Technical sheet :

MT-X 1033 MINING





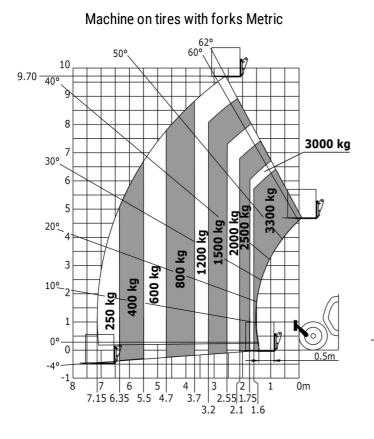
Capacities	Metric	
Max. capacity	3300 kg	
Max. lifting height	9.98 m	
Maximum outreach	7.15 m	
Breakout force with bucket	5330 daN	
Weight and dimensions		
Overall length to carriage	l11 4.93 m	
ength to face of forks	l2 4.93 m	
Dverall width	b1 2.25 m	
Dverall height	h17 2.30 m	
Vheelbase	y 2.69 m	
Ground clearance	m4 0.44 m	
Dverall cab width	b4 0.89 m	
ïlt-up angle	a4 12 °	
ïlt-down angle	a5 114 °	
External turning radius (over tyres)	Wa1 3.66 m	
Inladen weight (with forks)	7745 kg	
Iverall weight	7745 kg	
ires type	Pneumatic	
tandard tires	Alliance 400/80 - 24 - 162	A8
orks length / width / section	I / e / s 1200 mm x 125 mm x 45 n	
Performances	17 C 7 S 1200 mm x 123 mm x 43 m	
ifting	6.70 s	
owering	5.40 s	
xtension	13.60 s	
letraction	8.70 s	
rowd	2.70 s	
	2.70 s 2.30 s	
Dump Engine	2.30 \$	
Engine brand	Perkins	
ingine model	1104D-44 TA	
lumber of cylinders / Capacity of cylinders	4 - 4400 cm ³	
C. Engine power rating - Power	101 Hp / 74.50 kW	
Aax. torque / Engine rotation	410 Nm @ 1400 mm	
Drawbar pull (Laden)	9100 daN	
Fransmission		
ransmission type	Torque converter	
lumber of gears (forward / reverse)	4/4	
Aax. travel speed	27 km/h	
Aax. travel speed (may vary according to applicable regulations)	27 km/h	
arking brake	Manual	
Service brake	Oil-immersed multi-discs on front &	k rear axles
lydraulics		
łydraulic pump type	Gear pump	
łydraulic flow / Pressure	106 l/min-250 bar	
Fank capacities		
ingine oil	11	
łydraulic oil	128	
uel tank	120	
loise and vibration		
loise at driving position (LpA)	76 dB	
loise to environment (LwA)	104 dB	
/ibration on hands/arms	< 2.50 m/s²	
Viscellaneous		
Steering wheels (front / rear)	2/2	
Drive wheels (front / rear)	2/2	
vive wheels (nont/ real)		

Options / Finishing

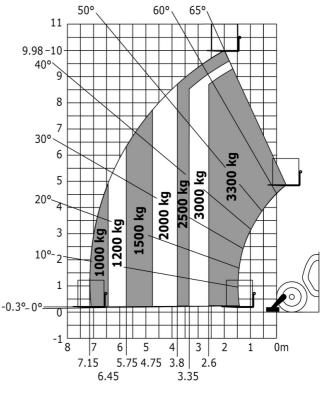
S : Standard / O : Optional / - : Not available

	Standard	Comfort
Lifting function		
Clamp predisposition (controls from cabin)	0	-
Motorization/Power		
Centralized greasing points		0
xhaust fume purification system	S	-
lydraulic hose sleeve burst protection	S	
Aetal cyclonic prefilter	S	
ladiator safety cap	S	
econdary functions		
utomatic greasing system (AGS) - Chassis + boom	0	-
ighting		
rake Lights ON When Park Brake ON	S	-
lat Led Rotating Beacon	S	
ED Flashing Lights On Cabin (Marker Lights)	S	
ED tramming lights	S	-
ED working lights on cab (x4 : 2 front + 2 rear)	S	-
ED work lights - On the top of the boom (fixed part) (x2)	S	-
ecurity		
Guardian Angel" System Level 1	S	-
udio warning on reverse movements (lynx noise)	S	-
oom cylinder lock	S	-
mergency stop: 1 in cab, 2 on external	S	-
ire extinguisher	S	S
ire suppression system	0	-
use board protection - MT's	S	
igh visibility reflective strips	S	-
oose wheel nut indicators	S	
larking - Warning & Danger decals	S	-
lining protection grids: right, left and back windows	S	-
egative brakes on front & rear axles	S	
ear and lateral camera with cab screen	S	-
/heel chocks	S	
/indshield protection grid	S	
ther options		
attery + Starter Isolators + Jump Start Receptacle	S	S

MT-X 1033 Mining - Load chart



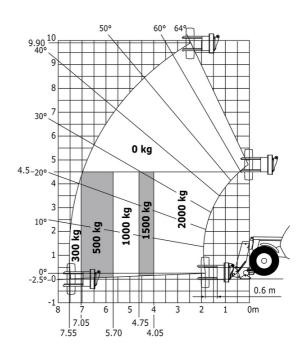
Machine on lowered stabilisers with forks Metric



Machine on tires with tire handler TH 33 (Metric)

50 60 64 9.90¹⁰ 40° 8 7 30° 6 0 kg p 4.5_{-20°} 2000 kg 1000 kg 1500 kg 3 109 500 kg 2 300 kg _____0°___ \mathbf{T} Ψ 0.6 m -1∟ 8 0m 5 3 2 6 1 7.05 7.55 4.75 | 4.05 5.70

Machine on lowered stabilisers with tyre handler TH 33 (Metric)



Mining Specifications

Clamp predisposition (controls from cabin)0LightingBrake Lights ON When Park Brake ONSFlat Led Rotating BeaconSLED Flashing Lights On Cabin (Marker Lights)SLED tramming lightsSLED tramming lightsSLED work lights - On the top of the boom (fixed part) (x2)SLED working lights on cab (x4 : 2 front + 2 rear)SMotorization/PowerExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsSBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsSAutomatic greasing system (AGS) - Chassis + boomOSecurityS"Guardian Angel" System Level 1SAudio warning on reverse movements (lynx noise)SBoom cylinder lockSErnergency stop: 1 in cab, 2 on externalSFire suppression systemOFuse board protection - MT'sSHigh visibility reflective stripsSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection grids: right, left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS		MT-X 1033 Mining
LightingBrake Lights ON When Park Brake ONBrake Lights ON Cabin (Marker Lights)LED Flashing Lights On Cabin (Marker Lights)LED Flashing Lights On Cabin (Marker Lights)LED tramming lightsLED tramming lightsLED work lights - On the top of the boom (fixed part) (x2)LED working lights on cab (x4 : 2 front + 2 rear)Motorization/PowerExhaust fume purification systemHydraulic hose sleeve burst protectionMetal cyclonic prefilterRadiator safety capOther optionsBattery + Starter Isolators + Jump Start ReceptacleSecondary functionsAutomatic greasing system (AGS) - Chassis + boomOSecurity"Guardian Angel" System Level 1Audio warning on reverse movements (lynx noise)Boom cylinder lockEmergency stop: 1 in cab, 2 on externalFire suppression systemOFuse board protection - MT'sHigh visibility reflective stripsLoose wheel nut indicatorsMarking - Warning & Danger decalsMining protection grids: right, left and back windowsNegative brakes on front & rear axlesRear and lateral camera with cab screenWheel chocksSite at and lateral camera with cab screen	Lifting function	
Brake Lights ON When Park Brake ONSFlat Led Rotating BeaconSLED Flashing Lights On Cabin (Marker Lights)SLED tramming lightsSLED tramming lightsSLED work lights - On the top of the boom (fixed part) (x2)SLED working lights on cab (x4 : 2 front + 2 rear)SMotorization/PowerSExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsSBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsSAutomatic greasing system (AGS) - Chassis + boomOSecurityS"Guardian Angel" System Level 1SAudio warning on reverse movements (lynx noise)SBoom cylinder lockSErnergency stop: 1 in cab, 2 on externalSFire suppression systemOFuse board protection - MT'sSHigh visibility reflective stripsSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection grids: right, left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS	Clamp predisposition (controls from cabin)	0
Flat Led Rotating BeaconSLED Flashing Lights On Cabin (Marker Lights)SLED tramming lightsSLED tramming lightsSLED work lights - On the top of the boom (fixed part) (x2)SLED working lights on cab (x4 : 2 front + 2 rear)SMotorization/PowerSExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsSBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsOSecurityS"Guardian Angel" System Level 1SAudio warning on reverse movements (lynx noise)SBoom cylinder lockSEmergency stop: 1 in cab, 2 on externalSFire suppression systemOFuse board protection - MT'sSHigh visibility reflective stripsSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection grids: right, left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS	Lighting	
LED Flashing Lights On Cabin (Marker Lights)SLED Flashing Lights On Cabin (Marker Lights)SLED tramming lightsSLED work lights - On the top of the boom (fixed part) (x2)SLED working lights on cab (x4 : 2 front + 2 rear)SMotorization/PowerSExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsSBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsOSecondary functionsOSecondary functionsSAutomatic greasing system (AGS) - Chassis + boomOSecondary functionsSBoom cylinder lockSEmergency stop: 1 in cab, 2 on externalSFire extinguisherSFire suppression systemOFuse board protection - MT'sSHigh visibility reflective stripsSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection grids: right, left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS	Brake Lights ON When Park Brake ON	S
LED tramming lightsSLED tramming lightsSLED work lights - On the top of the boom (fixed part) (x2)SLED work lights on cab (x4 : 2 front + 2 rear)SMotorization/PowerSExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsSBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsOSecondary functionsOSecondary functionsSAutomatic greasing system (AGS) - Chassis + boomOSecondary functionsSAudio warning on reverse movements (lynx noise)SBoom cylinder lockSEmergency stop: 1 in cab, 2 on externalSFire suppression systemOFire suppression systemOFire suppression systemSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection right; left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS	Flat Led Rotating Beacon	S
LED work lights - On the top of the boom (fixed part) (x2)SLED work lights - On the top of the boom (fixed part) (x2)SLED working lights on cab (x4 : 2 front + 2 rear)SMotofization/PowerSExhaust fume purification systemSHydraulic hose sleeve burst protectionSMetal cyclonic prefilterSRadiator safety capSOther optionsBBattery + Starter Isolators + Jump Start ReceptacleSSecondary functionsOAutomatic greasing system (AGS) - Chassis + boomOSecurityS"Guardian Angel" System Level 1SAudio warning on reverse movements (lynx noise)SBoom cylinder lockSErnergency stop: 1 in cab, 2 on externalSFire suppression systemOFire suppression systemOFuse board protection - MT'sSHigh visibility reflective stripsSLoose wheel nut indicatorsSMarking - Warning & Danger decalsSMining protection grids: right, left and back windowsSNegative brakes on front & rear axlesSRear and lateral camera with cab screenSWheel chocksS	LED Flashing Lights On Cabin (Marker Lights)	S
LED working lights on cab (x4 : 2 front + 2 rear) S Motorization/Power S Exhaust fume purification system S Hydraulic hose sleeve burst protection S Metal cyclonic prefilter S Radiator safety cap S Other options S Battery + Starter Isolators + Jump Start Receptacle S Secondary functions O Automatic greasing system (AGS) - Chassis + boom O Security C "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks	LED tramming lights	S
Motorization/Power S Exhaust fume purification system S Hydraulic hose sleeve burst protection S Metal cyclonic prefilter S Radiator safety cap S Other options S Battery + Starter Isolators + Jump Start Receptacle S Secondary functions O Automatic greasing system (AGS) - Chassis + boom O Security C "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S <td>LED work lights - On the top of the boom (fixed part) (x2)</td> <td>S</td>	LED work lights - On the top of the boom (fixed part) (x2)	S
Sehaust fume purification system S Hydraulic hose sleeve burst protection S Metal cyclonic prefilter S Radiator safety cap S Other options S Battery + Starter Isolators + Jump Start Receptacle S Secondary functions O Automatic greasing system (AGS) - Chassis + boom O Security Cuardian Angel" System Level 1 Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Ernergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	LED working lights on cab (x4 : 2 front + 2 rear)	S
Hydraulic hose sleeve burst protection S Metal cyclonic prefilter S Radiator safety cap S Other options S Battery + Starter Isolators + Jump Start Receptacle S Secondary functions O Automatic greasing system (AGS) - Chassis + boom O Security C "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Ernergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Motorization/Power	
Netal cyclonic prefilter S Retal cyclonic prefilter S Radiator safety cap S Other options S Battery + Starter Isolators + Jump Start Receptacle S Secondary functions O Automatic greasing system (AGS) - Chassis + boom O Security O "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Exhaust fume purification system	S
Adiator safety cap S Other options S Battery + Statter Isolators + Jump Start Receptacle S Secondary functions 0 Automatic greasing system (AGS) - Chassis + boom 0 Security 0 'Guardian Angel' System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire suppression system 0 Fuse board protection - MT'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 Wheel chocks S	Hydraulic hose sleeve burst protection	S
Other options 0 Battery + Stater Isolators + Jump Start Receptacle S Secondary functions 0 Automatic greasing system (AGS) - Chassis + boom 0 Security 0 'Guardian Angel' System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system 0 Fuse board protection - MT'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 Wheel chocks S	Metal cyclonic prefilter	S
Battery + Starter Isolators + Jump Start Receptacle S Secondary functions 0 Automatic greasing system (AGS) - Chassis + boom 0 Security 0 "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system 0 Fuse board protection - MT'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 Wheel chocks S	Radiator safety cap	S
Secondary functions 0 Automatic greasing system (AGS) - Chassis + boom 0 Security 0 "Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system 0 Fuse board protection - MT'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 Wheel chocks S	Other options	
Automatic greasing system (AGS) - Chassis + boom 0 Security	Battery + Starter Isolators + Jump Start Receptacle	S
Security Security "Guardian Angel" System Level 1 S Adudio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Secondary functions	
"Guardian Angel" System Level 1 S Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Automatic greasing system (AGS) - Chassis + boom	0
Audio warning on reverse movements (lynx noise) S Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Security	
Boom cylinder lock S Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	"Guardian Angel" System Level 1	S
Emergency stop: 1 in cab, 2 on external S Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Audio warning on reverse movements (lynx noise)	S
Fire extinguisher S Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Boom cylinder lock	S
Fire suppression system O Fuse board protection - MT'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 Wheel chocks S	Emergency stop: 1 in cab, 2 on external	S
Fuse board protection - MT'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 Wheel chocks S	Fire extinguisher	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 Wheel chocks S	Fire suppression system	0
Loose wheel nut indicators S Loose wheel nut indicators S Marking - Waming & 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 Wheel chocks S	Fuse board protection - MT's	S
Marking - Waming & 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 Wheel chocks S	High visibility reflective strips	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 Wheel chocks S	Loose wheel nut indicators	S
Negative brakes on front & rear axles S Rear and lateral camera with cab screen S Wheel chocks S	Marking - Warning & Danger decals	S
Rear and lateral camera with cab screen S Wheel chocks S	Mining protection grids: right, left and back windows	S
Wheel chocks S	Negative brakes on front & rear axles	S
	Rear and lateral camera with cab screen	S
Windshield protection grid S	Wheel chocks	S
	Windshield protection grid	S



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