

Cleaning Technology
Municipal Technology
Waterjet Technology

Hako



Multicar M41

Our response to extreme applications

Powerful with an operating weight of up to 7.49 tonnes

MULTICAR M41

Safe

Safe on the road: thanks to permanent all-wheel drive, continuously variable transmission, power-split gearbox and intelligent safety features

Off-road

Full control: with maximum traction, efficient energy use and precise handling



Multifunctional

Typical Multicar: numerous attachments and superstructures for economical year-round use

Powerful

Powerful: with 4.25 t payload, up to 7.49 t operating weight and 4-cylinder in-line diesel engine

Powerful off-road. Flexible on any terrain.

The Multicar M41

Versatile, uncompromisingly powerful and consistently designed for everyday work: the Multicar M41 combines high payload, compact design and modern drive and operating concepts with an economical solution for a wide range of applications. Whether in urban environments, on construction sites or in demanding terrain – with its intelligent technology, intuitive operation and well-thought-out safety features, this all-rounder impresses with its efficiency, comfort and control for year-round use.

Key highlights:

- Up to 7.49 t operating weight and up to 4.25 t payload
- Powerful, efficient 4-cylinder in-line diesel engine (FPT) with 129 kW (175 hp) output – Euro VI-E emission class
- Sophisticated drive system for intelligent power distribution and smooth driving up to a top speed of 90 km/h
- Power-split transmission for maximum efficiency and precision in every speed range
- Extremely manoeuvrable with all-wheel drive and optional all-wheel steering
- Multifunctional with universally usable interfaces for year-round use



Off-road capable. Great climbing power. Ready for any challenge.

The permanent all-wheel drive and standard differential locks increase traction and manoeuvrability even in demanding terrain. The climbing ability at full operating weight is approx. 45 %, and despite the heavy vehicle class, it is even 100 % at empty weight. The standard hill hold function keeps the vehicle in position when stopping on a slope until the electric parking brake is automatically applied. This means no rolling back and easy starting at any time.

Less manoeuvring. More efficiency.

The optional all-wheel steering also has a noticeably positive effect on manoeuvrability. Depending on the situation, the rear axle steers in the opposite direction to the front axle for tight turns or in the same direction in crab mode for safe working in confined spaces. The result: extremely small turning circles for this vehicle class of only 8.27 m (outside) and 3.11 m (inside) – ideal for precise manoeuvring, confined working areas and efficient working without time-consuming repositioning.

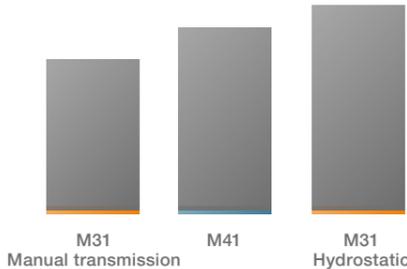
Big tasks. Big performance.

The continuously variable drive makes an immediately noticeable difference: the speed – and with it, the engine speed, can be adjusted to the task at hand without changing gears. This ensures a high level of driving comfort, constant traction and optimum control, especially when carrying out precision work. The user can concentrate fully on the task at hand, experiences less fatigue and works more safely. Further positive effects: more efficient fuel consumption and less wear and tear.

With a top speed of 90 km/h, the Multicar M41 can also be used on motorways and expressways.



Average fuel consumption (l/100 km)



Hydrostatic or mechanical? Both!

The power-split transmission combines precise hydrostatic drive at low speeds with efficient mechanical drive for fast travel. The transition is seamless, with no interruption in traction and extremely fuel-efficient. Another advantage is the three-stage adjustable braking force via the drive train. It can be adjusted to the load and operating conditions at any time, prevents the brakes from overheating, especially when driving uphill, and protects the disc brakes in the long term.



Sensitive control via the drive lever

- 1+2 Longitudinal deflection determines the direction of travel
- 3 Reversing via transverse deflection
- 4 Cruise control via transverse deflection



High comfort. High performance.

Comfort and safety go hand in hand with the Multicar M41. Ergonomic, intuitive controls make everyday work easier for the driver, while innovative features make working noticeably safer – even in challenging traffic situations. Optional assistance systems and well-thought-out details help to minimise risks, improve visibility and make everyday work significantly more comfortable.

White instead of hot

The white vehicle roof reduces the interior temperature of the driver's cab, especially in the head area, thereby also reducing the energy consumption of the air conditioning system.

Safe in every traffic situation

The Multicar M41 has a unique powertrain ABS: if the wheels threaten to lock, the system automatically reduces the braking force applied via the power-split transmission – for optimally modulated brake force distribution and safe, stable braking even in critical situations. The optional turning assistant, which reliably detects dangerous situations in the blind spot, provides additional safety for road users.

Everything under control at all times

Makes everyday work easier: the clearly arranged control panel with easily accessible buttons enables fast, safe and intuitive operation.



Tested and found to be safe: in accordance with ECE-R 29 for safety in all situations.



Typical Multicar

The Multicar M41 draws on the proven hydraulic systems and attachment points of the Multicar series. Different hydraulic variants – from convenient working hydraulics to powerful load-sensing hydraulics – enable the efficient operation of a wide variety of attachments and superstructures. Supplemented by a practical attachment change system, tipping cross member and flexible attachment options, it can be quickly adapted to changing tasks – for productive work with minimal conversion effort.



Always the right solution – whether for stationary or seasonal use

Every season. Every task.

Whether in urban areas, gardening and landscaping, on construction sites or in waste disposal: thanks to universally usable interfaces, the Multicar M41 can be configured with a wide range of attachments and superstructures for economical year-round use. Supported by its high payload, precise driving and drive concept, and extensive operating and safety features, it handles changing tasks efficiently, comfortably and safely at all times.



Green area maintenance



Sweeping



Winter service



Wet cleaning



Weed control



Waste management



Transport



Road maintenance



Special applications



Waterjet technology

Advantages:

- High flexibility in seasonal use – for example, in winter service, green area maintenance or clearing and sweeping tasks
- Year-round applications – for example, for transport work on construction sites with a three-way tipper or skip loader superstructures, or for waste disposal tasks
- Also powerful in combination with Hako Waterjet Technology – for example, for cleaning work or weed removal



EURO VI-E

Euro VI-E emission standard
The Multicar M41 meets the strict requirements of the Euro VI-E emission standard.

Focus on sustainability

Sustainable transport concepts and low-emission mobility are important factors in combating climate change. The Multicar M41 makes an important contribution to dealing with this challenging task.



**Strong in terms of performance.
Strong in terms of responsibility.**

It's never too early to start thinking about sustainability. That's why the Multicar M41, with its powerful 4-cylinder in-line diesel engine, meets the exhaust emission limits set by Euro VI-E, for example.

- Exhaust aftertreatment is optimally guaranteed in all operating conditions.
- Nitrogen oxide and particulate emissions are greatly reduced.
- Municipal use becomes even more sustainable and future-proof.



Extending your machine's service life

The diesel engine, heavy-duty design and wear-reducing technologies such as the continuously variable drive ensure that the Multicar M41 can be used efficiently for many years. This reduces both the need for premature replacement and the overall environmental impact. Our Hako-Full-Service offerings, regular maintenance and timely repairs ensure operational readiness and further increase the machine's service life.

Protecting people's health

To ensure that noise does not become a nuisance for the driver and the surrounding area, the Multicar M41's mechanical drive, for example, reduces noise emissions to a minimum at high speeds.

Fewer emissions at the job site

This is ensured by the use of exhaust gas purification systems, catalytic converters and diesel particulate filters.





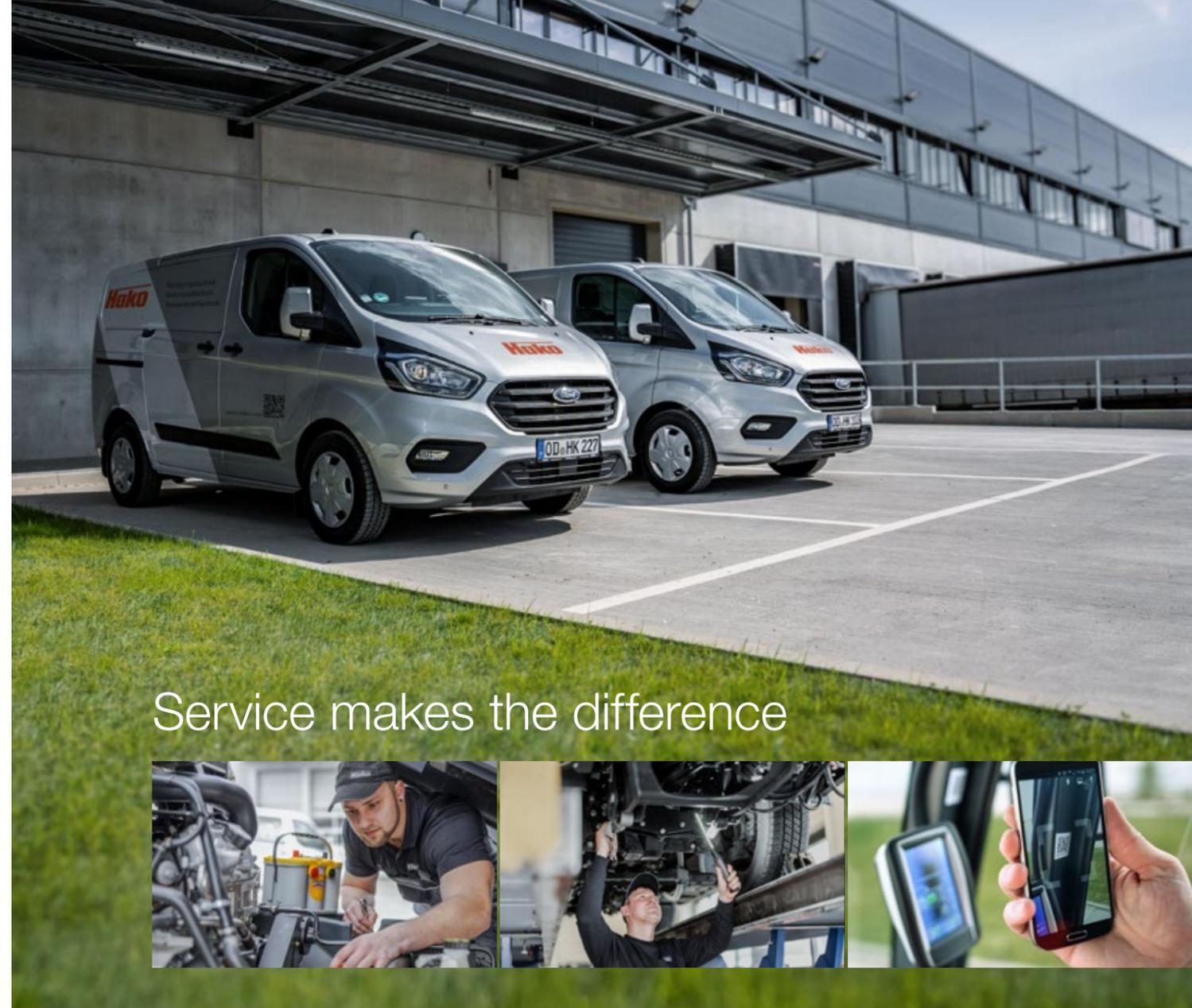
Hako-Fleet-ready!

Intelligent Municipal Technology from Hako becomes even smarter when you monitor its use with Hako-Fleet-Management. The data obtained can not only serve as a basis for even more economical use, but also for being one step closer to the solution in the event of a service call. Hako-Fleet-Management allows you to track the use of the Multicar M41. If a fault causes the vehicle to come to a standstill, its location on the map is sent to the Fleet Portal. Operational results and statistics are clearly displayed in the web portal.



Hako-Fleet-Management: here's why!

- Recording of all important service data and operating states
- Clear presentation in the web portal, available 24/7
- Full cost transparency and control
- High machine availability
- Avoidance of machine damage
- Provision of performance records
- Compatible with machines from other manufacturers



Service makes the difference



Always quickly on site

Qualified service technicians with fully equipped service vehicles carry out service work promptly and efficiently directly on site.

Professional service

Whether you need repairs, maintenance or safety inspections, your machine is in the best hands in the modern workshops of our subsidiaries, authorised dealers or service partners.

Service via scan

Full access to all machine details and data as well as digital service requests – simply via QR code scan.

For maximum availability

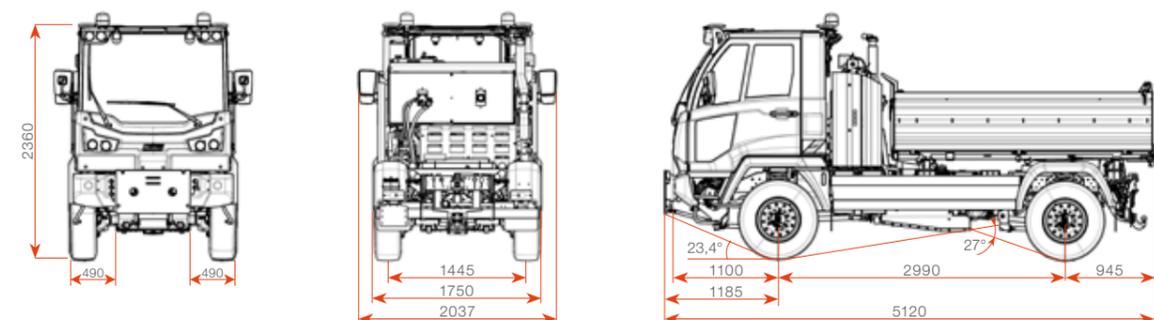
Hako offers tailor-made and scalable services throughout the entire product life cycle.

- Right from the start: with solution-oriented advice directly on site as well as attractive financing and rental options
- After purchasing: with smooth procurement and provision including user training
- During use: with individual service contracts and 24/7 support for fast and professional troubleshooting, high efficiency and permanent machine availability
- At the end of the product's life: with take-back and recycling as well as machine upgrades

Technical data

		Multicar M41 C	Multicar M41 C HK
Engine and transmission	Engine	FPT 4-cylinder in-line diesel engine, Euro VI-E emission class	
	Displacement / output	2,998 cm³ / 129 kW (175 hp) at 2,865 rpm	
	Max. torque	430 Nm at 1,600 rpm	
Working properties	Work hydraulics	Powerful standard hydraulics with 1 working circuit - front or rear - gear pump, max. 55 l/min, 200 bar lift/swivel function for front attachment	Load-sensing hydraulics with 2 working circuits - 1 circuit each at the front and rear - axial piston variable displacement pump, max. 110 l/min at the front, max. 70 l/min at the rear, 200/300 bar, - gear pump for control functions, lift/swivel function for front attachments
	Hydraulic options, among others	2 working circuits - 1 circuit each at the front and rear - double gear pump, max. 2 x 55 l/min, 200 bar summation circuit (max. up to 110 l/min at the front or 70 l/min at the rear), path-dependent spreading via vehicle hydraulics, ground pressure control, additional control functions	Path-dependent spreading via vehicle hydraulics, ground pressure control, additional control functions
	Front attachment mount, optional	Front lift with DIN attachment plate F4 or rigid mounting plate F2	
	Rear attachment mount	On tipper, mounting balls from the superstructure change system, rear lashings	
Drive and steering	Drive	Continuously variable drive with hydrostatic-mechanical power split	
	Drive options	Permanent four-wheel drive, switchable 100% mechanical lock for longitudinal differential, self-locking 40% mechanical lock for transverse differential	
	Speed transport mode	0 to 90 km/h, continuously variable	
	Speed working mode	0 to 20 km/h, continuously variable	
	Steering	Front-wheel steering, optional four-wheel steering	
	Tank volume	90 l	
	Brakes	Hydraulic dual-circuit braking system, disc brakes front/rear, standard ABS and hydrostatic ABS acting on all four wheels, electromechanical parking brake with hill-holder function acting on all four wheels	
	GVW	7.49 t	
Load values	Empty weight *	from 3.24 t (implement carrier, depending on equipment)	
	Payload**	up to 4.25 t (implement carrier, depending on equipment)	
	Perm. axle load front	3.5 t	
	Perm. axle load rear	5.0 t	
	Perm. trailer load	3.5 t (braked) / 0.75 t (unbraked)	
Driving characteristics	Chassis	Comfortable suspension chassis with coil springs, hydraulic vibration dampers and additional rubber springs	
	Frame	Robust, torsion-resistant lightweight steel frame in modular design	
	Axles	Rigid axles, front and rear axle guidance on longitudinal and triangular control arms	
	Cab	Space frame full comfort cab with high-strength special profiles and plastic panelling, safety certified according to ECE-R 29	

*Excluding optional extras and additional attachments/superstructures
 **Optional extras and attachments/superstructures reduce the payload





For a clean future

We are constantly developing our solutions to meet the increasing demands for sustainability: in dialogue with our users, closely aligned with current trends and taking into account the requirements of the future. That is why we are constantly driving our research and development towards measures that increase efficiency and are even more environmentally friendly, as well as important future topics – for example, electromobile solutions in Municipal Technology or digitalised processes.

Already ahead of the curve

More responsibility for the environment: thanks to low emission values and minimal noise levels during operation, our vehicles can also be used in environmental zones and other sensitive areas.



Also active in the fields of Cleaning Technology and Waterjet Technology

The requirements for professional building and outdoor cleaning are just as extensive as the possibilities we offer our customers: from sweepers and vacuum sweepers to scrubber-driers and combination machines to efficient Waterjet Technology for use in industry and commerce.

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Blue Competence is an initiative of VDMA (www.vdma.org). By engaging in this partnership, we are committed to comply with the twelve sustainability principles applied in the field of mechanical and system engineering (www.bluecompetence.net/about).

For the sake of readability, Hako has opted for gender-neutral terminology throughout this document. This includes all people, regardless of their gender or identity.

About our products: We reserve the right to make changes to the shape, colour and design in the interest of technical development. Illustrations may contain optional extras. Services and products may vary from country to country.