





REFORM Metrac

The all-round tool for municipal services application.



The Experts in Action!







Cutting edge technology and safety.

The Reform Metrac Chassis.

Two-axle mowers are designed as automotive tool carriers

for safe and soil protecting work in all areas. The tried and tested Reform Metrac chassis consists of the front and the rear carriage which are connected by a central pivoting link. On this robust chassis, a wide range of attachments can be mounted such as a flail mower, snow blower, snow plough, road sweeper and many more.



Robust driving/steering axles with **planet gear final drives** deliver high pulling force and protect the drive train. The drive shafts are exposed to lower forces, therefore they can be built in a lighter design.

- 1 Internal gear
- 3 Internal sun gear
- 2 Planetary gear
- 4 Planetary gear carrier

Central joint and oscillating axle

The pivoting central joint between pendulum front and rear axles takes care that all 4 wheels have permanent traction, ensuring safe driving behaviour in any situation. You get full power transfer and optimum soil

The large-size **single-disc dry clutch** for the travel drive in the G models and the PTO drive in the H models ensures full power transmission and long service life. The PTO drive of the G models is switched electrohydraulically via a multi disc clutch (G3/G3 X manually).

Mechanical transfer gear with PTO coupling

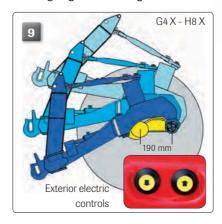
The drive goes from the engine via the clutch to the mechanical transfer gear and from there to the front and rear PTOs. In the G models, the force flows from the mechanical transfer gear via a cardan shaft to the manual gearbox.



Hydraulic lateral displacement



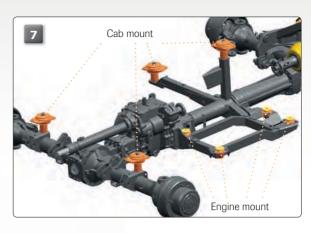
Rotating angle front linkage



The strong, axle guided **front linkage (9)** provides best contour following through pivot points that are located far behind the front axle. The standard hydraulic (G3 / G3 X) or electro-hydraulic weight compensation provides higher traction and better climbing capability combined with best contour following and soil protection. Lateral displacement: Even better slope capability by displacing the centre of gravity. facilitates working close to obstacles and makes mounting of attachments easier.

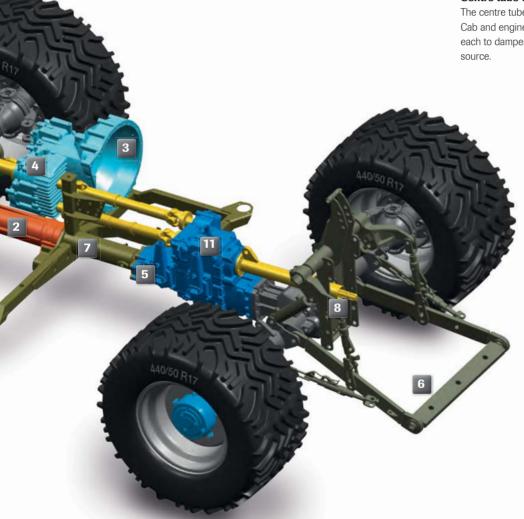
In the G models, the **front PTO (10)** is driven via a multi-disc clutch, and via a single-disc dry clutch in the hydrostat models. The high efficiency of the electro-hydraulically (not in G3 / G3 X) power-shiftable PTO with 540 rpm facilitates the efficient use of

- The **4 wheel drive** (front-wheel drive disconnectable) facilitates maximum power transmission to the ground by optimal distribution of the driving force to both axles.
- The robust **3-point rear linkage** (option) is equipped with double acting cylinders (G3 / G3 X also single acting). The high lifting forces also permits the use of heavy attachments. A particularly helpful feature for mounting attachments conveniently and fast is, as in the font linkage, the standard exterior electric control of the linkages (not in G3 / G3 X). Optional the lower links can be with hook ends.



Centre tube with engine mount and cab mount.

The centre tube provides the robust link between front and rear axle. Cab and engine (not on G3/G3 X) are mounted on 4 rubber mounts each to dampen vibration. Vibrations are neutralised at their very source.



The **rear PTO** is electro -hydraulically switchable and ensures the soft starting of attachments due to the soft start system (does not apply to G3 / G3 X: rear gearbox PTO).

Use the full power with the **mechanical manual gearbox (11)** in the Metrac G-series. The synchronised shuttle gearbox ensures exact and safe gear change in any situation. G4X - G7X optionally with creep speed gear group.

Hydrostatic drive (12) with variable pump and variable motor in the two axle mowers of the H series – this comfort is with a capital C. The hydrostatic drive with 4-speed ranges provides continuous adaptation of the driving speed to the various working conditions and allows for soft, smooth starting also on slopes. The permanent transmission of power generates additional safety on slopes.



REFORM Metrac

2 full attachment areas for a wide range of attachments.

The chassis of the Reform Metrac is designed for mounting attachments both in front and in the rear. Thus two full attachment areas for a large number of implements are available. The robust linkages with standard mounting points facilitate quick mounting and removing of attachments such as flail mower, snow blower, dump bucket, and many more, making the system a versatile and universal tool.

• Front linkage with front PTO

Rear linkage with rear PTO, trailer hitch

Flail mower, sickle mower, rotary disc mower, snow blower, snow plough, road brush, and much more.

Dump bucket, trailer, extension arm boom flail mower, rear spreader, grassland harrow, and much more.



A variety of solutions for practical application.









Metrac in action all year round.







Protecting man and machine

REFORM weight compensation and vibration damping.



The tool follows the ground contours without changing the weight compensation pressure.



The impact load is minimised by gas pressure accumulators.

Electro-hydraulic weight compensation - in G4 X - H7 X

The front linkage with electro hydraulic weight compensation allows the driver to control the ground pressure of front attachments conveniently from the cab. The hydraulic system transfers a large part of the attachment's ground pressure to the front wheels using a specified, adjustable residual pressure in the hydraulic cylinders. The mower virtually hovers above the ground, requiring less pushing force and engine power, gets increased climbing capability and traction, and goes easy on the turf.



The **digital display** shows the set compensation pressure that you pre-select with the push of a button. The electronic system controls the recharging of the accumulators, ensuring that the selected compensation pressure is maintained.

Hydraulic vibration damping (optional / standard)*

All vibrations caused by heavy attachments during fast driving are neutralised, minimising impact load. This means more comfort and safety, and less wear during work for your Metrac including attachment. The switchable vibration damping (also called vibration absorption) is available for the front linkage and/or the rear linkage.



Gas pressure accumulators absorb large part of the vibrations that occur during driving with heavy attachments, especially in road driving.

*see technical specification

Your benefits at a glance:

Electro hydraulic weight compensation:

- Increased climbing and slope capability.
- More traction through weight transfer to the front axle.
- Constant weight compensation for optimal ground following and protection.
- Great convenience by easy, straightforward operation.
- Weight compensation pressure pre-selectable via buttons.
- Setting range from 6 to 120 bar (1 bar increments or quick sweep).
- Permanent desired/actual comparison of the set and the actual compensation pressure.
- An indicator light in the dashboard signals when the weight compensation is active.
- Protection of the hydraulic system and the machine.
- Switchable to the rear linkage (option)

Hydraulic vibration damping:

- Provides smooth driving also with heavy attachments.
- · Comfortable driving with low machine wear.
- Reduces vibration build up in the vehicle during fast road travel with mounted attachment.
- Greatly increased driving comfort in road traffic.
- Easier travel to and from the work area.
- Forces caused by sudden jolts, which are transferred to the axle by the top and lower links, are reduced.
- Damping of vibrations transferred from the ground to an attachment.
- Vibrations caused by uneven ground are absorbed.
- Damping effect also in the cab.
- The vibration damping feature is switchable.

REFORM Metrac

The smart 4 wheel steering system.

Manoeuvrability with 4 wheel steering

The hydrostatic steering system with four steering modes as standard equipment is the crowning achievement in chassis design. The steering mode can be switched conveniently by the push of a button, even during driving.

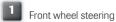
The "thinking" steering system

Sensors report the straight alignment of the wheels to the steering control unit, which enables the fully automatic switch of steering modes, e.g., from front to 4 wheel steering and vice versa.



The 4 steering modes







2 Rear wheel steering



4 wheel steering



4 Crab steering

Front wheel steering

- For driving on roads, for save, stable driving at high speeds.
- For working with rear mounted attachments or trailer operation.

2 Rear wheel steering

Used mainly on level to moderately sloped terrain. With rear wheel steering, the direction of front mounted attachments can be better controlled than with front wheel steering. Moreover, the font attachment is not subject to lateral "shift" during steering, allowing for much smoother and more consistent work.

3 4 wheel steering

The special features of the original Reform 4 wheel steering:

- High manoeuvrability in the tightest of spaces.
- Front and rear wheels are turned at the same angle and run exactly in the same track.

- Maximum soil protection by even, absolutely tension free traction of all 4 wheels.
- Quick and fully automatic switching of steering modes with the push of a button – also during driving.
- Better efficiency through tighter turning circles.

Crab steering

Front wheel steering is used while the rear wheels are turned at an angle; this results in a lateral offset during driving.

- For safe work in extreme contours through a shift in the centre of gravity.
- Working along ditches and fences; the rear wheels stay at a distance.
- Soft ground is protected since each wheel runs in its separate track.





REFORM Metrac H-models (5)



Hydrostatic drive.

The hydrostatic drive with 4 speed ranges enables the stepless adjustment of the driving speed to the various working conditions and provides additional safety on slopes through permanent transmission of power.

Choose your driving mode:

Manual with the multi-function driving lever

Continuous F/R control with stop in the neutral position, for efficient use in partial load operation with low engine speed.

Automotive via accelerator pedal

For the use with snow blower or flail mower, when high PTO speed for clean cut and high power is needed.



The special driving comfort

Speed adjustment and change of driving direction with one driving lever.







ranges

2 hydraulic ranges

or manual



- 1 Variable pump
- 2 Variable motor
- 3 2-range change gearbox



The benefits at a glance:

- 4-speed ranges for maximum power transmission
- · Easy and safe manoeuvring in difficult terrain
- · Soft, smooth starting for special protection of the turf
- Continuous driving speed selection for forward and reverse driving
- · Maximum safety on slopes through permanent transmission of power
- Manual or automotive driving mode depending on application
- · High working comfort for driver and protection for the brakes • Inching pedal as active safety device for fast stopping

REFORM Metrac H8 X

More power for various applications.

The H8 X extends the high end of the Metrac X-series with a powerful **81.5 hp turbo engine**. This model is a true environmental friend in line with emission stage 3B. Excellent lifting forces and axle loads as well as different PTO speeds allow demanding applications, 365 days a year.

The benefits at a glance:

- High engine power (81.5 hp at 2,600 rpm)
- Outstanding torque (340 Nm)
- Hydrostatic drive for continuous driving speed control
- Inching pedal for maximum safety
- 4 steering modes for maximum manoeuvrability
- Top deluxe cab, closed with air conditioning
- Front lifting gear with lateral displacement and electro-hydraulic weight compensation
- Above average axle loads and lifting capacity
- Different PTO speeds
- Switchable 4 wheel drive
- Maximum terrain mobility
- · Highest soil protection
- Option: maintenance-friendly underride protection with cable duct





Get in and feel comfortable

High quality materials, clearly arranged controls as well as **new display units** in the cockpit ensure a high level of driving comfort and operating convenience. Also new is the cable pass-through into the cab at the rear of the Metrac. All hydraulic circuits are marked in colour matching the hydraulic ports.

The wide door opening and the generous space make the H8 X a comfortable workplace. The deluxe cab, equipped with heater and air conditioning (with increased performance) is vibration-damped via cab mountings. The **tilt-adjustable steering column** ensures an optimum seating position.





Powerful and environmentally friendly The 4-cylinder turbo diesel engine of emission stage 3B, equipped with a particulate filter and cooled exhaust gas recirculation, impresses with 81.5 hp, high pulling power, smooth running, and long service life.

With 340 Nm, the **high torque**, available from low revs and across a wide range, delivers excellent engine output with power to spare in any situation.



In order to satisfy individual customer requirements, two different speeds (540 and 1,000 rpm) can be selected on the H8 X both on the front PTO and at the rear PTO. This give you always the **appropriate PTO speed** for your attachment.

The **lateral displacement integrated** in the front linkage facilitates the mounting of attachments and working close to obstacles. With 400 mm travel range, the H8 X copes with every task, even in extreme terrain. The front and rear linkages are equipped with hydraulic vibration damping. This means more comfort and safety, and less wear during work for your Metrac including attachment.



REFORM Metrac H7X

Top performance with the powerful and comfortable top range.

With the **Metrac H7 X**, REFORM offers compact size, productivity and efficiency in the municipal services area. Pleasing optics, comfortable operation and modern technology elevate this model to the top range. Working with a Metrac H7 X is certainly a special treat. Enormous manoeuvrability and soil protection, tried and tested 4 wheel steering, high driving comfort and convincing performance – these benefits are hard to describe in words, they should be experienced hands on.



"Driving a Metrac" is sheer pleasure with the clearly structured and straightforward controls.



Additional functions e.g. hydr. side shift and hydr. top link Rear linkage control 4 wheel steering on/off Forward backward; drive speed

Multi functional operation with one hand!

In the Metrac top range, you control the essential hydraulic functions and the driving direction with the push of a button via the multi-function control lever.

On the **side control panel** you find, clearly arranged and colour coded, further hydraulic functions such as linkage deactivation, weight compensation toggle or oil motor operation (depending on the desired hydraulic system version).





The clearly organised cockpit, with clearly separated **indicator lights and gauges**, provides you permanently with essential information. You can fully focus on your work.

Digital displays: Operating hours meter, daily hours counter, clock, PTO speed front and rear, straight wheel alignment, various warning indicators, temperature display for hydrostatic drive in H models. **Analogue displays:** Fuel gauge, tachometer, speedometer, coolant temperature gauge.

Indicator lights for, e.g., differential locks, 4 wheel drive, hand brake, current steering mode.



REFORM Metrac H7 RX

The spearhead of the mid-range.

The Metrac H7 RX presents itself in a modern and innovative design. The interior has been redesigned and scores with technical highlights such as the tilt and height-adjustable steering column, generous storage areas, and a central colour display with on-board computer. The powerful engine with emission stage 3B takes the driver to his destination efficiently and gently to the environment.

The benefits at a glance:

- High engine power (70 hp / 250 Nm) at emission stage 3 B
- Hydrostatic drive for continuous driving speed control
- · Inching pedal for maximum safety
- 4 steering modes for unbeatable manoeuvrability
- · New spacious interior
- · Very good all-round visibility
- Tilt and height-adjustable steering column
- Central instrument cluster with on-board computer and colour display
- Front linkage with lateral displacement and electro-hydraulic weight compensation
- · Highest payload in its class
- · Highest lifting forces in its class
- Electro-hydraulically switchable 4 wheel drive
- Electro-hydraulically actuated differential locks
- Maximum terrain mobility
- Highest soil protection





The completely redesigned interior of the Metrac H7 RX excels in spaciousness and comfort. A new multi-function control lever facilitates operation and provides for maximum driving pleasure. Thanks to the high air conditioning performance, it remains comfortably cool in the cab even on hot days. The **storage areas have been enlarged** as well. The interior is equipped with a document pocket and a mobile phone holder. Removable floor mats allow easy cleaning of the Metrac cab.

The electric **seat swivel mechanism** always ensures an ergonomic and upright seating position of the driver even on the steepest terrain. The tilt and height-adjustable steering column allows comfortable entry and can be adjusted to the driver's individual requirements.







The **4-cylinder turbo diesel engine** of **emission stage 3B** is powerful and environmentally friendly at the same time. Equipped with a particle filter, it impresses with 70 hp, high pulling power, smooth running, and long service life.

With 250 Nm, the high torque, available already from 1,000 rpm and across a wide range, delivers excellent engine output with power to spare in any situation.



For the H7 RX, the emphasis is on **serviceability** and optimal accessibility of the components. All service and maintenance flaps can be opened easily and without tools. This particularly facilitates the daily service work such as checking and servicing of windscreen washer fluid, air filter, engine oil level, brake fluid reservoir, clutch fluid, etc.

REFORM Metrac H4 X

The small one with the big heart.

The Metrac H4 X is the most compact model with hydrostatic drive and thus a perfect entry level model to the **continuous driving speed adjustment.** This mid-range Metrac convinces not only by its ease of use and comfort, but also by its low dead weight, which makes working in extreme terrain and in confined spaces easy and safe.

The benefits at a glance:

- · Hydrostatic drive for continuous travelling speed control with only one lever
- Front linkage with lateral displacement (option)
- · Low slung and lightweight design for best slope capability
- Top deluxe cab optionally with air conditioning.
- · Electro hydraulic weight compensation.
- 4 wheel steering, switchable to front, rear, and crab steering, ensures highest agility and soil protection.



METRAC H4 X



All **controls** are grouped ergonomically and clearly according to function and are within the driver's reach – so you have everything under control and can fully focus on your work. From the **hydraulic control panel** you control the rear linkage or other hydraulic attachment features conveniently and with the push of a button. Switching a control device to oil motor operation with the push of a button. With the toggle feature between front and rear linkage, you operate the rear linkage including weight compensation conveniently with the multi-function control lever. In the hydrostat models, you select the driving mode (automotive or manual) as well as the speed ranges 1 or 2 in a clearly laid out way at the hydraulic control panel.





The Metrac H4 X has a **front linkage** with integrated lateral displacement.



The **exterior electric control** for the front linkage is standard and makes mounting of attachments much easier.

Powerful working hydraulics with comfort operation

The hydraulics block with electromagnetic operation is the basis for fulfilling the various requirements for attachment operation both in the front and the rear. The control valves are conveniently operated from the multi-function control lever or the control panel to the right of the driver.

The **hydraulic couplings** are easily accessible and marked both with colours and symbols, which makes mounting of attachments so much easier.





REFORM Metrac G models *



Mechanical gearbox.

Shifting made easy – the Metrac G4 – G7 X series comes with standard synchronised shuttle gearbox to provide exact and safe shifting in any situation. The close gear stepping enables optimum usage of the high engine output and provides the right driving speed for any type of work. The manual gearbox has four speeds, which the two- or three range shuttle gearbox translates to 8 or 12 gears, respectively.

- 1 Clutch
- 2 Mech. transfer gear
- **3** 4-speed manual gearbox
- 4 Shuttle gearbox (2 or 3 ranges)



The gear levers are ergonomically and clearly placed.







4 speeds

8F / 8R

12F / 12R (option)

The **mechanic drive** goes from the diesel engine via a single-disc dry clutch to the mechanical transfer gear and from there via a cardan shaft to the 4-speed manual gearbox. This is translated to 8 or 12 speeds, respectively, by the 2- or 3-range shuttle gearbox.



Speeds in kph

	26x12.00-12	29x13.5-15	31x15.5-15	33x15.5-15
Gear I			1.0	1.5
Gear II			1.9	2.6
Gear III			3.0	4.1
Gear IV			4.1	5.7
Gearl	2.0	2.3	2.2	3.1
Gear II	3.3	3.8	4.0	5.6
Gear III	5.5	6.3	6.3	8.8
Gear IV	9.2	10.5	8.8	12.3
Gearl	4.3	5	6.9	9.6
Gear II	7.3	8.3	12.3	17.2
Gear III	12.1	13.8	19.5	27.2
Gear IV	20.1	23.0	27.3	38.0

The benefits at a glance:

- Synchronised shuttle gearbox
- Closely and evenly stepped gears
- Short, direct shifting travels
- Low starting speeds especially in the road gear group
- All speeds are switched in both directions of travel
- 8F / 8R speeds for agricultural use, 12F / 12R speeds (incl. 4 creep speeds) for working in the slow speed range, e.g., snow blower





REFORM Metrac G7X

The premium class in the gearbox area.

Pleasing optics, comfortable operation and modern technology elevate this model to the top range in the gearbox area. Thanks to the proven and reliable REFORM gearbox of the Metrac G7 X, every job is a pleasure. The finely graded speed ranges easily cope with every task.



Adjustable vents in the roof area, vents to the windscreen and in the footwell allow the driver to create his or her individual "working climate".







Take your seat and look forward to your work.

You can work for hours without getting tired with the longitudinally and height adjustable comfort seats with adjustable backrest in different versions:

- 1 Easy care with leatherette cover
- 2 Pleasant with cloth cover
- **3** Comfortable with air damping On request, high backrest, arm, rests, cloth seat cover, seat belt, or side swivel unit.



Exceptional driving comfort with the electric WIPOMAT swivel unit. (option)

A **stereo radio with CD** will make your workday even more enjoyable (option). The **roof area** also accommodates the controls for the air conditioning and ventilation system, switches for auxiliary lights, the cab illumination, as well as rear view mirror and sun visor.





"Driving a Metrac" is sheer pleasure with the clearly structured and straightforward controls.



The clearly organised cockpit, with clearly separated **indicator lights and gauges**, provides you permanently with essential information. You can fully focus on your work.

Digital displays: Operating hours meter, daily hours counter, clock, PTO speed front and rear, straight wheel alignment, various warning indicators, temperature display for hydrostatic drive in H models. **Analogue displays:** Fuel gauge, tachometer, speedometer, coolant temperature gauge.

Indicator lights for, e.g., differential locks, 4 wheel drive, hand brake, current steering mode.





REFORM Metrac G7 RX

The efficient power pack.

With the Metrac G7 RX, the gearbox variant of the hydrostat model H7 RX, REFORM combines efficiency, compactness and productivity in just one vehicle. A completely new design, a spacious interior, ease of maintenance and ergonomic controls make the G7 RX a comfortable flagship model within the proven REFORM gearbox series.

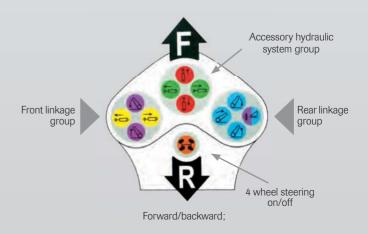
The benefits at a glance:

- High engine power (70 hp / 250 Nm) at emission stage 3 B
- · Mechanical drive
- 4 steering modes for unbeatable manoeuvrability
- · New spacious interior
- · Very good all-round visibility
- Tilt and height-adjustable steering column
- Central instrument cluster with on-board computer and colour display
- Front linkage with lateral displacement and electro-hydraulic weight compensation
- · Highest payload in its class
- · Highest lifting forces in its class
- Electro-hydraulically switchable 4 wheel drive
- Electro-hydraulically actuated differential locks
- Maximum terrain mobility
- · Highest soil protection





The **new multi-function lever** simplifies operation and ensures safe and efficient operation in all situations. It is now possible to operate the central functions, such as front and rear linkage, easily and accurately with one hand. All controls are grouped ergonomically and clearly according to function and are within the driver's has reach – so he has everything under control and can fully focus on his work.







An **on-board computer** with a central colour display completes the attractive appearance of the cockpit, giving the driver an optimal overview.

The display shows important information such as service due, fuel consumption, speed, acreage counter and more.

Highest payload and lifting forces in its class

The Metrac G7 RX has by far the highest payload capacity and the largest lifting capacity in its class. Front and rear linkages lift unbeatable 1,500 kg. The payload is 1,700 kg. These outstanding capacities won't reach their limits so easily.

The front and rear linkages are equipped with hydraulic vibration damping. For you this means: more Comfort and safety and for the Metrac a longer service life by reduced load.



REFORM Metrac G4 X

The versatile multi-talents for any job.

With its Metrac, REFORM has devised a high performing, comfortable and reliable product for applications in municipal services, landscaping, and in many other areas. With this, the most diverse jobs can be handled, safely and precisely, in smallest spaces or in the most extreme terrain. Benefit from the Metrac mid-range through high quality, smart technology, superior function, and efficiency.



The flexible and extremely efficient 4-cylinder engines utilize the maximum torque over a wide speed range and benefit from enormous engine output. The high torque ensures full power and flexibility in partial load operation. The quadruple rubber mounting of engine and cab keeps vibrations out of the cabin.





Everything under control with the multi-function control lever!

In the H models, you select the right driving speed and direction with the multi-function driving lever, irrespective of the engine speed and under load. In the G models, you use the multi-function control lever to switch between forward and reverse gear. The buttons on the multi-function control lever provide unparalleled comfort for operating the most frequently used hydraulic functions:

Front linkage

weight compensation

Activating the Hydr. lateral displacement

steering on/off

Hydr. top link or other functions



Forward / backward













Height adjustable headlights

The toolless height adjustable headlights can be easily adapted to the attachments and the working conditions. Guards protect against damage.



The easily accessible **filler neck** provides for fast filling stops, and the **electrical external control** for the linkage makes mounting and removing of attachments easy.



The clearly organised cockpit, with clearly separated indicator and warning lights, provides essential information permanently. You can fully focus on your work. All controls are ergonomically positioned and clearly arranged in functional groups in the driver's area of vision – so you have everything under control at all times. The wide door opening and the generous space make the Metrac a comfortable workplace. The cab is vibration damped via the cab mountings and can be upgraded to a deluxe cab with heating and air conditioning.

REFORM Metrac G3 X

Compact and comfortable.

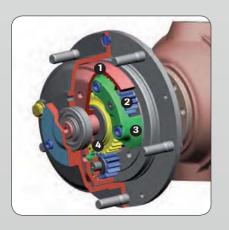
The entry level to the X series has never been more compact than with the G3 X.

A characteristic feature for the X series are the final drives which are easy on the whole drive train and support it at the same time. This reduces wear and increases the service life of the vehicle. The Metrac G3 X can optionally be equipped with a closed cab, heating and defogger, making the machine fit for use in poor weather conditions.

The benefits at a glance:

- · Robust yet highly efficient design
- Powerful technology
- Maximum terrain mobility
- · Optionally with closed cab
- Front linkage with hydraulic weight compensation
- 4 steering modes for unbeatable manoeuvrability
- Switchable 4 wheel drive
- · Low centre of gravity
- · Large footprint
- · Highest soil protection
- · Low dead weight





Planetary final drives for long life

The planetary final drives on the robust driving/steering axles have the benefit that the whole drive train is supported and treated with care at the same time. This reduces wear and increases the service life of the vehicle.

The drive shaft drives the internal gear (1). Via the planetary gears (2) and the fixed internal sun gear (4), a lower rotational speed is induced in the planetary gear carrier (3), which is bolted to the wheel hub. The transferable torque is increased only here. Lower forces act on the drive shaft.





To see and be seen

The Metrac G3 X can be equipped with auxiliary lights and a rotating warning light. For optimal view in twilight and at night.



The **tilt-adjustable steering column** ensures an optimum seating position.

Comfort with a capital 'C'

The driver rollover protection frame with roof, tinted windscreen, right and left side windows, and a rear window provides large head clearance and moving space. Optionally, the G3 X can be fitted with a closed cab including heating and defroster. Higher comfort in all locations and under all conditions.

A spacious workplace

Take your seat in the generously dimensioned deluxe cab and feel instantly at home. All controls are in easy reach and ergonomically arranged in functional groups.



REFORM Metrac G3

The efficient entry level.

Enter the world of two axle mowers!

The Metrac G3 features a high degree of mature technology, paired with very easy operation. Combined with a twin blade mower, the Metrac G3 is an especially lightweight and cost efficient working combination with unbeatable terrain capability. Thanks to good engine output and the power shiftable front PTO, the G3 is also particularly efficient with a rotary disc mower.

- Powerful technology with high efficiency.
- · Uncomplicated, robust technology
- · Particularly low weight for maximum terrain mobility
- Dead weight of only approx. 1,400 kg
- Front linkage with hydraulic weight compensation
- 4 wheel steering system by the push of a button
- 4 steering modes for unbeatable manoeuvrability
- Switchable 4 wheel drive (front wheel drive can be deactivated)
- Power shiftable front PTO
- Very good power to -weight ratio (only 32.3 kg/hp)
- · Low centre of gravity, large footprint
- 26" wheels optionally 29"
- Highest soil protection and agility.



METRAC G3



Even more power

The Metrac G3 features a powerful 4-cylinder diesel engine with 44 hp (32.1 kW) at 2,800 rpm – for even more power reserves when working with the sickle mower. The large, well sealed bonnet, being a highly efficient dust filter, increases maintenance intervals for radiator and fan.

Hydraulic weight compensation

The pre selectable weight compensation pressure is set via a rotary knob and shown at the pressure gauge. If needed, the system is recharged at the push of a button in a matter of seconds.







The generously sized cab

Sit down on the ergonomic comfort seat. All levers and pedals are ergonomically arranged in functional groups. Straight switching travels of the 8F/8R shuttle gearbox provide fast and safe switching even on slopes. The straightforwardly organised dashboard, with clearly structured indicator and warning lights, provides permanently essential information.

Robust linkages

The front and rear linkages with weight compensation ensure optimal work in landscaping and in municipal use. The hydraulic weight compensation in the front linkage has a long accumulation period and therefore lifts at once. The standard front linkage cat. I lifts 900 kg and can be equipped with a hydraulic top link. The optional rear 3-point linkage with moving lower links has a lifting power of 950 kg.





REFORM Metrac accessories

Top equipment for any job.



The detachable **rotating warning light** (optionally LEDs) makes you visible even in poor weather conditions.



One or two **working lights** on or below the cab roof provide best view of the rear working area.



The integrated **auxiliary lights** at the roof front ensures maximum visibility, turning night virtually into day.



Mechanical or automatic **trailer hitches** are available for different applications.



The height adjustable **trailer hitches with slide** are a special advantage (mechanical, automatic, or with ball head).



With the **hydraulic top link**, you can react to uneven ground quickly from the cab or adjust the working depth with the push of a button.



Music from a **stereo radio** with CD will make your workday even more enjoyable.



Comfortable climate with roof-integrated **air conditioning** or additional fresh air supply for closed cab with the integrated **roof ventilation system** (not with G7 RX / H7 RX).



All Metrac models can be finished in your specified **custom paint**.

The robust design of the 3-point rear linkage with weight compensation make the Metrac a universal working machine. The large lifting forces of 1,200 or 1,500 kg in the X (except G3 X)

No load is too heavy for the Metrac rear linkages.

RIII A



Electric external control



Retaining balls cat. 1 and 2 or hook end cat. 2

• Double-acting cylinders (lift/pressure) (switchable to single-acting).

series allow the use of high performance attachments.

- Movable strut supported lower links
- Longitudinally adjustable lifting gear stabilisers and lowering speed control.
- Optional vibration damping (G6 X – H7 X series)
- Switching from front weight compensation to the rear linkage (option).



Extra Stability is achieved by supporting the rear linkage with pull rods on the rear axle.

REFORM Metrac

The climbers with the strong profile.



with 7.50-16

The wide low-pressure tyres with various special profiles ensure **maximum traction**, low ground pressure and reliable turf protection. They provide grip on difficult soils and on steep slopes.

Steering angle non-restricted!

*not shown: 26x12.00-12 with 5.00-15

with 5.00-16*

Up the hill – with even more grip!

with 6.50-16

Even better slope capability and soil protection with the **front** and/or rear auxiliary tyres. Quick mounting and removing with quick-release.

If you want to switch the auxiliary tyres between front and rear axle, you can install mounting parts on both axles for a quick change between front and rear.



with 7.50-18 Ag

- Narrow tread low pressure tyres for maximum soil protection
- 2 Agricultural tyres for high pulling performance and high stability
- 3 Turf tyres for intensive lawn care

Innovative engineering since 1910

Customer Satisfaction through Quality.



REFORM-Werke Wels is one of the few manufacturers which assume undivided responsibility for the entire value added chain. Have a brief tour on the creation of Reform products, from development of a new machine to standard production. The entire production process is subject to the requirements of the **ISO 9001 quality management system.**



Latest equipment, such as 3 D CAD, in **design and development** of new special purpose vehicles.



In **parts production** precision parts are manufactured on leading edge CNC toolsin different batch sizes



Permanent **quality control** ensures compliance with standards according to the ISO 9001 quality management system.



In **line assembly**, excellently trained and continuously schooled expert personnel produce a wide range of vehicle types and variants.



Before delivery, all vehicles undergo intensive **functional testing** such as here on the chassis dynamometer (pictured).



In the **end-of-line check** and the **finishing department**, all machines are thoroughly checked once more and prepared for shipment to their future owners.

REFORM – On the way to the customer.

A large part of the machines are transported with **REFORM's own lorries** – they reach their destination fast and safely.

Our new transport vehicles – in eye-catching, contemporary design – have special accessories for the optimal loading of REFORM machines. Additionally, we also use outside forwarding agencies and railway transport.



Technical data









Metrac G3 / G3 X

Engine	4 cylinder 4 stroke diesel engine, Kubota V 2003 M EU-32, stage 3A, 32.1 kW (44 hp) at 2,800 rpm, displacement 1,999 cm³, water-cooled.	4 cylinder 4 stroke diesel engine, Kubota V2403-M naturally aspirated engine, 36 kW (49 hp) at 2,700 rpm;			
Gearbox	G3 : Shuttle gearbox with 8 forward and 8 reverse gears, speed: 2.0 – 20.1 kph (26" tyres); 2.3 – 23.0 kph (29" tyres). G3 X : Shuttle gearbox with 8 forward and 8 reverse gears, speed: 2.3 – 23.0 kph (29" tyres)	Shuttle gearbox with 8 forward and 8 reverse gears, synchronised spee change and reverse gears, 2.3 – 27.3 kph with 31" tyres; 2.4 – 29.5 kph 33" tyres, option: Creep speed variant, 12 forward and 12 reverse gears 1.04 – 27.3 kph with 31" tyres; 1.12 – 29.5 kph with 33" tyres.			
Clutch	Single-disc dry clutch for drive and rear PTO (via clutch pedal), multi-disc clutch for front PTO drive (hand lever operated).	Single disc dry clutch with hydraulic central disengagement for drive, mu disc clutch for PTO drive (electro-hydr. switchable).			
Axles	G3: Driving/steering axles front and rear, front axle oscillating. G3 X: Driving/steering axles with final drives front and rear, front axle oscillating.	Driving/steering axles with final drives front and rear, front axle oscillating			
Axle drive	4 wheel drive, front-v	vheel drive switchable.			
Differential locks	Self-locking differential front, manual differential lock rear.	Preselectable, manually operated differential locks front and rear, with switch status indicator lights on dashboard.			
Steering		during driving, preselectable with switching logic for 4 wheel, front, rear, and omatic synchronisation of the wheel position.			
Service brake	Hydr. dual circuit 4	wheel power brake.			
Parking brake	Mech. parking brake and steering brake mechanism acting on front wheels.	Mech. parking brake, acting on rear axle service brake.			
Engine hydraulics	Hydraulic pump 26.6 I/min, 180 bar, oil tank 8 I, standard equipment var. B1 : 1 control valve each for front and rear linkage, 1 control valve d.a.f. with parallel lines front and rear; Optional: Var. C1: 1 additional control valve d.a.f. with parallel lines front and rear (max. 4 trailer couplings front and 4 rear)	Hydraulic pump 29.7 l/min, 195 bar, oil tank 13 l, standard equipment var. C4: 1 control valve each for front and rear linkage, 2 control valves d.a.f. with parallel lines front and rear, switchover tap at rear linkage, on tank return line each front and rear, operation by multi-function control lever; Option: Var. D4: 1 additional control valve d.a.f. with parallel lines and rear (max. 10 trailer couplings front and 8 rear).			
Front linkage	Front 3-point linkage with hydraulic weight compensation, quick-release system via seating locators, top link mount, lifting force max. 900 kg.	Angle swing lift with electro-hydraulic weight compensation, quick release system via seating locators, cat.1, mech. top link, lowering speed control, electrexternal control, lifting force 1,300 kg. Integrated side shift displacement with 400 mm adjustment range (+/- 200 mm). Option: Vibration damping			
Rear linkage (option)	Rear 3 point linkage with movable lower links, retaining balls cat. 1 + 2, single acting cylinders, lowering speed control, lifting force 950 kg. Option: Lower links with hook ends cat. 2, double-acting cylinders (lift/pressure), drawbar.	Rear 3-point linkage with movable lower links, retaining balls cat. 1 + 2, double-acting cylinders (lift/pressure), switchable to single action, lower speed control, electric external control, lifting force 1,200 kg. Option: Low links with catch hooks cat. 2, drawbar, vibration damping.			
PTOs PTOs	Power shift PTO front 540 rpm, turning anti-clockwise, PTO rear 540 rpm, turning clockwise (direction of rotation: Looking at PTO shaft end).	Power shift PTO front 540 rpm turning anti-clockwise, and rear, 540 and 750 rpm turning clockwise; electro-hydraulically switchable with automatic soft start feature, (direction of rotation: Looking at PTO shaft end).			
Cab	Driver rollover protection frame with roof and tinted windscreen, side window right and left, rear window, comfort seat, tilt adjustable steering column, wiper with windscreen washer, cable lead-through for attachments. Option: Closed cab with door, sliding window and heating/defroster.	Vibration damped driver rollover protection frame (ROPS-tested) with roof panoramic windscreen, right side window, tinted window, comfort seats in various versions, parallelogram wipers, windscreen washer, sun visor, 2 exterior mirrors, interior mirror, bottle holder, radio preparation in the root (2 speakers and aerial), cigarette lighter. Option: Closed deluxe cab with heater, electric cab ventilation, air conditioning.			
Gauges	Tachometer with integrated operating hours meter, fuel gauge, remote thermometer, indicator for straight wheel alignment, various signal lights with symbols.	Tachometer with integrated operating hours meter, fuel gauge, remote thermometer, indicator lights with symbols for, e.g., differential locks, 4 who drive, hand brake, steering modes. Option: Digital speed display.			
Electric system	Battery 12V, 60 Ah, alternator 40 A, full road lighting, complete, Option: Auxiliary lights front on roof, 1 working light rear, rotating warning light.	Battery 12 V, 90 Ah, alternator 70 A, full road lighting, complete with heig adjustable headlights. Option: Auxiliary lights front on roof, 1 or 2 working light(s) rear, rotating warning light.			
Fuel tank	PE tank, capacity 35 l.	PE tank, capacity 63 l.			
Seat designs	Comfort seat with leatherette cover, pelvic supports, longitudinally and height-adjustable, tilt adjustable backrest; optional: high backrest, protective cloth cover, arm rests, seat belt.	Longitudinally and height adjustable comfort seats with pelvic support a tilt adjustable backrest in 3 designs: Comfort seat with leatherette cover (standard) or cloth cover, air cushioned seat with cloth cover; optional: s swivel unit, high backrest for comfort seat, protective cloth cover, seat be arm rests.			
Additional equipment	Mechanical or automatic trailer hitches (mountable at various heights), hydraulic front top link, top link elevation; further options on request.	Linkage-switching front/rear incl. weight compensation, hydraulic vibridamping rear (front standard), mechanical or automatic trailer hitches (fixed or height-adjustable), various supplementary components for the stereo radio with CD and USB port, hydraulic top link, additional relief front linkage, heated fuel filter, reverse buzzer, tail pipe moved to the roustom paintwork, snow chains; further options on request.			
Attachments	Dump bucket, snow plough, twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork; further attachments on request.	Sickle mower (with side or rear ejection), suction container with or without high discharge, road sweeper, self-loading salt spreader, snow plough, twi blade mower, rotary disc mower, side delivery belt rake, front collecting for dump bucket, flail mower, extension arm boom flail mower, snow blower; further options on request.			
Weights	G3 : Dead weight: from 1,420 kg G3 X : from 1,490 kg G3 : Perm. axle load front: 1,450 kg G3 X : 1,600 kg G3 : Perm. axle load rear: 1,450 kg G3 X : 1,600 kg G3 : Perm. gross weight: 2,250 kg G3 X : 2,500 kg	Dead weight: from 1,850 kg Perm. axle load front: 1,800 kg, perm. axle load rear: 2,100 kg; perm. gross weight: 3,400 kg			

Technical data

Weights







Perm. axle load front: 2,100 kg, perm. axle load rear: 2,100 kg;

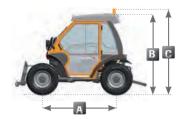
Perm. gross weight: 3,400 kg



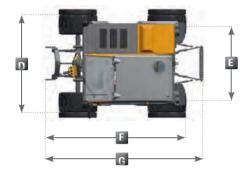
Metrac G7 X **Metrac G7 RX** 4 cylinder 4 stroke diesel engine VM-R 754 TE4 with turbocharger, 51.5 kW 4 cylinder 4 stroke diesel engine, VM-D 754 SE3 with turbocharger, 51.5 kW **Engine** (70 hp) at 2,600 rpm, displacement: 2,970 cm3, max. torque 250 Nm, (70 hp) at 2,600 rpm, displacement 2,970 cm³, water-cooled. water-cooled, emission stage 3B. Shuttle gearbox with 8 forward and 8 reverse gears, synchronised speed change and reverse gears; 2.9 - 35 kph with 31" tyres, 3.1 - 38 kph with 33" tyres, Gearbox 3.3 - 40 kph with 425 tyres. Option: Creep speed variant, 12 forward and 12 reverse gears, 1.3 - 5.3 kph with 31" tyres, 1.4 - 5.7 kph with 33" tyres, 1.5 - 6.0 kph with 425 tyres. Clutch Single disc dry clutch with hydraulic central disengagement for drive, multi disc clutch for PTO drive (electro-hydr. switchable). **Axles** Driving/steering axles with front and rear planetary gear final drives, front axle oscillating 4 wheel drive with electro-hydraulically switchable front wheel drive **Axle drive Differential locks** Preselectable, electro-hydraulically operated differential locks front and rear, with switch status indicator lights on dashboard. Hydrostatic steering with "Load Sensing", electro-hydraulic steering switch during driving, preselectable with switch logic for 4 wheel, Steering front, rear and continuously adjustable crab steering; automatic synchronisation of the wheel position Service brake Hydraulic dual circuit 4 wheel power brake. Parking brake Mech. parking brake, acting on rear axle service brake. Hydraulic pump 24.2 l/min, 195 bar, oil tank 13 l, standard equipment var. C4: 1 control valve each for front and rear linkage, 2 control valves d.a.f. with parallel **Engine hydraulics** lines front and rear, switchover tap at rear linkage, one tank return line each front and rear, operation by multi-function control lever; Optional: Var. D4: 1 additional control valve d.a.f. with parallel lines front and rear (max. 10 trailer couplings front and 8 rear) Angle swing lift with electro-hydraulic weight compensation and vibration damping, quick-change system via seating locators, cat 1, mech. top link, lowering Front linkage speed control, electric external control, integrated, hydraulic lateral displacement with 400 mm adjustment range (+/- 200 mm), lifting force 1,500 kg. Rear 3-point linkage with movable lower links, retaining balls cat. 1 + 2, double acting cylinders (lift/pressure), switchable to single action, lowering Rear linkage speed control, electric external control, vibration damping, lifting force 1,500 kg. Option: Lower links with hook ends cat. 2, electro-hydraulic weight (option) compensation, drawba Power-shift PTO front 540 rpm, anti-clockwise, and rear 540 and 750 rpm turning clockwise; electro-hydraulically switchable with automatic soft start feature, PT₀s (direction of rotation: looking at PTO shaft end). Vibration damped driver rollover protection frame (ROPS-tested) with roof, Vibration damped driver rollover protection frame (ROPS-tested) with roof, panoramic windscreen, right side window, tinted window, comfort seats in panoramic windscreen, right side window, tinted window, comfort seats various versions, tilt and height-adjustable steering column, parallelogram in various versions, tilt adjustable steering column, parallelogram wipers, wipers, windscreen washer, sun visor, 2 exterior mirrors, interior mirror, bottle Cab windscreen washer, sun visor, 2 exterior mirrors, interior mirror, bottle holder, radio preparation in the roof (2 speakers and aerial), cigarette lighter, holder, radio preparation in the roof (2 speakers and aerial), cigarette 3-pin socket, storage space at front and sides, two-piece tool box behind lighter. Options: Closed deluxe cab with heater, electric cab ventilation, air the driver seat. Options: Closed deluxe cab with heater, air conditioning, conditioning. swivelling driver seat. Central instrument cluster for driving speed, engine speed, operating hours Signal lights with symbols, e.g., for differential locks, 4 wheel drive, hand meter, fuel gauge, remote thermometer, temperature for hydrost. travel drive, indicator lights with symbols for, e.g., differential locks, 4 wheel drive, hand brake, steering modes; analogue displays: Fuel gauge, tachometer, speedometer, remote thermometer. Digital displays: Operating hours Gauges brake, steering modes. On-board computer integrated in the instrument meter, daily hours counter, clock, PTO speed front and rear, straight wheel cluster with features such as service indicator, fuel consumption display. acreage counter, digital speed display accurate to 1/10 kph, and much more. alignment, various warning indicators. Ergonomically and logically arranged switches Battery 12 V, 90 Ah, alternator 110 A, lighting complete with height-adjustable Battery 12 V. 105 Ab. alternator 140 A. full road lighting acc. to road traffic regulations. Options: Auxiliary lights front on roof, working light rear, rotating headlights. Option: Auxiliary lights front on roof, 1 or 2 working light(s) rear, **Electric system** warning light rotating warning light. **Fuel tank** PE tank, capacity 85 l. Longitudinally and height adjustable comfort seats with pelvic support and tilt adjustable backrest in 3 designs: Comfort seat with leatherette cover (standard) Seat designs or cloth cover, air cushioned seat with cloth cover; optional: side swivel unit, high backrest for comfort seat, protective cloth cover, seat belt, arm rests. Weight compensation front/rear switchover, mechanical or automatic trailer Rear 3-point linkage with retaining balls cat. 1 and 2, electric external control, hitches (fixed or height adjustable), various supplementary components for the cab, stereo radio with CD and USB port, hydraulic top link, additional lowering speed control, weight compensation, vibration damping, lifting force **Accessories** 1,500 kg; linkage switching front/rear, various trailer hitches, radio, snow chains, relief for front lift, heated fuel filter, reverse buzzer, tailpipe moved to the rear, fuel filter heated, hydraulic top link, swivel seat, air-cushioned comfort seat. custom paintwork, snow chains; Further options on request Front sickle mower (with side or rear ejection), suction container with and without high discharge, extension arm boom flail mower, road sweeper, snow **Attachments** plough, snow blower, twin-blade mower, rotary disc mower, flail mower, belt rake, front collecting fork, dump bucket, further tools on request. Dead weight from 2,180 kg Dead weight: from 2,100 kg,

Perm. axle load front: 2,100 kg, rear: 2,600 kg; Perm. gross weight: 3,800 kg

Dimensions G3 - H8 X



- A Wheelbase
- B Height incl. roof
- Height with rotating warning light
- D Width
- Track front and rear
- E Length without rear linkage
- G Length with rear linkage



Din	Dimensions in mm						
	Metrac G3	Metrac G3 X	Metrac G4 X	Metrac G7 RX,G7 X	Metrac H4 X	Metrac H7 RX	Metrac H7 X,H8 X
	26x12.00-12	29x13.50-15	31x15.50-15	33x15.50-15	31x15.50-15	31x15.50-15	33x15.50-15
Α	1,665	1,665	1,950	1,995	1,950	1,995	1,995
В	1,925	1,965	2,080	2,160, 2,165	2,080	2,120	2,165
C	2,211	2,251	2,300	2,369, 2,365	2,300	2,320	2,365
D	1,885	1,985	2,020	2,020	2,020	2,020	2,020
E	1,565	1,635	1,630	1,630	1,630	1,630	1,630
F	2,615	2,655	3,065	3,160	3,065	3,125	3,160
G	2,975	2,975	3,520	3,580	3,520	3,580	3,580

Wheel outer widths G3 - H8 X





Wheel outer width (mm)	G3	G3 X	G4 X	G7 RX G7 X	H4 X	H7 RX	H7 X H8 X
26X12.00-12 Terra tyres	1,885						
26x12.00-12 with 5.00-15	2,205						
29X13.50-15 Terra tyres	1,985	1,985					
29x13.50-15 with 5.00-16	2,300	2,300					
31X15.50-15 Terra tyres			2,020		2,020	2,020	
31X15.50-15 Turf tyres			2,020	2,020	2,020	2,020	2,020
31X15.50-15 AG tyres			2,020	2,020	2,020	2,020	2,020
31x15.50-15 with 6.50-16			2,410	2,410	2,410	2,410	2,410
33X15.50-15 Terra tyres			2,020	2,020	2,020	2,020	2,020
33x15.50-15 with 7.50-16			2,440	2,440	2,440	2,440	2,440
425/55 R17 AG tyres				2160		2160	2160
425/55 R17 with 7.50-18				2630		2630	2630
440/50 R17 All-Ground				2160		2160	2160
440/50 R17 with 7.50-18				2630		2630	2630

Reform Metrac – simply the best!











Metrac H7 RX





4 cylinder 4 stroke diesel engine Kubota V2403-M naturally aspirated engine, 36 kW (49 hp) at 2,700 rpm

4 cylinder 4 stroke diesel engine VM-R 754 TE4 with turbocharger, 51.5 kW (70 hp) at 2,600 rpm, displacement: 2,970 cm³, max. torque 250 Nm, water-cooled, emission stage 3B.

Hydrostatic drive with mechanical 2-stage gear and electro-hydraulic 2-level switching, inching system, hydrostatic control optionally automotive or manual, electrically switchable.

4 speed ranges: with 31" tyres: Terrain: 0 – 7.0 kph / 0 – 13.8 kph, road: 0 – 18.1 kph / 0 – 36.0 kph, with 33" tyres: Terrain: 0 – 7.6 kph / 0 – 15.0 kph, road: 0 – 19.6 kph / 0 – 39.0 kph

Hydrostatic drive with electro-hydraulic 2-level switching and downstream mechanical 2-stage gearbox hydrostatic control either automotive or manual, electrically switchable; inching system. 4 speed ranges: with 33" tyres: Terrain: 0 – 7.6 kph / 0 – 15.0 kph

Road: 0 – 19.6 kph / 0 – 39.0 kph

Single-disk dry clutch with hydraulic central disengagement for PTO drive (electro-hydraulically switchable).

Driving/steering axles with final drives front and rear, front axle oscillating.

4 wheel drive, front-wheel drive switchable.

Metrac H4 X

4 wheel drive, front-wheel drive electro-hydraulically switchable.

Preselectable, manually operated differential locks front and rear, with switch status indicator lights on dashboard.

Preselectable, electro-hydraulically operated differential locks front and rear, with switch status indicator lights on dashboard.

Hydrostatic steering with Load Sensing; electro-hydraulic steering switch during driving, preselectable with switching logic for 4 wheel, front, rear, and continuously adjustable crab steering; automatic synchronisation of the wheel position.

Hydr. dual circuit 4 wheel power brake.

Mechanical parking brake acting on rear wheels.

Hydraulic pump 29.7 l/min, 195 bar, oil tank 13 l, standard equipment var. C4: 1 control valve each for front and rear linkage, 2 control valves d.a.f. with parallel lines front and rear, switchover tap at rear linkage, one tank return line each front and rear, operation by multifunction control lever; Option: Var. D4: 1 additional control valve d.a.f. with parallel lines front and rear (max. 10 trailer couplings front and 8 rear)

Hydraulic pump 24.2 l/min, 195 bar, oil tank: 13 l, standard equipment var. C4: 1 control valve each for front and rear linkage, 2 control valves d.a.f. with parallel lines front and rear, switchover tap at rear linkage, one tank return line each front and rear, operation by multifunction control lever; Option: Var. D4: 1 additional control valve d.a.f. with parallel lines front and rear (max. 10 trailer couplings front and 8 rear)

Angle swing lift with electro-hydraulic weight compensation and **vibration damping**, quick release system via seating locators, cat. 1, mech. top link, lowering speed control, electric external control, lifting force 1,300 kg. Fixed design, hydraulic lateral displacement.

Angle swing lift with electro-hydraulic weight compensation, **hydr. vibration damping**, lowering speed control, integrated hydraulic lateral displacement with 400 mm (± 200 mm) adjustment range; Cat. 1, quick release system using seating locators; electrical external control; lifting force 1,500 kg.

Rear 3-point linkage with movable lower links, retaining balls cat. 1 + 2, double-acting cylinders (lift/pressure), switchable to single action, lowering speed control, electric external control, lifting force 1,200 kg. **Option**: Lower links with catch hook cat. 2, electro-hydraulic weight compensation, drawbar, vibration damping.

Rear 3-point linkage with movable lower links, retaining balls cat. 1 + 2, double acting cylinders (lift/pressure), switchable to single action, lowering speed control, electric external control, **vibration damping**, lifting force 1,500 kg. **Option**: Lower links with hook ends cat. 2, electro-hydraulic weight compensation, drawbar.

Power-shift PTO front and rear 540 rpm, front anti-clockwise, rear clockwise, electro-hydraulically switchable with automatic soft start feature (rotation: looking at PTO shaft end).

Vibration damped driver rollover protection frame (ROPS-tested) with roof, panoramic windscreen, right side window, tinted window, comfort seats in various versions, parallelogram wipers, windscreen washer, sun visor, 2 exterior mirrors, interior mirror, bottle holder, radio preparation in the roof (2 speakers and aerial), cigarette lighter. Option: Closed **deluxe cab** with heater, electric cab ventilation, air conditioning.

Vibration damped driver rollover protection frame (ROPS-tested) with roof, panoramic windscreen, right side window, tinted window, comfort seats in various versions, tilt and height-adjustable steering column, parallelogram wipers, windscreen washer, sun visor, 2 exterior mirrors, interior mirror, bottle holder, radio preparation in the roof (2 speakers and aerial), cigarette lighter, 3-pin socket, storage space at front and sides, two-piece tool box behind the driver seat. Options: Closed deluxe cab with heater, air conditioning, swivelling driver seat

Tachometer with integrated operating hours meter, fuel gauge, remote thermometer, indicator lights with symbols for, e.g., differential locks, 4 wheel drive, hand brake, steering modes.

Digital display for drive speed, temperature display for hydrostatic drive.

Battery 12 V, 90 Ah, alternator 70 A, lighting complete with height adjustable headlights.

Option: Auxiliary lights front on roof, 1 or 2 working light(s) rear, rotating warning light.

Battery 12V, 105 Ah, alternator 140 A, full road lighting acc. to road traffic regulations, Options: Auxiliary lights front on roof, working light rear, rotating warning light.

PE tank, capacity 63 l.

Dead weight from 1,870 kg

Plastic fuel tank with 85 litres capacity and large filler.

Longitudinally and height adjustable comfort seats with pelvic support and tilt adjustable backrest in 3 designs: Comfort seat with leatherette cover (standard) or cloth cover, air-cushioned seat with cloth cover; Option: Side swivel unit, high backrest for comfort seat, protective cloth cover, seat belt, arm rests.

Linkage-switching front/rear including weight compensation, hydraulic vibration damping rear (standard front), mechanical or automatic trailer hitches (fixed or height-adjustable), various supplementary components for the cab, stereo radio with CD and USB port, hydraulic top link, auxiliary weight compensation for front linkage, heated fuel filter, reverse buzzer, exhaust tail pipe routed to the rear, custom paint, snow chains; further options on request.

Linkage-switching front/rear incl. weight compensation, mechanical or automatic trailer hitches (fixed or height-adjustable), various supplementary components for the cab, stereo radio with CD and USB port, hydraulic top link, additional relief for front linkage, heated fuel filter, reverse buzzer, tail pipe moved to the rear, custom paintwork, snow chains; further options on request.

Flail mower, extension arm boom flail mower, sickle mower (with side or rear ejection), suction container with or without high discharge, road sweeper, snow plough, snow blower, twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket; further options on request.

Dead weight from 2,100 kg

Perm. axle load front: 2,100 kg, perm. axle load rear: 2,600 kg; Perm. gross weight: 3,800 kg









4 cylinder 4 stroke diesel engine VM-R 754 ISE 4 with turbocharger, displacement 2,970 cm³,

water-cooled, 55 kW (74.8 hp) at 2,600 rpm, (emission level 3B)

Metrac H7 X

4 cylinder 4 stroke diesel engine VM-R 754 IE 4 with turbocharger, displacement 2,970 cm³, water-cooled, 60 kW (81.5 hp) at 2,600 rpm, (emission level 3B).

Hydrostatic drive with mechanical 2-stage gear and electro-hydraulic 2-level switching, inching system, hydrostatic control optionally automotive or manual, electrically switchable. 4 speed ranges: with 33" tyres: Terrain: 0 – 7.6 kph / 0 – 14.6 kph; Road: 0 – 19.7 kph / 0 – 38.0 kph with 425-tyres: Terrain: 0 – 8.0 kph / 0 – 15.4 kph; Road: 0 – 20.7 kph / 0 – 40.0 kph

Single-disc dry clutch with hydraulic central disengagement for PTO drive (electro-hydraulically switchable).

Driving/steering axles with final drives front and rear, front axle oscillating

4 wheel drive, front-wheel drive electro-hydraulically switchable.

Pre-selectable, electro-hydraulically operated differential locks front and rear, with gear status indicator lights on dashboard.

Hydrostatic steering with "Load Sensing", electro-hydraulic steering switch during driving, preselectable with switch logic for 4 wheel, front, rear and continuously adjustable crab steering; automatic synchronisation of the wheel position.

Hydr. dual circuit 4 wheel power brake.

Mechanical parking brake, acting on rear axle service brake.

Hydraulic pump 24.2 l/min, 195 bar, oil tank 13 l, standard equipment var. C4, operation via multi-function control lever, option: Var. D4: 1 additional control valve d.a.f. with parallel lines front and rear (max. 10 trailer couplings front and 8 rear)

Angle swing lift with electro-hydraulic weight compensation and vibration damping, quick release system via seating locators, cat. 1, mech. top link, lowering speed control, electric external control, integrated, hydraulic lateral displacement with 400 mm adjustment range (+/- 200 mm), lifting force 1,500 kg.

Rear 3-point linkage with movable lower links, retaining balls cat. 1 + 2, double acting cylinders (lift/pressure), switchable to single action, lowering speed control, electric external control, **vibration damping**, lifting force 1,500 kg. **Option**: Lower links with hook ends cat. 2, electro-hydraulic weight compensation, drawbar.

Power-shift PTO front 540 and 1,000 rpm, rear 1,000 rpm (Option: 540 rpm); front anti-clockwise, rear clockwise, electro-hydraulically switchable with automatic soft start feature (rotation: looking at PTO shaft end).

Vibration damped deluxe cab with heater and air conditioning (ROPS-tested), panoramic windscreen, right side window, tinted window, comfort seats in various versions, tilt adjustable steering column, parallelogram wipers, windscreen washer, sun visor, 2 exterior mirrors, interior mirror, cable pass-through (rear), bottle holder, radio preparation in the roof (2 speakers and aerial), cigarette lighter.

Signal lights with symbols, e.g., for differential locks, 4 wheel drive, hand brake, steering modes; analogue displays: Fuel gauge, tachometer, speedometer, remote thermometer. Digital displays: Operating hours meter, daily hours counter, clock, PTO speed front and rear, straight wheel alignment, various warning indicators, temperature display for hydrostatic drive.

Battery 12V, 105 Ah, alternator 140 A, lighting complete with height-adjustable headlights. Option: Auxiliary lights front on roof, 1 or 2 working light(s) rear, rotating warning light.

PE tank, capacity 85 l.

Longitudinally and height adjustable comfort seats with pelvic support and tilt adjustable backrest in 3 designs: comfort seat with leatherette cover (standard) or cloth cover, air-cushioned seat with cloth cover; optional: side swivel unit, high backrest for comfort seat, protective cloth cover, seat belt, arm rests.

Weight compensation front/rear switchover, mechanical or automatic trailer hitches (fixed or height-adjustable), various supplementary components for the cab, stereo radio with CD and USB port, hydraulic top link, auxiliary weight compensation for front linkage, heated fuel filter, reverse buzzer, exhaust tail pipe routed to the rear, custom paint, snow chains; further options on request.

Sickle mower (with side or rear ejection), suction container with or without high discharge, road sweeper, self-loading salt spreader, snow plough, snow blower, twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, flail mower, extension arm boom flail mower; further options on request.

Dead weight: from 2,280 kg Perm. axle load front: 2,100 kg, rear: 2,600 kg; Perm. gross weight: 3,800 kg



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best possible safety on extreme terrain. REFORM machines are distinguished by compact design, low dead weight and excellent soil protection. The tried and tested REFORM 4 wheel steering allows formidable agility with the smallest footprint. REFORM is your partner for all year round operation, offering solutions tailored to your requirements.









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