Technical sheet :

MLT 630-105 V ST4





MLT 630-105 V ST4 Created on April 25, 2024 at 9:28:29 AM UTC

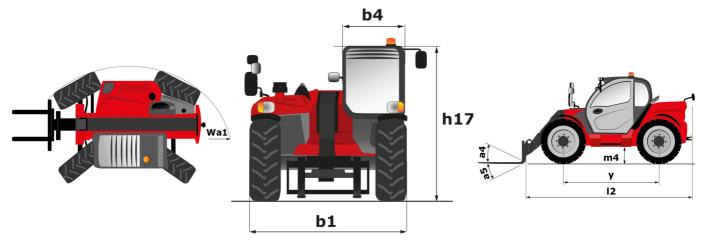
		MLT 630-105 V ST4 (Created on April 25, 2024 at 9:28:29 AM UTC	
Capacities		Metric	Imperial	
Max. capacity	Q	3000 kg	6614 lb	
Max. lifting height	h3	6.10 m	20 ft	
Max. outreach		3.34 m	10 ft 11 in	
Reach at max. height		0.90 m	2 ft 11 in	
Breakout force with bucket		5840 daN	5840 daN	
Weight and dimensions				
Unladen weight (with forks)		6920 kg	15256 lb	
Ground clearance	m4	0.39 m	1 ft 3 in	
Wheelbase	у	2.69 m	8 ft 10 in	
Overall length to carriage (with hitch)	11	4.78 m	15 ft 8 in	
Front overhang		1.25 m	4 ft 1 in	
Overall width	b1	2.13 m	7 ft	
Overall cab width	b4	0.95 m	3 ft 1 in	
Overall height	h17	2.37 m	7 ft 9 in	
Tilt-down angle	a5	133 °	133 °	
Tilt-up angle	a4	13 °	13 °	
External turning radius (over tyres)	Wa1	3.68 m	12 ft 1 in	
Standard tires		Alliance - A580 - 405/70 R24 152A8	Alliance - A580 - 405/70 R24 152A8	
Drive wheels (front / rear)		2/2	2/2	
Steering wheels (front / rear)		2/2	2/2	
Performances				
Lifting		6.50 s	6.50 s	
Lowering		5 s	5 s	
Extension		5.40 s	5.40 s	
Retraction		3 s	3 s	
Crowd		3.40 s	3.40 s	
Dump		2.70 s	2.70 s	
Engine				
Engine brand		Deutz	Deutz	
gine norm		Stage IV	Stage IV	
Engine model		TCD 3.6 I	TCD 3.6 I	
Number of cylinders - Capacity of cylinders		4 - 3621 cm³	4 - 221 in ³	
I.C. Engine power rating / Power		101 Hp / 74.40 kW	101 Hp / 74.40 kW	
Max. torque / Engine rotation		410 Nm @1600 rpm	302 ft/lbs @1600 rpm	
Drawbar pull (Laden)		6540 daN	6540 daN	
Reversible fan		Standard	Standard	
Engine cooling system		3 radiators water + intercooler + hydraulic oil	3 radiators water + intercooler + hydraulic oil	
Transmission		,, ,,,,,,,,,,,,,,,,,,.,	,,,	
Transmission type		M-Varioshift	M-Varioshift	
Number of gears (forward / reverse)		2/2	2/2	
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 mph	
Differential lock			Limited slip differential on front axle	
Parking brake		Limited slip differential on front axle Manual	Manual	
Service brake		Oil-Immersed multi-discs braking on front axles	Oil-Immersed multi-discs braking on front axles	
Hydraulics		L. America mara accordinating on none after		
Hydraulic pump type		Gear pump	Gear pump	
Hydraulic flow - Pressure		104 l/min - 250 bar	27 US gpm - 3626 PSI	
Flow sharing distributor		Option	27 US gpm - 3626 PSI Option	
Tank capacities				
Hydraulic oil		94	25 US gal	
Fuel tank		78		
Diesel Exhaust fluid (AdBlue® type)		13	21 US gal	
Noise and vibration		131	3 US gal	
Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm		74 dB	74 dB	
Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA)				
		105 dB < 2.50 m/s²	105 dB	
Vibration to whole hand/arm		< 2.50 M/S ²	< 2.50 m/s²	
Miscellaneous			* * * *	
ractor homologation			Tractor homologation	
		Tractor homologation		
Safety cab homologation Controls		Iractor nomologation ROPS - FOPS level 2 cab JSM	Iractor homologation ROPS - FOPS level 2 cab JSM	

Options / Finishing

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

Lifting functionNomeEasy Connect System (ECS)S-Easy Connect System (ECS)00Hydraulic turctions (in boom heard)00Hydraulic tatachment tocking00Connect System (ECS)00Charlen per by Dydraulic tatachment tocking00Connect System (ECS)00Charlen per by Dydraulic tatachment tocking00Connect System (ECS)00Connect System (ECS)0SArconditioning with narual adjustment00Arconditioning with narual adjustment0SArtoreaditioning with narual adjustment0SAutomatic webel alignment0SBlueboth USB car adio with integrated microphone (100 W)0SElectin minor with de-icing0SElectin minor with de-icing0SHamony SceenS-Mechanical Glob-coved set (GRAMLER)S-Lontardu Glob-coved set (GRAMLER)S-Lontardu Glob Coved set (GRAMLER)0SMechanical Glob-coved set (GRAMLER)S-Lontardu Glob Coved set (GRAMLER)0SMechanical Glob-coved set (GRAMLER)S-Lon		Classic	Premium	Elite
Easy Connect System (ESS)S.SElectowsher for 2 hydraulic actiontem locking000Return pipe to hydraulic actiontem locking000Return pipe to hydraulic actiontem locking000Portator station actions suspension0000Afric onditioning with automatic adjustment00S-Afric onditioning with automatic adjustment00S-Afric onditioning with automatic adjustment00S-Afric automatic adjustment00S-Afric automatic adjustment00S-Bueboth USB car radio with insegned microphone (100 W)0SElectar minor with decing00SElectar minor with decing00SMachanical cloth-covered seat (GRAMMER)0SInter car adio (50 W)SVision arcen 70SMachanical cloth-covered seat (GRAMMER)00S	Lifting function			
Electrower for 2 lydraulic functions (on boom head)00Hydraulic attachment locking000Return joe b frydraulic attachment locking000Pentor station0000Yachwe CRC' boom suspension00000Atre conditioning with nanual adjustment00 <td< td=""><td></td><td>S</td><td>-</td><td>S</td></td<>		S	-	S
Hydraulic attachment locking00Return pie to hydraulic oil tank000Operator study0000*Active CRC* hoom suppension000SAir conditioning with auturatic adjustment00S-Air conditioning with auturatic adjustment0SAir conditioning with auturatic adjustment0SAir conditioning with auturatic adjustment0SAir conditioning with manual adjustment0SAir conditioning with manual adjustment0SAir conditioning with integrated microphone (100 W)0SBluetooh USB car radio with integrated microphone (100 W)0SExtra first wiper00SHamony sceneSSSTuner car radio (S0 My Carabie)00SVision scene 7'00SSS-Autoratic help wipsulic00SSS-Autoratic help wipsulic00SSSSSContraus for Wipsulic on counterweight00SSSSSSSSSSSSSSSSSSSSSSSSSSSS<			0	
Return pipe to hydraulic oil tank 0 0 Openator station 0 0 Active CRF: boom suspension 0 0 S Air canditioning with autual sigustment 0 0 S Air suspension cloth-covered set (GRAMMER) 0 S		0	0	0
Operator stationOO*Active GRC* boon suppression00SAir conditioning with automatic adjustment00SAir conditioning with manual adjustment0S-Air suppression cloth-coverd seet (GRAMMER)00SAutomatic wheel alignment00SBluetoch USB car radio with integrated microphone (100 W)00SBluetoch USB car radio with integrated microphone (100 W)0S-Extra from with de-icling00SSExtra from with de-icling0SS-Extra from with de-icling00SSExtra from with de-iclingSExtra from with de-iclingSSection screenSVision screen 7'*000S-Continuous flow hydraulics00SSSHord hordte00SSSSSection/Trever000SSSSSection/Trever00SSSSSAdditional fuel tank (42 I)000SSSSAdditional fuel tank (42 I)000OSSSSSSSSSSSSSSSSSSS <t< td=""><td></td><td>0</td><td>0</td><td>0</td></t<>		0	0	0
Air conditioning with automatic adjustment00SAir conditioning with manual adjustment0S				
Air conditioning with automatic adjustment00SAir conditioning with manual adjustment0S	"Active CRC" boom suspension	0	0	S
Air conditioning with manual adjustment0S-Air supersion clob:-covered set (GRAMMER)0S-Automatic wheel alignment00SBluetoch USB car radio with integrated microphone (100 W)0S-Bluetoch USB car radio with integrated microphone (100 W)0S-Electric mirrow with de-icing0SS-Extra front with de-icing0SS-Extra front with de-icing0SS-Inore car adio (50 W)STuer car adio (50 W)SVision scene 7'00S-Continuous flow hytaulics00S-Continuous flow hytaulics00S-Self cleaning air prefiter00S-Secondar function00S1 pair of pre-fited bouble Action rear hydraulic couplers0000Additional fuel tark (42 I)00000Additional fuel tark (42 I)000000Hydraulic pick-up hitch - low position00	· · ·	0	0	S
Air suspension cloh-covered seat (GRAMMER)0S-Automatic wheel alignment00SSBluetoch USC arradio with integrated microphone (100 W)0S-S-Bluetoch USC arradio with integrated microphone (100 W)0SS-SS-Electin miror with deicing00SS-SS-SS-SSSSSS-SS-SSSS-SS		0	S	
Bluetooth USB car radio with integrated microphone (100 W)00SBluetooth USB car radio with integrated microphone (100 W)0SBluetooth USB car radio with integrated microphone (100 W)0SElectire miror with de-icing00SElectire miror with de-icing0SHarmory screenSMechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SVision screen 7'00SMotization/Power00SContinuous flow hydraulics00SBerdondy functions00SSecondary functions00SSecondary functions000Additional fuel tank (421)000Additional fuel tank (421)000Additional fuel tank (421)000Additional towing hitch on counterweight000Hydraulic taing towing hitch000Additional towing hitch hitch close of hooks000Bound taltig towing hitch000Bound taing towing hitch000Bound tain		0	S	
Bluetooth USB car radio with integrated microphone (100 W)00SBluetooth USB car radio with integrated microphone (100 W)0S-Bluetooth USB car radio with integrated microphone (100 W)0SSElectire miror with de-icing00SElectire miror with de-icing0SS-Kate float Wiger0SS-Mechanical cloft-covered seat (GRAMMER)STuner car radio (50 W)SVision screen 7'00SSVision screen 7'00SSVision screen 7'00SSVision screen 7'00SS<	Automatic wheel alignment	0	0	S
Electric minor with de-icing0SExts from wiper0SSHarmony screenSS-Mechanical cloth-covered seat (GRAMMER)STurer car radio (50 W)SVision screen 7"00SSContinuous flow hydraulics00SHand throttle00SSContinuous flow hydraulics00SSHand throttle00SSSecondary functions00SSI pair of prefited Double Action rear hydraulic couplers000Additional fuel tank (42.)0000Additional fuel tank (42.)0000Hydraulic pick-up hitch - low position0000Hydraulic triating towing hitch on counterweight0000Hydraulic triating towing hitch00000Hydraulic triating towing hitch throice of hooks00000Manual rotating towing hitch0000000Boom Work Lights on cab (x4 : 2 front + 2 rear)0SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS		0	0	S
Electric minor with de-icing0SExts from wiper0SSHarmony screenSS-Mechanical cloth-covered seat (GRAMMER)STurer car radio (50 W)SYision screen 7"00SMotorization/Power00SContinuous flow hydraulics00SHand throttle00SSecondary functions00SI pair of pre-fitted Double Action rear hydraulic couplers000Additional fuel tank (42.1)0000Additional fuel tank (42.1)0000Additional fuel tank (42.1)0000Additional treating towing hitch on counterweight0000Hydraulic rickup hitch -low position0000Hydraulic righter brakeSSSSSLadder hitch with choice of hooks0000Manual rotating towing hitch00000Manual rotating towing hitch00000Experide00 </td <td></td> <td>0</td> <td>S</td> <td></td>		0	S	
Harmony screenSS.Mechanical cloth-coverd seat (GRAMMER)STune car radio (50 W)SVision screen 7'OOSMotofization/Power00SContinuous flow hydraulies00S <t< td=""><td>Electric mirror with de-icing</td><td>0</td><td>0</td><td>S</td></t<>	Electric mirror with de-icing	0	0	S
Mechanical cloth-covered seat (GRAMMER)S-Tuner car radio (50 W)SVision screen 7'OOSMototization/PowerOOSContinuous flow hydraulicsOOSHand throttleOOSSelf cleaning air prefilterSSSSelf cleaning air prefilterSSSSelf cleaning air prefilterOOSSelf cleaning air prefilterSSSSecondary functionsOOO1 pair of pre-fitted Double Action rear hydraulic couplersOOOAutomatic rotating towing hitch on counterweightOOOHydraulic pick-up hitch - low positionOOOOHydraulic trailer brakeSSSSLadder hitch with choice of hooksOOOOManual rotating towing hitchSSSSLightingOOOOOBoorn Work Lights (on fixed part) (x2)OSSSFront and rear UED work lights on cab (x4: 2 front + 2 rear)OOOOFront and rear uck lights on cab (x4)OSSSLightingOOOOOOSecurityOOOOOOSecurityOOOOOOLightingOOOO <td>Extra front wiper</td> <td>0</td> <td>S</td> <td>S</td>	Extra front wiper	0	S	S
Tuner car radio (50 W) S - - Vision screen 7' 0 0 S Motorzation/Power 0 0 S Continuous flow hydraulics 0 0 S Gentinuous flow hydraulics 0 0 S Self cleaning air prefilter 0 0 S Secondary functions 0 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 0 Automatic rotating towing hitch on counterweight 0 0 0 Hydraulic prote-fitted Double Action rear hydraulic couplers 0 0 0 Automatic rotating towing hitch on counterweight 0 0 0 Hydraulic prote-fitted Double Action rear hydraulic couplers 0 0 0 Hydraulic prote-fitted Double Action rear hydraulic couplers 0 0 0 Automatic rotating towing hitch on counterweight 0 0 0 0 Hydraulic prote-fitted Double Acting towing hitch S S S S S	Harmony screen	S	S	
Vision screen 7* 0 0 S Motorization/Power 0 0 0 S Continuous flow hydraulics 0 0 S S Hand hrottle 0 0 S S Self cleaning air prefilter S S S S Secondary functions 0 0 0 0 0 S 1 pair of pre-fitted Double Action rear hydraulic couplers 0	Mechanical cloth-covered seat (GRAMMER)	S		
Motorization/PowerImage: state stat	Tuner car radio (50 W)	S		
Continuous flow hydraulics00SHand throttle00SSelf cleaning air prefilterSSSSecondary functionsSSS1 pair of pre-fitted Double Action rear hydraulic couplers000Additional fuel tank (42 l)0SSAutomatic rotating towing hitch on counterweight000Hydraulic pick-up hitch - low position000Hydraulic tailer brakeSSSLadder hitch with choice of hooks000Manual rotating towing hitchSSSLighting0000Boom Work Lights on cab (x4 : 2 front + 2 rear)0SSFront and rear uck Lights on cab (x4 : 2 front + 2 rear)000Ford and rear work Lights on cab (x4)SLED + (4 additional work Lights)0000Security0000Security0000	Vision screen 7"	0	0	S
Hand throttle00SSelf cleaning air prefitterSSSSSecondary functions000001 pair of pre-fitted Double Action rear hydraulic couplers000	Motorization/Power			
Self cleaning air prefilterSSSSecondary functions00001 pair of pre-fitted Double Action rear hydraulic couplers0000Additional fuel tank (42 l)0SSSSAutomatic rotating towing hitch on counterweight000000Hydraulic pick-up hitch - low position00 <td>Continuous flow hydraulics</td> <td>0</td> <td>0</td> <td>S</td>	Continuous flow hydraulics	0	0	S
Secondary functionsImage: secondary functionsImage: secondary functions1 pair of pre-fitted Double Action rear hydraulic couplers000Additional fuel tank (42 l)0000Automatic rotating towing hitch on counterweight0000Hydraulic pick-up hitch - low position00000Hydraulic trailer brake0000000Ladder hitch with choice of hooks000<	Hand throttle	0	0	S
1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Additional fuel tank (42 l) 0 S S Automatic rotating towing hitch on counterweight 0 0 0 Hydraulic pick-up hitch - low position 0 0 0 0 Hydraulic trailer brake 0 0 0 0 0 Ladder hitch with choice of hooks 0 <td< td=""><td>Self cleaning air prefilter</td><td>S</td><td>S</td><td>S</td></td<>	Self cleaning air prefilter	S	S	S
Additional fuel tank (42 l)0SSAutomatic rotating towing hitch on counterweight0000Hydraulic pick-up hitch - low position000<	Secondary functions			
Automatic rotating towing hitch on counterweight00Hydraulic pick-up hitch - low position000Hydraulic trailer brakeSSSLadder hitch with choice of hooks000Manual rotating towing hitchSSSLightingSSSSBoom Work Lights (on fixed part) (x2)0000Front and rear LED work lights on cab (x4 : 2 front + 2 rear)SSSSFront and rear work lights)00000LED + (4 additional work lights)00000SecurityIIIIII	1 pair of pre-fitted Double Action rear hydraulic couplers	0	0	0
Hydraulic pick-up hitch - low position00Hydraulic trailer brakeSSSLadder hitch with choice of hooks000Manual rotating towing hitchSSSLightingSSSSBoom Work Lights (on fixed part) (x2)0000Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0SSSFront and rear work lights on cab (x4)SLED + (4 additional work lights)00000SecuritySSS	Additional fuel tank (42 I)	0	S	S
Hydraulic trailer brakeSSSLadder hitch with choice of hooks000Manual rotating towing hitchSSSLighting0000Boom Work Lights (on fixed part) (x2)0000Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0SSSFront and rear work lights on cab (x4)SLED + (4 additional work lights)00000SecurityImage: SecurityS	Automatic rotating towing hitch on counterweight	0	0	0
Ladder hitch with choice of hooks 0 0 Manual rotating towing hitch S S S Lighting 0 0 0 Boom Work Lights (on fixed part) (x2) 0 0 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 S S Front and rear work lights on cab (x4) S - - LED + (4 additional work lights) 0 0 0 Security 0 0 0 0	Hydraulic pick-up hitch - low position	0	0	0
Manual rotating towing hitch S S S Lighting 0 0 0 Boom Work Lights (on fixed part) (x2) 0 0 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 S S Front and rear work lights on cab (x4) S - - LED + (4 additional work lights) 0 0 0 Security 0 0 0	Hydraulic trailer brake	S	S	S
Lighting O O O Boom Work Lights (on fixed part) (x2) O <td>Ladder hitch with choice of hooks</td> <td>0</td> <td>0</td> <td>0</td>	Ladder hitch with choice of hooks	0	0	0
Boom Work Lights (on fixed part) (x2) 0 0 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 S S Front and rear work lights on cab (x4) S - - LED + (4 additional work lights) 0 0 0 Security - - -	Manual rotating towing hitch	S	S	S
Front and rear LED work lights on cab (x4: 2 front + 2 rear) 0 S S Front and rear work lights on cab (x4) S - - LED + (4 additional work lights) 0 0 0 Security Image: Securit	Lighting			
Front and rear work lights on cab (x4) S - LED + (4 additional work lights) 0 0 Security 0 0	Boom Work Lights (on fixed part) (x2)	0	0	0
LED + (4 additional work lights) 0 0 Security 0 0	Front and rear LED work lights on cab (x4:2 front + 2 rear)	0	S	S
Security	Front and rear work lights on cab (x4)	S		-
	LED + (4 additional work lights)	0	0	0
Audio warning on reverse 0 0 0	Security			
	Audio warning on reverse	0	0	0

MLT 630-105 V ST4 - Dimensional drawing





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