg (Metric)



## Machine on tires with 3-hook jib 9000 kg (Metric)

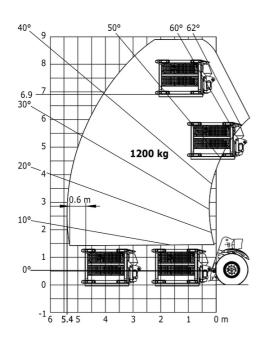


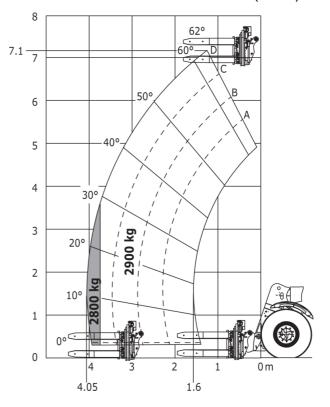
### Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

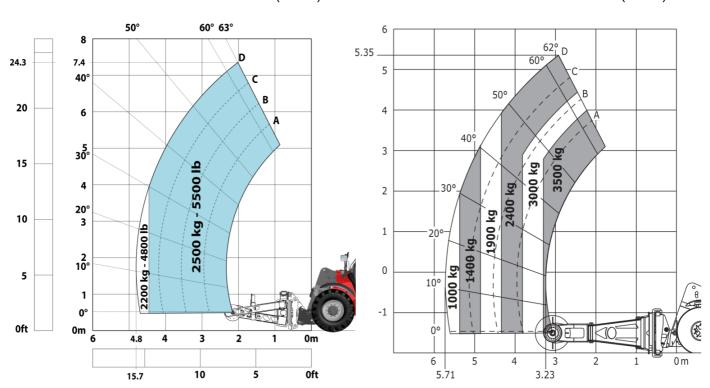
Machine on tires with tire handler TH 35 (Metric)



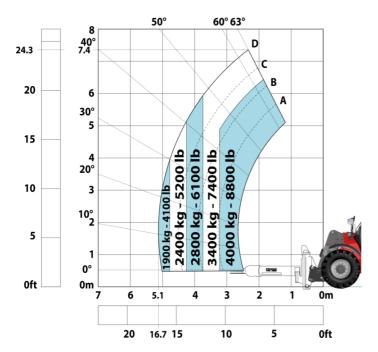


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



# **Mining Specifications**

	MHT-X 790 Mining ST3A
Lifting function	
Clamp predisposition (controls from cabin)	S
Comfort Ride Control (CRC) boom suspension	0
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	0
Radiator safety cap	S
Operator station	
Roof and Windshield Guard	S
Other options	
Battery + Starter Isolators + Jump Start Receptacle	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
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	S
Negative brakes on front & rear axles	S
Rear and lateral camera with cab screen	S
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

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

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

Mining protection grids: right, left and back windows

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

Comfort Ride Control (CRC) boom suspension

Emergency stop by safety valve

Engine compartment fire prevention kit

Fast fuel filling system

 $\label{lem:fire suppression system} \label{fire suppression system}$ 

Hydraulic hose sleeve burst protection

. Rear bumpei

Right side bumper

Steel mudguards





#### **Head Office**

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