

	Multicar M31 T	Multicar M31 B	Multicar M31 C	Multicar M31 Hydrostat
Engine and gearbox				
Engine	Volume-produced engine, FPT turbo diesel, displacement 2998 cm³			
Output	110 kW (150 PS) @ 3500 U/min			108 kW (147 PS) @ 3000 U/min
Max. torque	320 Nm @ 1200 U/min			370 Nm @ 1320 U/min
Exhaust emissions	Exhaust emissions according to EURO VI Standard EC 595/2009/EC			
Gear box	5 forward gears and 1 reverse gear; with all-wheel drive incl. crawler gear: 10 forward- and 2 reverse gears			continuously variable hydrostatic drive with two drive modes: transport and working, can be combined with the crawler gear
Driving characteristics				
Speed range class N2	0 - 90 km/h			0 - 70 km/h
Chassis	flexible steel frame in a modular design			
Wheelbase	2450 mm (short), alternatively 2995 mm (long)			
Axles/front suspension	independent suspension with telescopic shock absorbers and additional coil springs			
Axles/rear suspension	with telescopic shock absorbers and additional progressive leaf springs			
Tyres	225/75 R 16 C (standard), other tyres are optionally available			
Cabin	tiltable space-frame cabin, safety cabin compliant with ECE-R 29			
Drive and steering				
Drive	4 x 2-, driver-engaged 4 x 4 all-wheel drive (option)		driver-engaged 4 x 4 all-wheel drive (standard)	
Clutch	hydraulically actuated, asbestos-free			
Steering	Power steering (hydraulic steering), height and tilt adjustable			
Tank capacity	90 litres, Ad Blue 17 litres			
Breaking system	4-wheel disc brakes (ventilated) with 4-channel ABS, compliant with ECE-R-13			additional hydraulic brake slip regulation, compliant with ECE-R 13
Load values				
Permissible gross vehicle weight	up to 5.6 t			up to 5.7 t
Permissible axle load, front	2.4 t/2.7 t		2.7 t	
Permissible axle load, rear	up to 3.67 t			up to 3.8 t
Payload with 4x2 drive*	up to 2.9 t	up to 3.1 t		
Payload with 4x4 drive*	up to 2.8 t	up to 3 t	up to 2.9 t	up to 2.9 t
Permissible trailer load	3.5 t (braked) / 0.75 t (non-braked)			
Total towing weight	7.5 t			
Hydraulics				
Characteristics	Tipper hydraulics: max. 10 l/min max. working pressure 180 bar, optional: preparation light-duty winter service (swivelling/lifting/lowering front attachment – max. 5 l/min)	Stationary hydraulics single-circuit hydraulics up to 55 l/min @ 200 bar up to 40 l/min @ 250 bar (depending on the version)	Mobile hydraulics 3 versions available 1. 1 circuit, gear pump, 1 x 55 l, max. working pressure 200 bar 2. 2 circuits, dual gear pump, 2 x 55 l, max. working pressure 200/250 bar 3. 2 circuits, high-pressure comfort hydraulics, axial piston pump and gear pump, 110 l, max. working pressure 200/300 bar, switchable	Mobile hydraulics 3 versions available 1. 1 circuit, gear pump, 1 x 55 l, max. working pressure 200 bar 2. 2 circuits, dual gear pump, 2 x 55 l, max. working pressure 200/250 bar 3. 2 circuits, high-pressure comfort hydraulics, axial piston pump and gear pump, 110 l + 34 l, max. working pressure 200/300 bar, switchable

Dimensions

4,180 x 1,630 x 2,200 mm