Technical sheet :

MLT 733-115 LSU ST4





MLT 733-115 LSU ST4 Created on April 26, 2024 at 8:23:14 PM UTC

		MEI 733-113 E30 314 (, ,
Capacities		Metric	Imperial
Max. capacity	Q	3300 kg	7275 lb
Max. lifting height	h3	6.90 m	22 ft 8 in
Max. outreach		3.90 m	12 ft 10 in
Reach at max. height		0.90 m	2 ft 11 in
Breakout force with bucket		5770 daN	5770 daN
Weight and dimensions			
Unladen weight (with forks)		7015 kg	15465 lb
Ground clearance	m4	0.44 m	1 ft 5 in
Wheelbase	у	2.81 m	9 ft 3 in
Overall length to carriage (with hitch)	111	4.85 m	15 ft 11 in
Front overhang		1.21 m	4 ft
Overall width	b1	2.39 m	7 ft 10 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.38 m	7 ft 10 in
Tilt-down angle	a5	134 °	134 °
Tilt-up angle	a4	13 °	13 °
External turning radius (over tyres)	Wa1	3.92 m	12 ft 10 in
Standard tires		Alliance - A580 - 460/70 R24 159A8	Alliance - A580 - 460/70 R24 159A8
Drive wheels (front / rear)		2/2	2/2
Steering wheels (front / rear)		2 / 2	2/2
Performances			
Lifting		6.75 s	6.75 s
Lowering		5.65 s	5.65 s
Extension		6.50 s	6.50 s
Retraction		3.90 s	3.90 s
Crowd		3.15 s	3.15 s
Dump		2.55 s	2.55 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage IV	Stage IV
Engine model		TCD 3.6 I	TCD 3.6 I
Number of cylinders - Capacity of cylinders		4 - 3621 cm ³	4 - 221 in ³
I.C. Engine power rating / Power		116 Hp / 85 kW	116 Hp / 85 kW
Max. torque / Engine rotation		410 Nm @1600 rpm	302 ft/lbs @1600 rpm
Drawbar pull (Laden)		7400 daN	7400 daN
Reversible fan		Option	Option
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)	4 radiators (water + intercooler + hydraulic oil + transmission oil)
Transmission			
Transmission type		Torque converter	Torque converter
Gearbox		Powershuttle	Powershuttle
Number of gears (forward / reverse)		4 / 4	4 / 4
Max. travel speed (may vary according to applicable regulations)		32 km/h	20 mph
Differential lock		Limited slip differential on front axle	Limited slip differential on front axle
Parking brake		Manual	Manual
Service brake		Oil-immersed multi-discs on front & rear axles	Oil-immersed multi-discs on front & rear axles
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow - Pressure		150 l/min - 270 bar	40 US gpm - 3916 PSI
Hydraulic flow - Pressure Flow sharing distributor		150 I/min - 270 bar Standard	40 US gpm - 3916 PSI Standard
Hydraulic flow - Pressure Flow sharing distributor Tank capacities		Standard	Standard
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil		Standard 135 l	Standard 36 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank		Standard 135 l 120 l	Standard 36 US gal 32 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type)		Standard 135 l	Standard 36 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration		Standard 135 120 10	Standard 36 US gal 32 US gal 3 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm		Standard 135 l 120 l 10 l 76 dB	Standard 36 US gal 32 US gal 3 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA)		Standard 135 l 120 l 10 l 76 dB 105 dB	Standard 36 US gal 32 US gal 3 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA) Vibration to whole hand/arm		Standard 135 l 120 l 10 l 76 dB	Standard 36 US gal 32 US gal 3 US gal
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA) Vibration to whole hand/arm Miscellaneous		Standard 135 l 120 l 10 l 76 dB 105 dB < 2.50 m/s ²	Standard 36 US gal 32 US gal 3 US gal 76 dB 105 dB < 2.50 m/s ²
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA) Vibration to whole hand/arm Miscellaneous Tractor homologation		Standard 135 I 120 I 10 I 76 dB 105 dB < 2.50 m/s²	Standard 36 US gal 32 US gal 3 US gal 76 dB 105 dB < 2.50 m/s²
Hydraulic flow - Pressure Flow sharing distributor Tank capacities Hydraulic oil Fuel tank Diesel Exhaust fluid (AdBlue® type) Noise and vibration Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA) Vibration to whole hand/arm Miscellaneous		Standard 135 l 120 l 10 l 76 dB 105 dB < 2.50 m/s ²	Standard 36 US gal 32 US gal 3 US gal 76 dB 105 dB < 2.50 m/s ²

Options / Finishing

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

Lifting function S Easy Connect System (ECS) S Electrovalve for 2 hydraulic functions (on boom head) O Hydraulic attachment tocking O Return pipe to hydraulic oil tank O Operator station O *Active CRC* boom suspension O Air conditioning with automatic adjustment O Air conditioning with manual adjustment O Air conditioning with integrated microphone (100 W) O Bluetooth USB car radio with integrated microphone (100 W) O Bluetooth USB car radio with integrated microphone (100 W) O Extra front wiper O Harmony screen S Lateral wiper O Low frequency air suspension cloth seat with heating O Motorization/Power S Continuous flow hydraulics O Secondary functions O 1 pair or pre-filter S Secondary functions O Ladder hitch with choic conterweight O Ladder hitch with choic of hooks O Oom Work Lights (on fixed part) (x2) O Front and rear LBD		Classic
Lectoral velocities for 2 hydrallic functions (on boom head)0Hydrallic attachment locking0Return lipe to hydrallic oil tank0Operator station0Active CRC* boom suspension0Air conditioning with automatic adjustment0Air conditioning with manual adjustment0Air suspension cloth-covered seat (GRAMMER)0Bluetooth USB car radio with extra microphone (100 W)0Extra front wiper0Lateral wiper0Low frequency air suspension cloth seat with heating0Motoautions (50 W)0Motazion/Power0Continuous flow hydrallics0Secondary functions0Secondary functions0Adtional fuel tank (25 1)0Automatic rotating birth on counterweight0Lader hith with choice of hooks0Clypting0Boom Work Lights on cab (x4 : 2 front + 2 rear)0Front and rear LED work lights on cab (x4)5Security0	Lifting function	
Hydraulic attachment locking0Return pipe to hydraulic oil tank0Operator station0*Active CRC" boom suspension0Air conditioning with automatic adjustment0Air conditioning with maula adjustment0Air suspension cloth-covered seat (GRAMMER)0Bluetooth USB car radio with netyra microphone (100 W)0Bluetooth USB car radio with integrated microphone (100 W)0Extra front wiper0Lateral wiper0Low frequency air suspension cloth seat with heating0Mochration/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondar functions0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Uffling0Boom Work Lights on cab (x4 : 2 front + 2 rear)0Front and rear Vork lights on cab (x4)SSecuty0<	Easy Connect System (ECS)	S
Return pipe to hydraulic oil tank 0 Operator station 0 ''Active CRC' boom suspension 0 Air conditioning with automatic adjustment 0 Air suspension cloth-covered seat (GRAMMER) 0 Bluetooth USB car radio with extra microphone (100 W) 0 Bluetooth USB car radio with integrated microphone (100 W) 0 Bluetooth USB car radio with integrated microphone (100 W) 0 Extra front wiper 0 Harmony screen S Lateral wiper 0 Low frequency air suspension cloth seat with heating 0 Motofizidin/Power 0 Continuous flow hydraulics 0 Self cleaning air prefilter S Secondary functions 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4 : 2 front + 2 rear) 0	Electrovalve for 2 hydraulic functions (on boom head)	0
Operator station "Active CRC" boom suspension 0 Air conditioning with automatic adjustment 0 Air conditioning with manual adjustment 0 Air suspension cloth-covered seat (GRAMMER) 0 Bluetooth USB car radio with integrated microphone (100 W) 0 Bluetooth USB car radio with integrated microphone (100 W) 0 Lateral wiper 0 Harmony screen S Lateral wiper 0 Low frequency air suspension cloth seat with heating 0 Mechanical cloth-covered seat (GRAMMER) S Tuner car radio (50 W) S Motorization/Power 0 Continuous flow hydraulics 0 Secondary functions 0 Additional fuel tank (25 I) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Storm wit lights on cab (x4) 0 Storm and rear Work lights on cab (x4): 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S	Hydraulic attachment locking	0
Active CRC boom suspension0Air conditioning with automatic adjustment0Air conditioning with manual adjustment0Air suspension cloth-covered seat (GRAMMER)0Bluetoot USB car radio with extra microphone (100 W)0Bluetoot USB car radio with extra microphone (100 W)0Extra front wiper0Harmony screen0Lateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)0Tuner car radio (50 W)SMotofization/Power0Continuous flow hydraulics0Self cleaning air prefilter0Secondary functions0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (X2)0Front and rear LCD work lights on cab (x4) : 2 front + 2 rear)0Front and rear work lights on cab (x4)0Security0	Return pipe to hydraulic oil tank	0
Air conditioning with automatic adjustment0Air conditioning with manual adjustment0Air suspension cloth-covered seat (GRAMMER)0Bluetooth USB car radio with extra microphone (100 W)0Bluetooth USB car radio with integrated microphone (100 W)0Lateral wiper0Low frequency air suspension cloth seat with heating0Motization/Power0Tuner car radio (50 W)SMotization/Power0Continuous flow hydraulics0Secondary functions0Secondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Dom Work Lights (on fixed part) (x2)0Front and rear Work Lights on cab (x4) <td< td=""><td>Operator station</td><td></td></td<>	Operator station	
Air conditioning with manual adjustment0Air suspension cloth-covered seat (GRAMMER)0Bluetooth USB car radio with extra microphone (100 W)0Bluetooth USB car radio with integrated microphone (100 W)0Extra front wiper0Hamony screen0Lateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)0Tuner car radio (50 W)SMotolzation/Power0Continuous flow hydraulics0Secondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Ladder hitch with choice of hooks0Boom Work Lights (on fixed part) (x2)0Front and rear uck lights on cab (x4) 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	"Active CRC" boom suspension	0
Air suspension cloth-covered seat (GRAMMER)0Bluetooth USB car radio with extra microphone (100 W)0Bluetooth USB car radio with integrated microphone (100 W)0Extra front wiper0Harmony screenSLateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotofization/PowerSContinuous flow hydraulics0Secondary functionsS1 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Egom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4)SSecurity0	Air conditioning with automatic adjustment	0
Bluetodh USB car radio with extra microphone (100 W) 0 Bluetodh USB car radio with integrated microphone (100 W) 0 Extra front wiper 0 Harmony screen S Lateral wiper 0 Low frequency air suspension cloth seat with heating 0 Mechanical cloth-covered seat (GRAMMER) S Tuner car radio (50 W) S Motrization/Power S Continuous flow hydraulics 0 Secondary functions 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 Additional fuel tank (25 1) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Air conditioning with manual adjustment	0
Bluetooth USB car radio with integrated microphone (100 W)0Extra front wiper0Harmony screenSLateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/PowerSContinuous flow hydraulics0Secondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Air suspension cloth-covered seat (GRAMMER)	0
Extra front wiper0Harmony screenSLateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Bluetooth USB car radio with extra microphone (100 W)	0
Harmony ScreenSLateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Bluetooth USB car radio with integrated microphone (100 W)	0
Lateral wiper0Lateral wiper0Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Extra front wiper	0
Low frequency air suspension cloth seat with heating0Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Harmony screen	S
Mechanical cloth-covered seat (GRAMMER)STuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Lateral wiper	0
Tuner car radio (50 W)SMotorization/Power0Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 I)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Low frequency air suspension cloth seat with heating	0
Motorization/Power 0 Continuous flow hydraulics 0 Self cleaning air prefilter S Secondary functions 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 Additional fuel tank (25 l) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Mechanical cloth-covered seat (GRAMMER)	S
Continuous flow hydraulics0Self cleaning air prefilterSSecondary functions01 pair of pre-fitted Double Action rear hydraulic couplers0Additional fuel tank (25 l)0Automatic rotating towing hitch on counterweight0Ladder hitch with choice of hooks0Lighting0Boom Work Lights (on fixed part) (x2)0Front and rear LED work lights on cab (x4 : 2 front + 2 rear)0Front and rear work lights on cab (x4)SSecurity0	Tuner car radio (50 W)	S
Self cleaning air prefilter S Secondary functions 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 Additional fuel tank (25 l) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Motorization/Power	
Secondary functions 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 Additional fuel tank (251) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Continuous flow hydraulics	0
1 pair of pre-fitted Double Action rear hydraulic couplers 0 Additional fuel tank (25 I) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights on rab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4 : 2 front + 2 rear) 0 Security S	Self cleaning air prefilter	S
Aditional fuel tank (25 l) 0 Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Secondary functions	
Automatic rotating towing hitch on counterweight 0 Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	1 pair of pre-fitted Double Action rear hydraulic couplers	0
Ladder hitch with choice of hooks 0 Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security 0	Additional fuel tank (25 I)	0
Lighting 0 Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security S	Automatic rotating towing hitch on counterweight	0
Boom Work Lights (on fixed part) (x2) 0 Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security S	Ladder hitch with choice of hooks	0
Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 Front and rear work lights on cab (x4) S Security S	Lighting	
Front and rear work lights on cab (x4) S Security		0
Security	- , ,	•
		S
Audio warning on reverse 0	Security	
	Audio warning on reverse	0

Premium
S
0
0
0
0
0
S
S
0
S
S
S
0
0
-
-
0
S
0
0
0
0
0
S
-
·
0
U



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