

METRAC
AGRICULTURE

Metrac X-series
**Excellent on slopes.
Soil conserving. Safe.**

REFORM 

SINCE 1910

TECHNOLOGY AT ITS BEST



REFORM Metrac

The all round tool for mountain agriculture.

The REFORM Metrac is a mountain agricultural two axle mower designed for extreme slopes. It is distinguished by cutting edge technology and highest efficiency. With its outstanding slope capability, combined with highest soil protection, the Metrac provides unique work comfort. **REFORM Metrac have been built since 1965.**

The benefits at a glance:

- Powerful, thrifty 4 cylinder diesel engines
- Multi function lever for highest operating comfort*
- Pre-selectable differential locks with 100% locking efficiency
- Switchable four wheel drive
- Depending on the area of use: Speed change gearbox or hydrostatic drive
- 4 steering modes: 4 wheel steering, front, rear and crab steering
- Low dead weight and low centre of gravity
- Slope capable, soil protecting low pressure tyres
- Permanent ground contact of all 4 wheels through oscillating front axle (central joint)
- Hydrostatic steering
- 2 full attachment areas with powerful linkages
- Weight compensation and vibration damping*
- Power shift PTO
- Axle guided, trailing front linkage

*not for G3



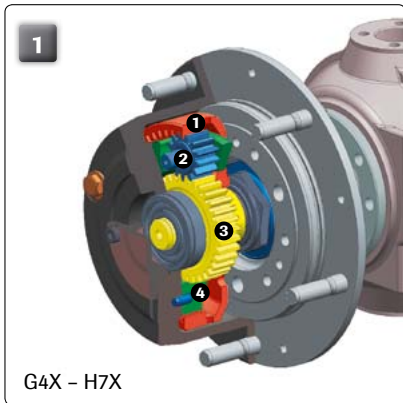
The Mountain Pro in Action!



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 mountainous terrain. The tried and tested Reform Metrac chassis is divided into a front and a rear axle section which are connected by a pivoting centre joint. On this robust chassis, a wide range of attachments can be mounted such as rotary disc mower, side delivery belt rake, rotary tedder, flail mower, 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
- 2 planet gear
- 3 internal sun gear
- 4 planet gear carrier

2 Centre joint and oscillating axle

Between the oscillating front axle and the rear axle, the pivoting centre joint ensures constant ground contact of all 4 wheels and guarantees safe driving in any situation. You get full power transmission and optimal soil protection also in rough terrain.

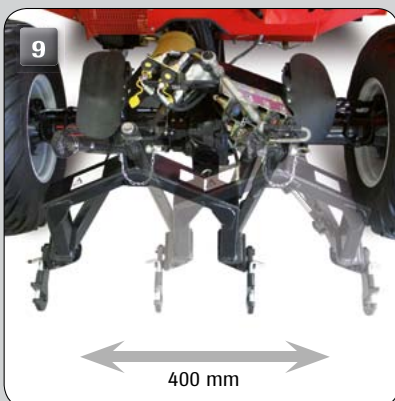
- 3 The large-size **single disc dry clutch** for the drive in the G models and the PTO drive in the H models ensures full power transmission and long service life. The PTO drive of the G models is switched electro-hydraulically via a multi disc clutch (G3 manually).

4 Mechanical transfer gear with PTO clutch

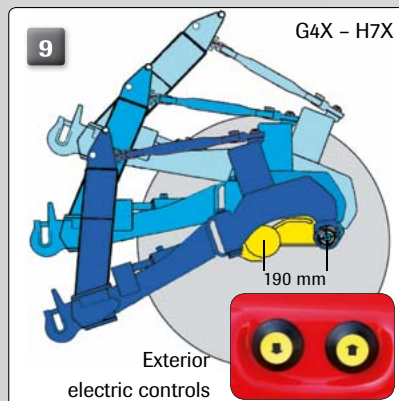
The drive goes from the engine via the clutch to the mechanical transfer gear and from there to the front and rear PTOs. In the G models, the force flows from the mechanical transfer gear via a cardan shaft to the speed change gearbox.



Hydraulic lateral displacement



Rotating angle front linkage

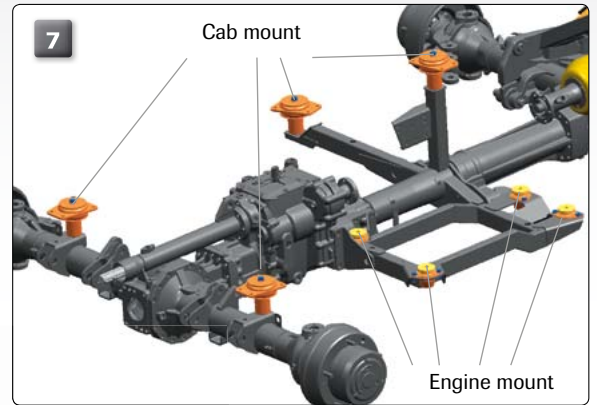


The strong, axle guided **front linkage (9)** provides best contour following through pivot points that are located far behind the front axle. The standard hydraulic (G3) or electro-hydraulic weight compensation provides higher traction and better climbing capability combined with highest contour following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

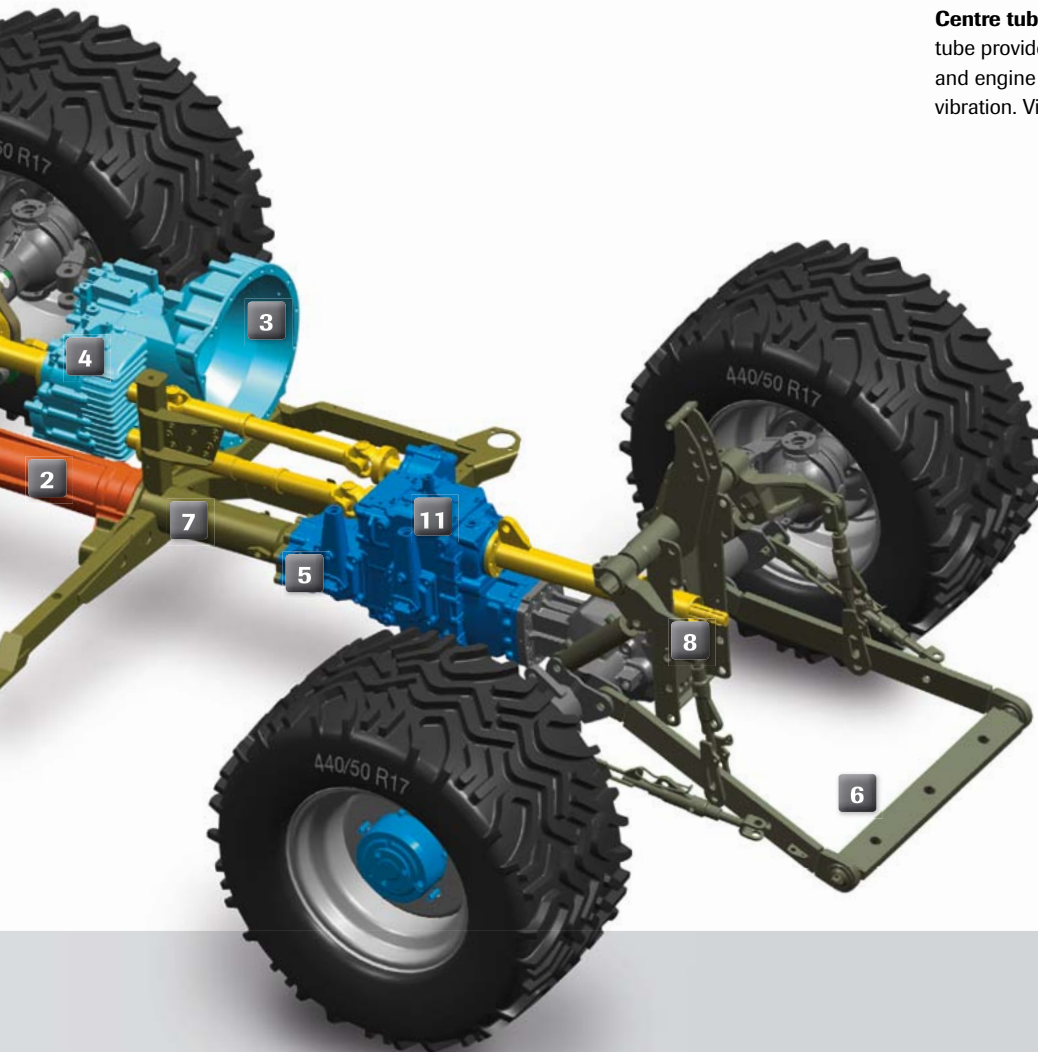
In the G models, the **PTO (10)** is driven via a multi disc clutch, and via a single disc dry clutch in the hydrostat models. The high efficiency of the electro hydraulically (not in G3) power shiftable PTO with 540 rpm facilitates the efficient use of attachments.

5 The **four wheel drive** (front drive switchable) facilitates maximum power transmission to the ground by optimal distribution of the driving force to both axles. With 4 wheel steering activated, the front and rear wheels run exactly in the same track, ensuring absolutely tension free traction of all 4 wheels.

6 The robust **3 point rear linkage** (option) is equipped with double acting cylinders (G3 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 front linkage, the standard exterior electric control of the linkages (not in G3). 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 are mounted on 4 rubber mounts each to dampen vibration. Vibrations are neutralised at their very source.



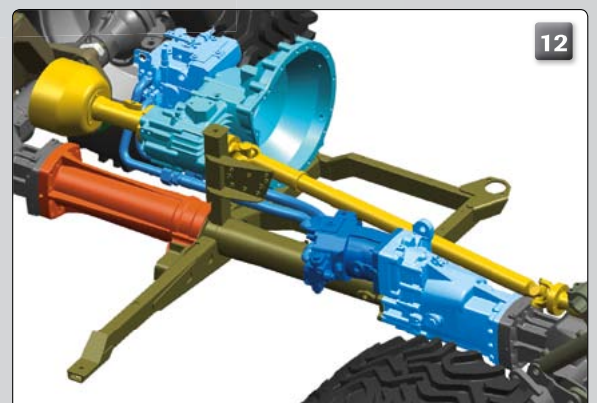
8 The **rear PTO** is electro hydraulically switchable and ensures the soft starting of attachments due to the soft start system (does not apply to G3: rear gearbox PTO).

Use the full power with the **mechanic speed change gearbox (11)** in the Metrac G-series. The synchronised shuttle gearbox ensures exact and safe gear change in any situation. G4 X - G7 X optionally with creep speed 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 drive 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.

Large tank (not shown)

The large polyethylene tank holds enough fuel for a whole working day without refilling.



REFORM Metrac

2 full attachment areas for a wide range of attachments.

The chassis of the Reform two axle mowers 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 linkage with standard mounting points facilitate quick mounting and removing of attachments such as rotary disc mower, side delivery belt rake, dump bucket, and many more, making the system a versatile and universal tool.

1 Front linkage with front PTO

Rotary disc mower, twin blade, side delivery belt rake, flail mower, front end loader, front collecting fork, snow plough, snow blower, etc.

2 Rear linkage with rear PTO, trailer hitch

Rotary tedder, rotary swather, dump bucket, fertiliser spreader, trailer, baler, drag hose manure application, etc.



For a wide range of everyday requirements.





- 1 Front end loader
- 2 e.g. rear weight



- 1 Rotary disc mower
- 2 e.g. conditioner



- 1 Side delivery belt rake



- 1 Flail mower



- 1 Rotary mower



- 2 Rotary tedder



- 1 Snow blower



- 2 Dump bucket

Metrac in action all your round



Protecting man and machine

REFORM weight transfer and vibration damping.



The mower 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 transfer 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!

Up and down the hills with 4 wheel steering

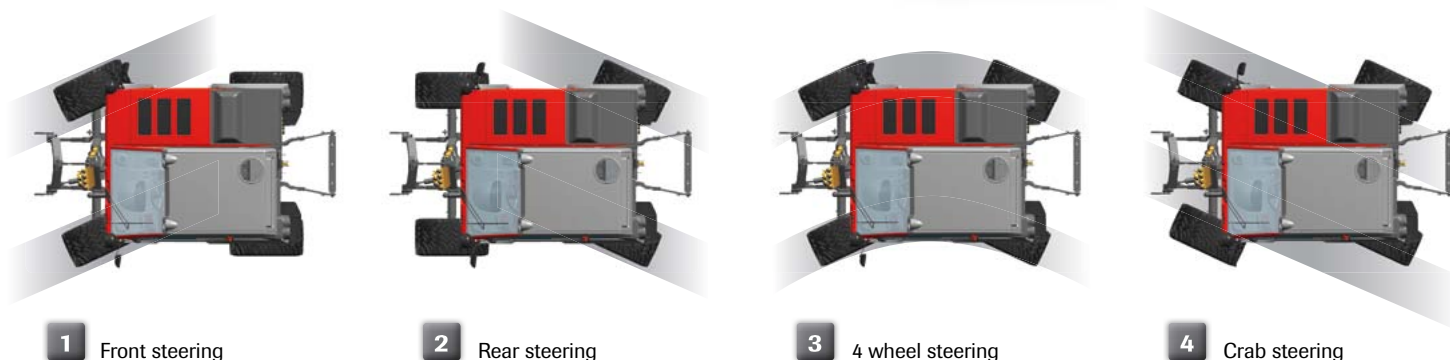
The hydrostatic steering system with four steering modes as standard equipment is the crowning achievement in this chassis concept. The steering mode can be switched conveniently by the push of a button, even during driving.

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



1 Front steering

2 Rear steering

3 4 wheel steering

4 Crab steering

1 Front steering

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

2 Rear steering

Used mainly on level to moderately sloped terrain. With rear steering, the direction of front mounted attachments can be better controlled than with front steering. Moreover, the front 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.

4 Crab steering

Front 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.
- Convenient for spreading at boundaries with 3 point rotary tedder.
- Soft ground is protected since each wheel runs in its separate track.

REFORM Metrac G3

The climber with soft paws.

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. 1400 kg
- Front linkage with hydraulic weight transfer
- 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 31.9 kg/hp)
- Low centre of gravity, large footprint
- 26" wheels – optionally 29"
- Highest soil protection and agility



Even more power

The Metrac G3 features a powerful 4 cylinder diesel engine with 44 hp (32.1 kW) at 2800 rpm – for even more power reserves when working with the rotary disc 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.



Even more comfortable

The driver rollover protection frame with curved windscreen and large viewing area offers much head room and moving space. The Metrac G3 comes standard with a right side window and rear window. The tinted window glass reduces sun radiation and provides high working comfort. The straightforwardly organised dashboard, with clearly structured indicator and warning lights, provides permanently essential information.



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.



For optimal night-time view

the Metrac G3 can be equipped with auxiliary lights, and also with a rotating warning light for better visibility.



G3



G3

Robust linkages

The front and rear linkages with weight compensation ensure optimal work in grassland and mountainous terrain. The hydraulic weight compensation in the front linkage has a long accumulation period and therefore lifts at once. The standard front linkage cat. 1 lifts 900 kg and can be equipped with a hydraulic top link. The rear 3 point linkage with moving lower links has a lifting power of 950 kg.

REFORM Metrac G models 

Mechanical speed change gearbox

Shifting made easy – the Metrac G3 – 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 speed change gearbox has four speeds, which the two or three range change gearbox translates to 8 or 12 gears, respectively.

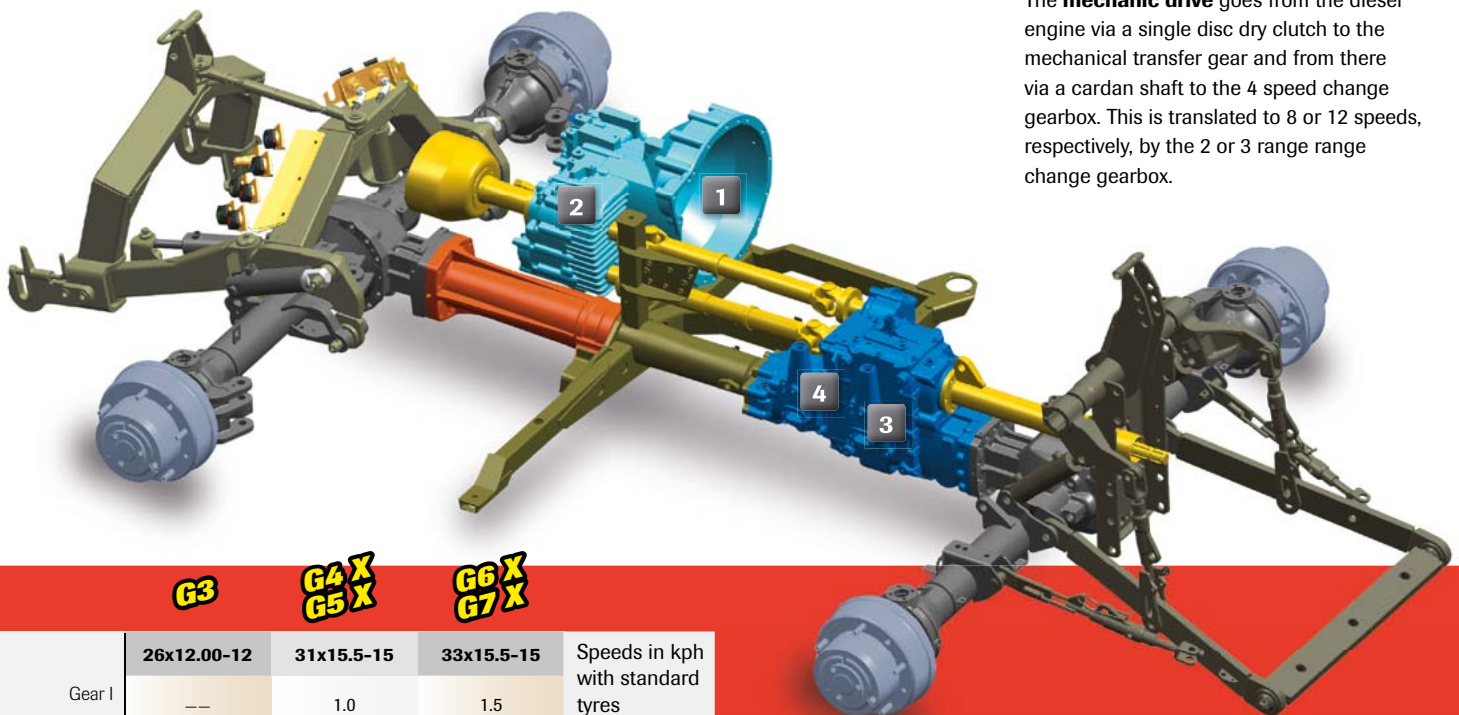
- 1 clutch
- 2 mech. transfer gear
- 3 4 speed speed change gearbox
- 4 range change gearbox (2 or 3 ranges)



The gear levers are ergonomically and clearly placed.






- 4 speeds
- 2 ranges
8F / 8R
- 3 ranges
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 change gearbox. This is translated to 8 or 12 speeds, respectively, by the 2 or 3 range range change gearbox.

G3 **G4 X**
G5 X **G6 X**
G7 X

	26x12.00-12	31x15.5-15	33x15.5-15	Speeds in kph with standard tyres
 Gear I	---	1.0	1.5	
Gear II	---	1.9	2.6	
Gear III	---	3.0	4.1	
Gear IV	---	4.1	5.7	
 Gear I	2.0	2.2	3.1	
Gear II	3.3	4.0	5.6	
Gear III	5.5	6.3	8.8	
Gear IV	9.2	8.8	12.3	
 Gear I	4.3	6.9	9.6	
Gear II	7.3	12.3	17.2	
Gear III	12.1	19.5	27.2	
Gear IV	20.1	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 driving range
- All speeds are switched in both directions of travel
- 2 gearbox variants:
8F / 8R speeds for agricultural use, 12F / 12R speeds (incl. 4 creep speeds) for working in the slow speed range, e.g., snow blower



Metrac 4 X and 5 X



Metrac 4 X and 5 X



Metrac 6 X and 7 X



Metrac 6 X and 7 X

REFORM Metrac H-models

Hydrostatic drive.

The hydrostatic drive with 4 speed ranges enables the **stepless adjustment of the drive 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 control lever

Continuous F/R control with notch in the neutral position, for efficient use with swather or rotary tedder, in partial load operation with low engine speed.

Automotive via accelerator pedal

For the use with rotary disc mower 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 control lever.



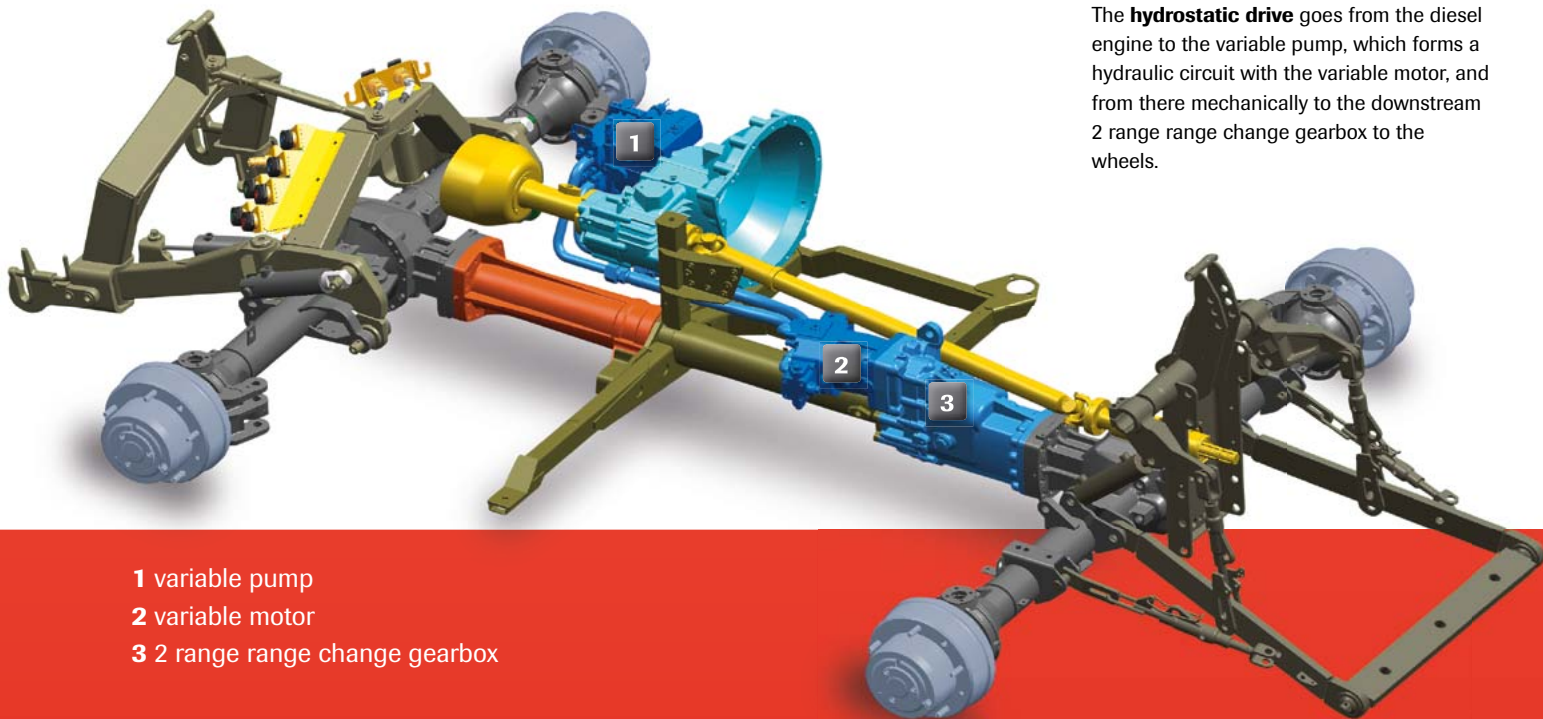
2 mech. ranges



2 hydraulic ranges



automotive or manual







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





The **hydrostatic drive** goes from the diesel engine to the variable pump, which forms a hydraulic circuit with the variable motor, and from there mechanically to the downstream 2 range range change gearbox to the wheels.

Speeds in kph with standard tyres

H4 X
H5 X

	1st range 0 - 7	31x15.5-15
	2nd range 0 - 13.9	
	1st range 0 - 18.1	
	2nd range 0 - 36.0	

H6 X
H7 X

	1st range 0 - 7.6	33x15.5-15
	2nd range 0 - 14.6	
	1st range 0 - 19.7	
	2nd range 0 - 38.0	

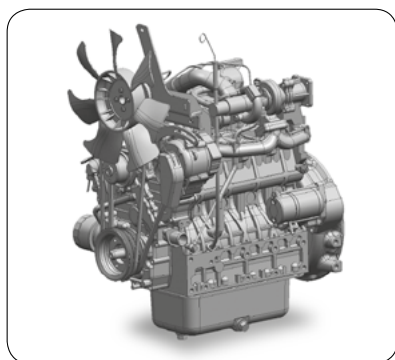
The benefits at a glance:

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

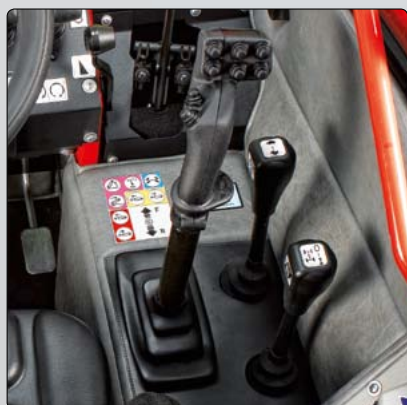
REFORM Metrac G4 X – H5 X

The versatile multi-talents for any job.

With its **Metrac 4X and 5X models**, REFORM has devised a high performing, comfortable and reliable line for applications in mountain agriculture, 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.

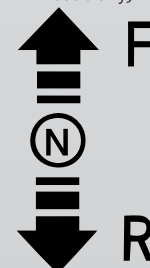


Everything under control with the multi-function control lever!

In the H models, you select the right drive speed and direction with the multi function control 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 lifting / lowering	Activating the weight transfer	Hydr. lateral displacement Front linkage	4 wheel steering on/off	Hydr. top link or other functions

forward / backward
Drive speed (H
models only)





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 comfort cab with heating and air-conditioning.

REFORM Metrac G4 X – H5 X

The mid-range at a glance:

- Speed change gearbox or hydrostatic travel drive
 - Narrowly stepped shuttle gearbox with 8 or 12 F/R gears
 - Hydrostatic drive for continuous control of the drive speed with only one lever.
 - Front linkage with side shift (G4 X, H4 X optional)
 - Low slung and lightweight design for best slope capability
 - Top comfort 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.
 - Hydrostatic steering with 4 steering modes as standard equipment.
-
- 4 cylinder naturally aspirated engine
G4 X, H4 X
 - 4 cylinder naturally turbo charged engine
G5 X, H4 X



All **control elements** 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 lever. In the hydrostat models, you select the 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 **exterior electric control** for the front linkage is standard and makes mounting of attachments much easier.



The Metrac G4 X and H4 X models have a **fixed front linkage** as standard equipment, they are optionally available with hydraulic side shift.



Powerful operation 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.



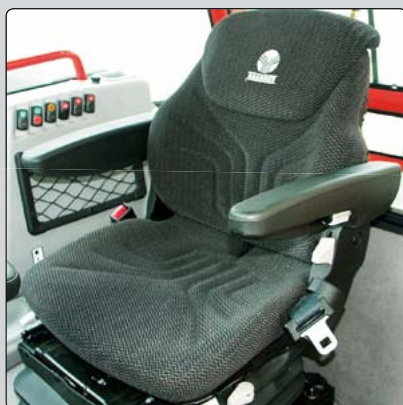
REFORM Metrac G6 X – H7 X

Top performance with the powerful and comfortable top range.

With its **Metrac 6X and 7X series**, REFORM offers compact design, productivity and efficiency in cultivation of slope terrain in a new dimension. Pleasing optics, comfortable operation and modern technology elevate these models to the top range. Working with a Metrac 6X or 7X is a special treat. Enormous slope capability and soil protection, tried and tested 4 wheel drive, high driving comfort and convincing performance – these benefits are hard to describe in words, they should be "experienced" hands on.



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

Optional: 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 or MC** 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 arrangement of 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, misc. warning indicators, temperature display for hydrostat. drive in H models.

Analogue displays: Fuel gauge, tachometer, speedometer, coolant temperature display.

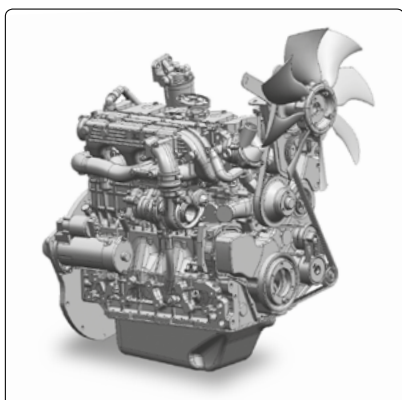
Indicator lights for, e.g., differential locks, 4 wheel drive, hand brake, current steering mode.



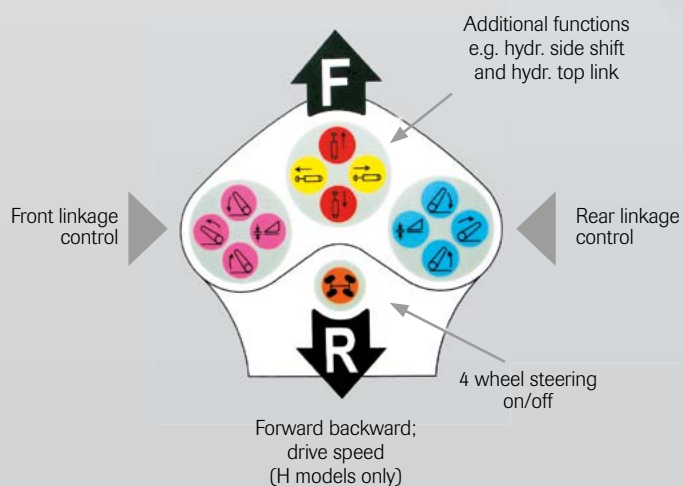
REFORM Metrac G6 X – H7 X

The top range at a glance:

- Superior slope capability and terrain mobility
- Speed change gear or hydrostatic drive
 - Comfortably to operate fully synchronised speed change and reverse gears
 - Hydrostatic drive with 4 speed ranges and switchable automotive control for maximum power transmission
- Power shift PTO front and rear
- Dual circuit 4 wheel brake for safety in every situation
- New deluxe cab for comfortable working
- Engine power from 4 cylinders thanks to large displacement
- High axle loads and powerful front and rear linkages for high-performance attachments
- Wide track and large Terra tyres for extreme slope capability
- Electro-hydraulic weight compensation
- 4 steering modes as standard equipment in the chassis concept
- Pre selectable differential locks



The modern **4 cylinder turbo-charged diesel engines** with 62 or 70 hp are distinguished by low fuel consumption, very smooth running, good torque and long service life. The high torque, available from low revs and across a wide range, delivers good engine output with power to spare in any situation.



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 **hydraulic couplings** of the high performance working hydraulics are easily accessible and colour coded. Combined with the **exterior electric controls** of the linkages, this makes mounting of attachments almost "a piece of cake".



Take your seat and look forward to your work.

The wide entry ensures comfortable and safe access to the high spec cab. The clear and functional layout of the controls provides high driving and operating comfort and ensures that you don't get distracted during driving and can fully focus on your work. Conventional analogue gauges combined with a digital display gives you all information at a glance. The comfortable seat, the adjustable steering wheel, and ample head and foot room meet the expectation of any user. Optionally, the cab can be upgraded to a deluxe cab with heater and air conditioning, with wide opening, full glass door.



Metrac accessories

Top equipment for any job.



The detachable **rotating warning light** 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 cutting height with the push of a button.



The sound of a **stereo radio** with CD or MC 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**.



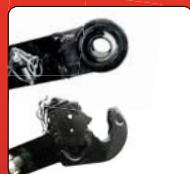
All Metrac models can be finished in your specified **custom paint**.

No load is too heavy for the Metrac rear linkages.

The robust design of the 3 point rear linkage with weight compensation make the Metrac a universal working machine. The large lifting forces of 1200 or 1500 kg in the X series allow the use of high performance attachments.

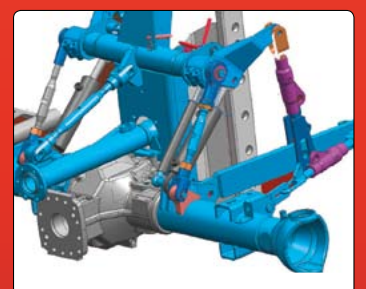


Exterior electric controls



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

- Double acting cylinders (lift/pressure) (switchable to single acting).
- Movable strut supported lower links
- Longitudinally adjustable lift struts and lowering speed control.
- Optional vibration damping (G6X – H7X 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

Basic tyres



26x12.00-12 Terra



31x15.50-15 Terra



33x15.50-15 Terra



440/50 R17
All-Ground



29x13.50-15 Terra



31x15.50-15
AG



31x15.50-15
turf



425/55 R17
AG

Auxiliary tyres



29x13.50-15
with 5.00-16*



31x15.50-15
with 6.50-16*



33x15.50-15
with 7.50-16

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

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.



**Up the hill
– with even
more grip!**



Choose your profile:

- 1 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

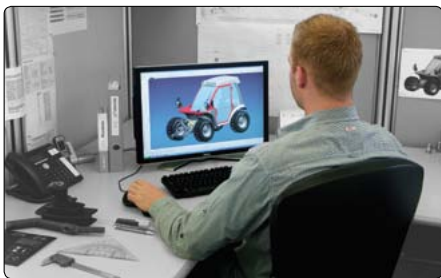
Even better slope capability and soil protection with the **front and/or rear auxiliary tyres.** Quick installation and removal with quick release.

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

Innovative engineering since 1910

Customer Satisfaction through Quality.

The 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 tools in 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 roller test bed.



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.





Metrac G5 X



Metrac G7 X

Technical Specification



Metrac G3



Engine	4 cylinder 4 stroke diesel engine, Kubota V 2003 M EU-32, stage 3A, 32.1 kW (44 hp) at 2800 rpm, displacement 1999 cm ³ , water cooled.
Gearbox	Shuttle gearbox with 8 forward and 8 reverse gears. Speed: 2.0 – 20.1 kph (26" tyres); 2.3 – 23.0 kph (29" tyres)
Clutch	Single disc dry clutch for travel drive and rear PTO (via clutch pedal), multi disc clutch for front PTO drive (hand lever operated).
Axles	Driving/steering axles front and rear, front axle oscillating.
Axle drive	Four wheel drive, front wheel drive switchable.
Differential locks	Self-locking differential front, manual differential lock rear.
Steering system	Hydrostatic steering with Load Sensing; electro-hydraulic steering switch during driving, pre-selectable with options for 4 wheel, front, rear, and continuously adjustable crab steering; automatic synchronisation of wheel position.
Service brake	Hydr. dual circuit 4 wheel power brake.
Parking brake	Mechanical parking brake and steering brake mechanism acting on front wheels.
Engine hydraulics	Hydraulic pump 26.6 l/min, 180 bar, oil tank 8 l, 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; option: var. C1: 1 additional control valve d.a.f. with parallel lines front and rear (max. 4 trailer couplings front and 4 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.
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.
PTO	Power shift PTO front 540 rpm, counter-clockwise, gearbox PTO rear rear 540 rpm, clockwise; (direction of rotation: looking at PTO shaft end).
Cab	Driver rollover protection frame with roof and tinted windscreen, side window right and rear window, comfort seat, wiper with windscreen washer, cable lead-through for attachments.
Gauges	Tachometer with integrated operating hours meter, fuel gauge, temperature gauge, indicator for straight wheel alignment, various indicator lights with symbols.
Electric system	Battery 12 V, 60 Ah, alternator 40 A full road lighting, complete, Option: Auxiliary lights front on roof, 1 working light rear, rotating warning light.
Fuel tank	Polyethylene tank, capacity 35 l.
Seat designs	Comfort seat with leatherette cover, pelvic support, longitudinally and height adjustable, tilt adjustable backrest; Option: High backrest, protective cloth cover, arm rest, seat belt.
Accessories	Mechanical or automatic trailer hitches (mountable at various heights), hydraulic front top link, top link elevation; further options on request.
Attachments	Twin blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, snow plough, further attachments on request.
Weights	Dead weight: 1400 kg with 26" tyres, 1440 kg with 29" tyres Perm. axle load front: 1350 kg, perm. axle load rear: 1420 kg Perm. gross weight: 2200 kg
Turning radius	3.10 m (with 4 wheel steering)



Metrac G4 X, G5 X



Metrac H4 X, H5 X

<p>4 cylinder 4 stroke diesel engine, G4 X: Kubota V2403-M naturally aspirated engine, 36 kW (49 hp) at 2700 rpm; G5 X: Kubota V2403-M-T with turbocharger, 43.3 kW (59 hp) at 2700 rpm; displacement 2434 cm³, water-cooled.</p>	<p>4 cylinder 4 stroke diesel engine, H4 X: Kubota V2403-M naturally aspirated engine, 36 kW (49 hp) at 2700 rpm; H5 X: Kubota V2403-M-T with turbocharger, 43.3 kW (59 hp) at 2700 rpm; displacement 2434 cm³, water-cooled.</p>
<p>Shuttle gearbox with 8 forward and 8 reverse gears, synchronised speed change and reverse gears, 2.3 – 27.3 kph with 31" tyres; 2.4 – 29.5 kph with 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.</p>	<p>Hydrostatic drive with mechanical 2-range gear and electro-hydraulic 2-level switching, inching function, hydrostatic control optionally automotive or manual, electrically switchable. 4 speed ranges: with 31" tyres: Field: 0 – 7.0 kph / 0 – 13.8 kph, road: 0 – 18.1 kph / 0 – 36.0 kph, with 33" tyres: Field: 0 – 7.6 kph / 0 – 15.0 kph, road: 0 – 19.6 kph / 0 – 39.0 kph</p>
<p>Single disc dry clutch with hydraulic central disengagement for drive, multi disc clutch for PTO drive (electro-hydr. switchable).</p>	<p>Single disc dry clutch with hydraulic central disengagement for PTO drive (electro-hydr. switchable).</p>
<p>Driving/steering axles with final drives front and rear, front axle oscillating.</p>	
<p>Four wheel drive, front-wheel drive switchable.</p>	
<p>Pre-selectable, manually operated differential locks front and rear, with switch status indicator lights on dashboard.</p>	
<p>Hydrostatic steering with Load Sensing; electro-hydraulic steering switch during driving, pre-selectable with options for 4 wheel, front, rear, and continuously adjustable crab steering; automatic synchronisation of wheel position.</p>	
<p>Hydr. dual circuit 4 wheel power brake.</p>	
<p>Mechanical parking brake acting on rear wheels.</p>	
<p>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 cock at rear linkage, one 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 front and rear (max. 10 trailer couplings front and 8 rear)</p>	
<p>Angle swing lift, with electro-hydraulic weight compensation, quick release system using seating locators, cat. 1, lowering speed control, electric external control, lifting force 1300 kg. Option: Vibration damping, G4 X: fixed design, hydraulic side shift optional. G5 X: Integrated side shift with 400 mm adjustment range (+/- 200 mm).</p>	<p>Angle swing lift, with electro-hydraulic weight compensation and vibration damping, quick release system using seating locators, cat. 1, lowering speed control, electric external control, lifting force 1300 kg. H4 X: fixed design, hydraulic side shift optional. H5 X: Integrated side shift with 400 mm adjustment range (+/- 200 mm).</p>
<p>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 1200 kg. Option: Lower links with hook ends cat. 2, electro-hydraulic weight compensation, drawbar, vibration damping.</p>	
<p>Power shift PTO front 540 rpm, counter-clockwise, and rear 540 and 750 rpm, clockwise; electro-hydraulically switchable with automatic soft start (direction of rotation: looking at PTO shaft end).</p>	<p>Power shift PTO front and rear 540 rpm, front counter-clockwise, rear clockwise, electro-hydraulically switchable with automatic soft start (direction of rotation: looking at PTO shaft end).</p>
<p>Vibration damped driver rollover protection frame 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). Option: Closed deluxe cab with heating, electric cab ventilation, air-conditioning.</p>	
<p>Tachometer with integrated operating hours meter, fuel gauge, temperature gauge, cigarette lighter, indicator lights with symbols for, e.g., differential locks, four wheel drive, hand brake, steering modes. Option: Digital speed display.</p>	<p>Tachometer with integrated operating hours meter, fuel gauge, temperature gauge, cigarette lighter, indicator lights with symbols for, e.g., differential locks, four wheel drive, hand brake, steering modes. Digital display for drive speed, temperature display for hydrostatic drive.</p>
<p>Battery 12 V, 90 Ah, alternator 70 A, full road lighting, complete with height adjustable headlights; Option: Auxiliary lights front on roof, 1 working light rear, rotating warning light.</p>	
<p>Polyethylene tank, capacity 63 l.</p>	
<p>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.</p>	
<p>Linkage toggle front/rear, hydraulic vibration damping front and rear, mechanical or automatic trailer hitches (fixed or height adjustable), var. accessories for cab, 2 speakers and aerial, stereo radio with CD or MC, 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.</p>	<p>Linkage toggle front/rear, hydraulic vibration damping rear (standard front), mechanical or automatic trailer hitches (fixed or height adjustable), var. accessories for cab, 2 speakers and aerial, stereo radio with CD or MC, 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.</p>
<p>Twin blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, front and/or side twin blade mower, front end loader, flail mower, extension arm boom flail mower, sickle mower (with side or rear ejection), suction container with or without high discharge, road sweeper, self-loading salt spreader, snow plough, snow blower; further attachments on request.</p>	
<p>Dead weight (with standard equipment): G4 X: 1850 kg, G5 X: 1870 kg Perm. axle load front: 1800 kg, perm. axle load rear: 1800 kg; perm. gross weight: 3000 kg</p>	<p>Dead weight (with standard equipment): H4 X: 1870 kg, H5 X: 1890 kg Perm. axle load front: 1800 kg, perm. axle load rear: 1800 kg; perm. gross weight: 3000 kg</p>
<p>3.55 m (with 4 wheel steering)</p>	



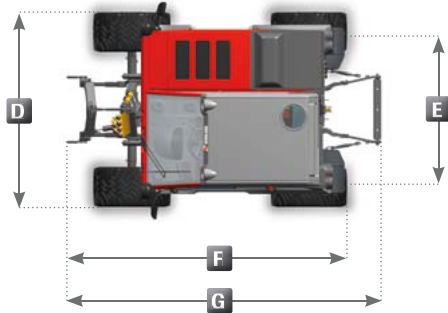
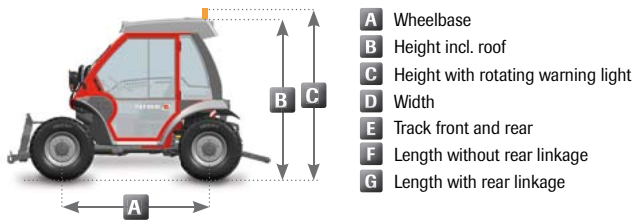
Metrac G6 X, G7 X



Metrac H6 X, H7 X

4 cylinder 4 stroke diesel engine, VM-D 754 SE 3 with turbocharger, G6 X: 45.6 kW (62 hp) at 2600 rpm, G7 X: 51.5 kW (70 hp) at 2600 rpm, displacement 2970 cm ³ , water-cooled.	4 cylinder 4 stroke diesel engine, VM-D 754 SE 3 with turbocharger, H6 X: 45.6 kW (62 hp) at 2600 rpm, H7 X: 51.5 kW (70 hp) at 2600 rpm, displacement 2970 cm ³ , water-cooled.
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, 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.	Hydrostatic drive with mechanical 2-range gear and electro-hydraulic 2-level switching, inching function, hydrostatic control optionally automotive or manual, electrically switchable. 4 speed ranges: with 33" tyres: Field: 0 – 7.6 kph / 0 – 14.6 kph, road: 0 – 19.7 kph / 0 – 38.0 kph; with 425 tyres: Field: 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 drive, multi disc clutch for PTO drive (electro-hydr. switchable).	Single disc dry clutch with hydraulic central disengagement for PTO drive (electro-hydr. switchable).
Driving/steering axles with final drives front and rear, front axle oscillating.	
Four wheel drive, front-wheel drive 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, pre-selectable with options for 4 wheel, front, rear, and continuously adjustable crab steering; automatic synchronisation of wheel position.	
Hydr. dual circuit 4 wheel simplex brake with brake booster.	Hydr. dual circuit 4 wheel power brake.
Mechanical parking brake acting on rear wheels.	
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 cock at rear linkage, one 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 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 using seating locators, cat. 1, lowering speed control, electric external control, integrated side shift with 400 mm adjustment range (+/- 200 mm), lifting force 1500 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 1500 kg. Option: Lower links with hook ends cat. 2, electro-hydraulic weight compensation, drawbar.	
Power shift PTO front 540 rpm, counter-clockwise, and rear 540 and 750 rpm, clockwise; electro-hydraulically switchable with automatic soft start (direction of rotation: looking at PTO shaft end).	Power shift PTO front and rear 540 rpm, front counter-clockwise, rear clockwise, electro-hydraulically switchable with automatic soft start (direction of rotation: looking at PTO shaft end).
Vibration damped driver rollover protection frame 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) Option: Closed deluxe cab with heating, electric cab ventilation, air-conditioning.	
Indicator lights with symbols, e.g., for differential locks, four wheel drive, hand brake, current steering mode; Analogue displays: Fuel gauge, tachometer, speedometer, coolant temperature display. Digital displays: Operating hours meter, daily hours counter, clock, PTO speed front and rear, straight wheel alignment, various warning indicators, cigarette lighter.	Indicator lights with symbols, e.g., for differential locks, four wheel drive, hand brake, current steering mode; Analogue displays: Fuel gauge, tachometer, speedometer, coolant temperature display. Digital displays: Operating hours meter, daily hours counter, clock, PTO speed front and rear, straight wheel alignment, various warning indicators, cigarette lighter, temperature display for hydrostat. drive.
Battery 12 V, 90 Ah, alternator 110 A, full road lighting, complete with height-adjustable headlights; Option: Auxiliary lights front on roof, 1 or 2 working light(s) rear, rotating warning light.	
Polyethylene 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; Option: 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 accessories for cab, stereo radio with CD or MC, 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.	
Twin blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, front and/or side twin blade mower, front end loader, flail mower, extension arm boom flail mower, sickle mower (with side or rear ejection), suction container with or without high discharge, road sweeper, self-loading salt spreader, snow plough, snow blower; further attachments on request.	
Dead weight (with standard equipment): G6 X: 2200 kg, G7 X: 2210 kg Perm. axle load front: 2100 kg, perm. axle load rear: 2100 kg; perm. gross weight: 3400 kg	Dead weight (with standard equipment): H6 X: 2200 kg, H7 X: 2210 kg Perm. axle load front: 2100 kg, perm. axle load rear: 2100 kg; perm. gross weight: 3400 kg
3.55 m (with 4 wheel steering)	

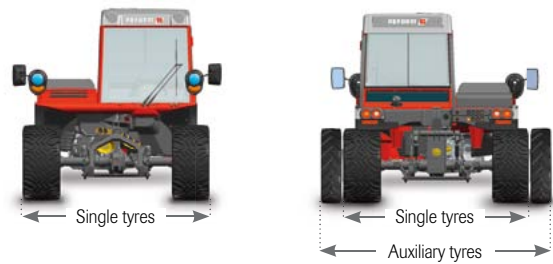
Dimensions G3 – H7X



Dimensions in mm with standard tyres

	Metrac G3	Metrac G4X, G5X	Metrac G6X, G7X	Metrac H4X, H5X	Metrac H6X, H7X
	26x12.00-12	31x15.50-15	33x15.50-15	31x15.50-15	33x15.50-15
A	1665	1950	1995	1950	1995
B	1885	2080	2165	2080	2165
C	2185	2300	2365	2300	2365
D	1885	2020	2020	2020	2020
E	1565	1630	1630	1630	1630
F	2615	3065	3160	3065	3160
G	2975	3520	3580	3520	3580

Wheel outer widths G3 – H7X



Wheel outer width (mm)	G3	G4X G5X	G6X G7X	H4X H5X	H6X H7X
26x12.00-12 Terra tyres	1885	----	----	----	----
26x12.00-12 with 5.00-15	2205	----	----	----	----
29x13.50-15 Terra tyres	1985	----	----	----	----
29x13.50-15 with 5.00-16	2300	----	----	----	----
31x15.50-15 Terra tyres	----	2020	----	2020	----
31x15.50-15 turf tyres	----	2020	2020	2020	2020
31x15.50-15 AG tyres	----	2020	2020	2020	2020
33x15.50-15 Terra tyres	----	2020	2020	2020	2020
31x15.50-15 with 6.50-16	----	2410	2410	2410	2410
33x15.50-15 with 7.50-16	----	2440	2440	2440	2440
425/55 R17 All-Ground	----	----	2160	----	2160
425/55 R17 AG tyres	----	----	2160	----	2160
440/50 R17 All-Ground	----	----	2160	----	2160

Reform Metrac – simply the best!





REFORM – your strong partner.

The acknowledged expert in municipal technology, intensive lawn care, mountain agriculture, horticulture and landscaping as well as seed drill construction since 1910. Innovative quality solutions help to preserve a livable environment. We maintain a long term reliable partnership with our customers. REFORM is your expert for steep slopes so

you experience 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.



MOWERS



MULI



MOUNTY



SEMO/TERRA

Your Reform partner

Stocker-Crew

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sales@stockercrew.com.au
www.stockercrew.com.au

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