
Technical sheet

MLA-T 533-145 V+

Articulated loaders



Capacities	Specifications
Static tipping load with forks (straight)*	10,974 lbs. (4978 kg)
Static tipping load with forks (full turn)*	9,142 lbs. (4147 kg)
Max. payload with forks as per EN 474-3 (80%)*	7,275 lbs. (3300 kg)
h3 - Max. lifting height (below forks)	17 ft. 1 in. (5.20 m)
Max. outreach	11 ft. 2 in. (3.40 m)
Reach at max. height	3 ft. 11 in. (1.20 m)
Breakout force with bucket	15,129 lbf. (6730 daN)
Weight and dimensions	
Unladen weight (with forks) with cab	18,585 lbs. (8430 kg)
m4 - Ground clearance	1 ft 3 in (0.39 m)
l2 - Overall length to carriage (with hitch)	18 ft 9 in (5.72 m)
y - Wheelbase	8 ft 2 in (2.50 m)
b1 - Overall width (over tires)	7 ft 6 in (2.29 m)
h17 - Overall height with cab	8 ft 11 in (2.70 m)
a4 - Crowd angle	9°
a5 - Dump angle	156°
wa1 - External turning radius (over tires)	13 ft 9 in (4.20 m)
Articulation angle	44°
Standard tires	460/70 R24 159A8 A580 - Alliance
Performances	
Lifting / Lowering	6 / 5.1 s
Extend / Retract	3.80 / 2.4 s
Crowd / Dump	3.50 / 2.70 s
Engine	
Brand	Deutz
Environmental norm	Stage IV / Tier 4 Final
Model	TCD 4.1 L4
Number of cylinders - Cubic capacity	4 - 246.41 in ³ (4038 cm ³)
Power	143 hp / 105 kW
Max. torque @ 1600 rpm	405.65 ft. lbs. (550 Nm)
Transmission	
Type	M-Vario Plus (Continuous Variable Transmission)
Max. travel speed	24.85 mph (40 km/h)
Differential lock	Limited slip differential on front axle
Parking brake	Manual parking brake
Hydraulics	
Hydraulic pump type	Load sensing pump
Hydraulic flow - Pressure	41.73 gpm - 3916.02 psi (158 l/min - 270 bar)
Tank capacities	
Hydraulic oil	40 gal. (150 l)
Fuel	40 gal. (150 l)
Diesel Exhaust fluid (DEF)	2.64 gal. (10 l)
Noise & vibration	
Noise at driving position (LpA)	72 dB(A)
Environmental noise (LwA)	107 dB(A)
Miscellaneous	
Safety	Cab ROPS - FOPS Level 2

*Payload and tipping capacity on tires with 40" forks

General	
Self cleaning air prefilter	S
Hand throttle	S
Speed control	S
Comfort	
Low frequency air suspension cloth-covered seat	S
Air conditioning with automatic adjustment	S
"Active CRC" boom suspension	S
Bluetooth car radio with extra microphone (100 W)	S
Adjustable steering column	S
Floor mat	S
Hydraulic	
Attachment hydraulic locking	S
Easy Connect System (ECS)	S
Continuous flow hydraulics	S
Intelligent Hydraulics	S
Regenerative Hydraulics	S
Attachment hydraulic line	S
Return to Tank	O
Dual Hydraulic Auxiliary Lines	O
Rear Hydraulic -Double Acting	O
Electricity / Safety	
Complete road lighting	S
Rotating beacon light	S
Front and rear LED work lights on cab (x4 : 2 front + 2 rear)	S
Electric mirror with de-icing	S
Tire Options (Overall machine height/width)	
Michelin - 500/70 R24 164A8 Bibload optional (9'0" (2.74 m) / 7'9" (2.36 m)	

Load Chart - on tires with 48" forks compliant with ANSI/ITSDF B56.6

