

Metrac

The equipment carrier suitable for slopes

REFORM 



Metrac

Excellent slope capability.
Soil-conserving. Safe.

Metrac G3, G3 X, G4 X, G7 RX

Metrac H4 X, H7 RX, H7 X, H9 X

REFORM. Teamwork Technology.



REFORM Metrac

The all-round tool.

The REFORM Metrac is a two-axle mower developed for extremely steep terrain for mountain agriculture and municipal technology. It is characterised by state-of-the-art technology and maximum economy. With its outstanding slope capability and maximum soil protection at the same time, the Metrac offers unique working comfort. REFORM Metrac have been produced in series since 1965.

The benefits at a glance:

- Powerful, thrifty 4-cylinder diesel engines
- Multi-function control lever for highest operating comfort*
- Preselectable differential locks with 100 % locking efficiency
- Switchable 4 wheel drive
- Depending on the area of use: Manual 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 in G3/G3 X



The Pro in Action!



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.

1 Front linkage with front PTO

Rotary disc mower, twin blade, side delivery belt rake, flail mower, 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 Disc mower



1 Sweeper



1 Sickle mower
2 Suction container



1 Delivery flail mower



1 Flail mower



1 Flail mower



1 Sickle mower



1 Double-knife front mower



1 Rotary snowplough



2 Tilting shovel



1 Band rake

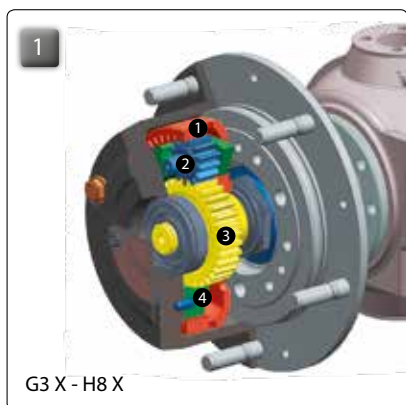
Metrac in action all year round.



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 rotary disc mower, side delivery belt rake, flail mower, snow blower, snow plough, road sweeper and many more.



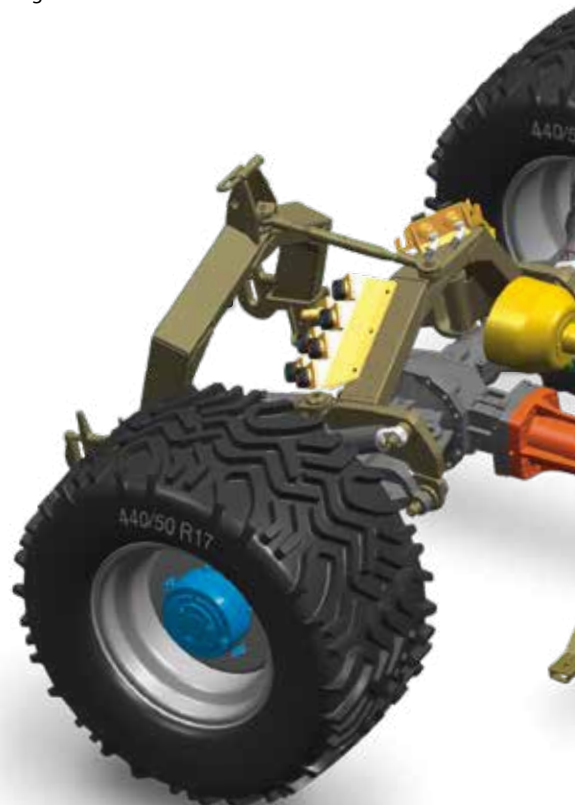
Robust driving/steering axles with planet gear final drives deliver high pulling force and protect the drive train. The drive shafts are exposed to lower forces, therefore they can be built in a lighter design.

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

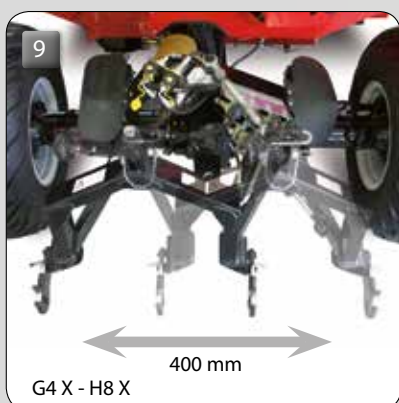
- 2 Central joint and oscillating axle
The pivoting central joint between pendulum front and rear axles takes care that all 4 wheels have permanent traction, ensuring safe driving behaviour in any situation. You get full power transfer and optimum soil protection also in rough terrain.

- 3 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 electro-hydraulically via a multi disc clutch (G3/G3 X manually).

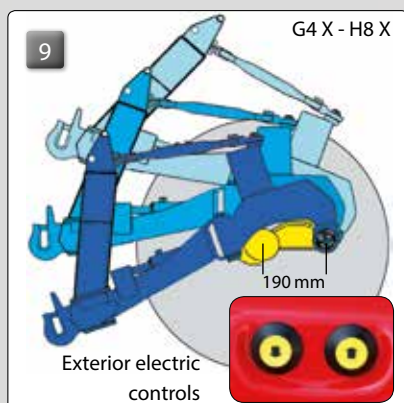
- 4 Mechanical transfer gear with PTO coupling
The drive goes from the engine via the clutch to the mechanical transfer gear and from there to the front and rear PTOs. In the G models, the force flows from the mechanical transfer gear via a cardan shaft to the manual gearbox.



Hydraulic lateral displacement



Rotating angle front linkage

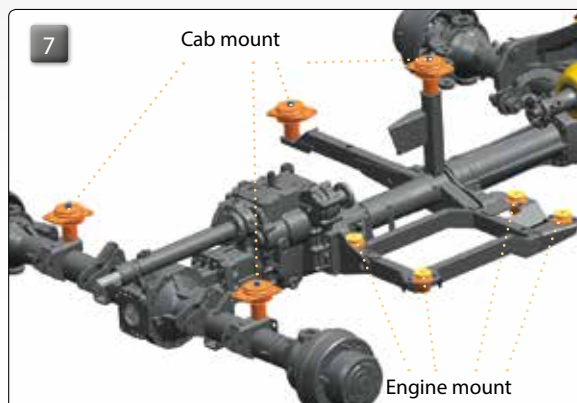


The strong, axle guided front linkage (9) provides best contour following through pivot points that are located far behind the front axle. The standard hydraulic (G3 / G3 X) or electro-hydraulic weight compensation provides higher traction and better climbing capability combined with best contour following 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.

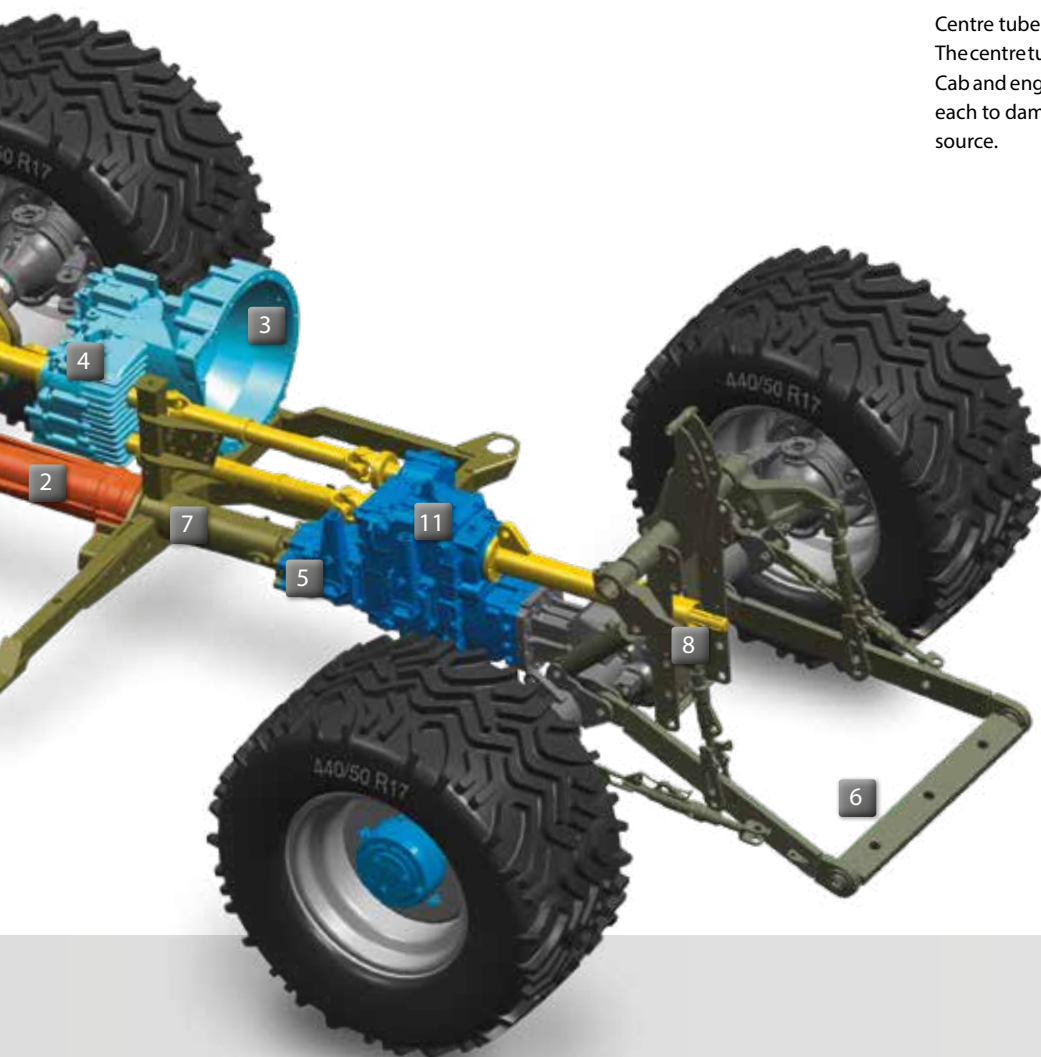
In the G models, the front PTO (10) is driven via a multi-disc clutch, and via a single-disc dry clutch in the hydrostat models. The high efficiency of the electro-hydraulically (not in G3 / G3 X) power-shiftable PTO with 540 rpm facilitates the efficient use of attachments.

5 The 4 wheel drive (front-wheel drive disconnectable) facilitates maximum power transmission to the ground by optimal distribution of the driving force to both axes.

6 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 front 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.

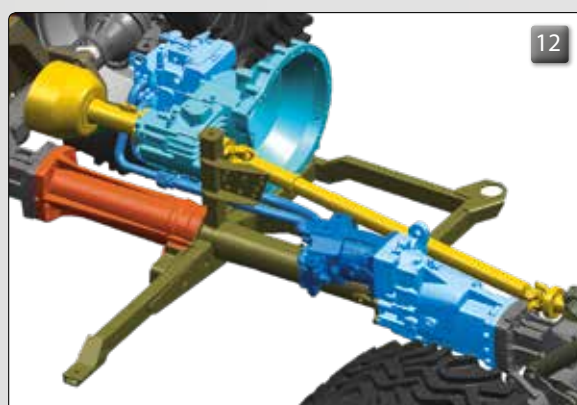


8 The rear PTO is electro-hydraulically switchable and ensures the soft starting of attachments due to the soft start system (does not apply to G3 / G3 X: rear gearbox PTO).

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. G4 X – G7 RX 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.

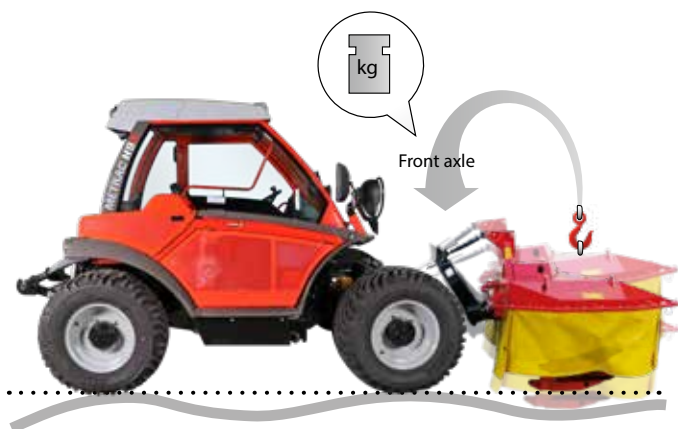
Large fuel tank (not shown)
The large polyethylene tank holds enough fuel for a whole working day without refilling.



12

Protecting man and machine

REFORM weight compensation 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 – H8 X
The front linkage with electrohydraulic 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 preselectable 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

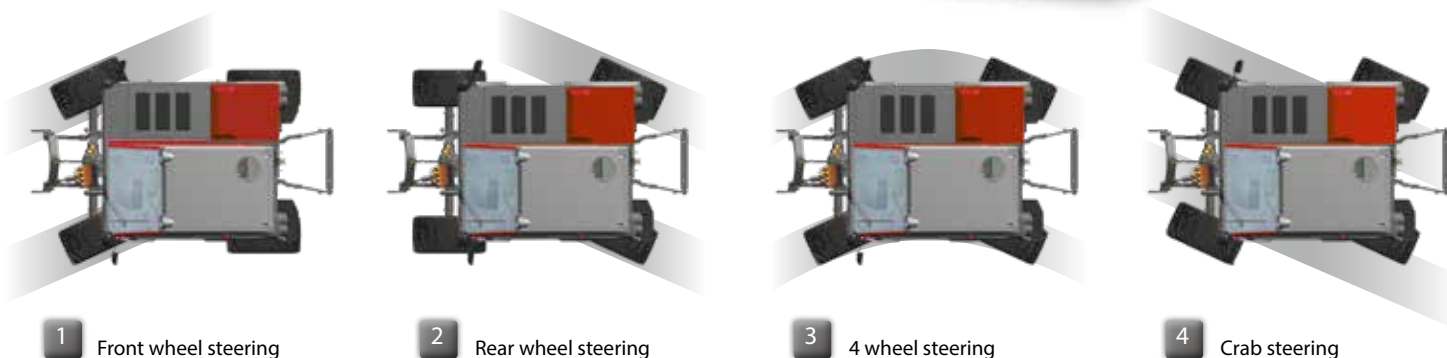
The smart 4 wheel steering system.

Up and down the hills with 4 wheel steering
The hydrostatic steering system with 4 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 wheel steering

2 Rear wheel steering

3 4 wheel steering

4 Crab steering

1 Front wheel steering

- For driving on roads, for safe, 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 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 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.
- Convenient for spreading at boundaries with 3 point rotary tedder.
- Soft ground is protected since each wheel runs in its separate track.



Metrac H7 X und H9 X



Metrac H7 RX

REFORM Metrac H-models



Hydrostatic drive.

In the Metrac H4 X - H8 X series, the hydrostatic drive with 4 speed ranges allows the continuous speed adjustment to the working conditions and provides added safety on slopes through continuous traction.

Choose your driving mode:

Manual with the multi-function driving 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 driving lever.

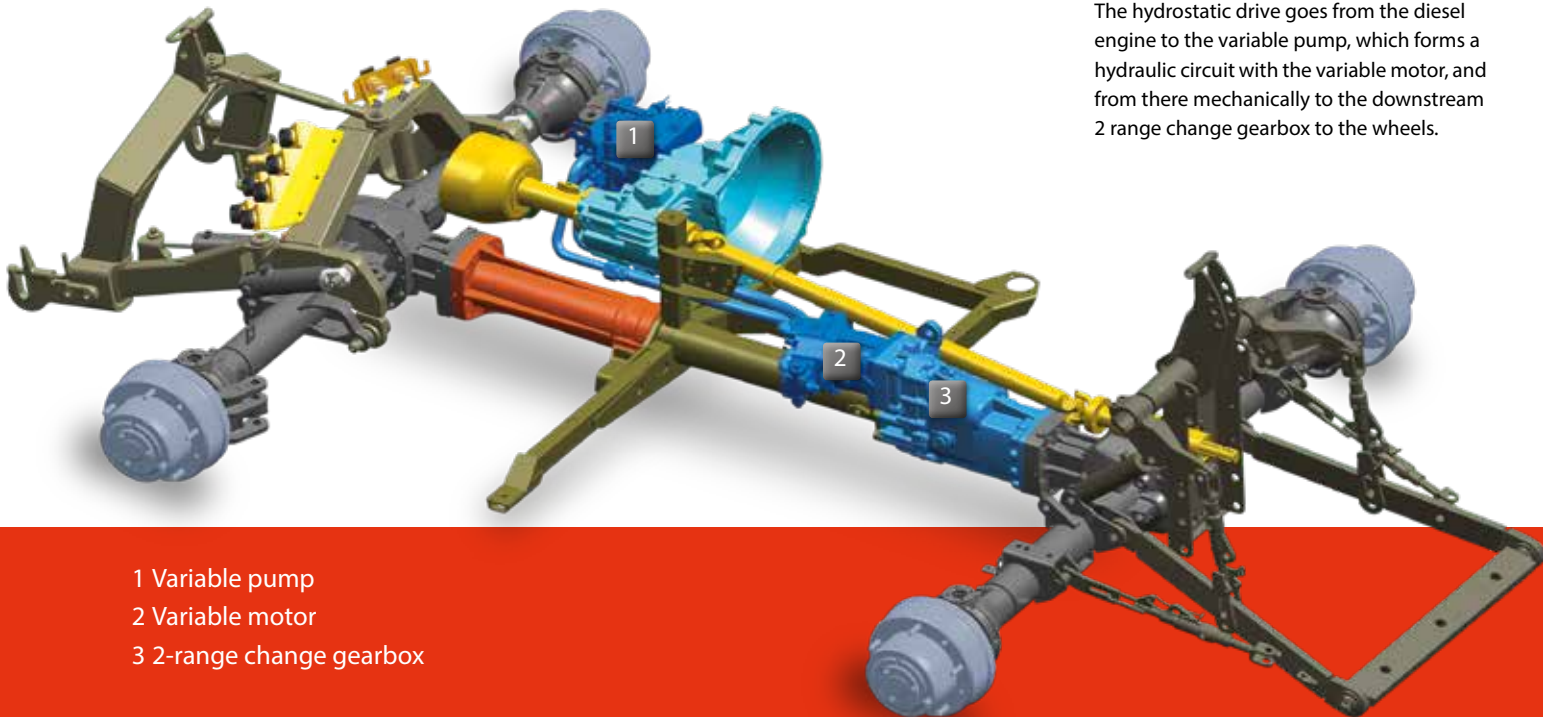


2 mech. ranges

2 hydraulic ranges

automotive or manual

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 change gearbox to the wheels.



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

Speeds in kph with standard tyres

**H4X
H7RX**

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

**H7X
H8X**

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



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 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.

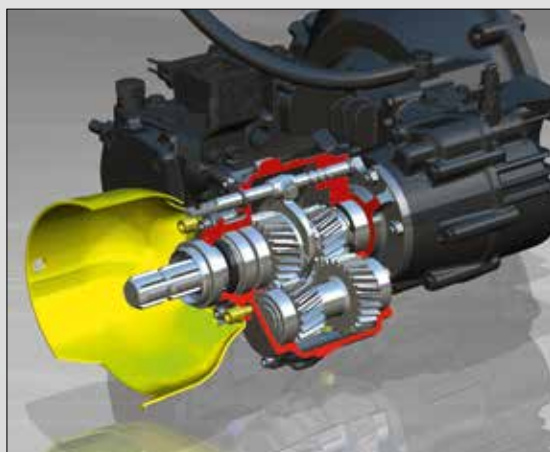
REFORM Metrac H7 X

Top performance with the powerful and comfortable top range.

The 74 HP 4-cylinder Turobodiesel engine in the Metrac H7 X convinces with high economy and performance. The comfortable cab with intuitive operation ensures maximum working comfort. High front axle loads of 2,100 kg and 2,600 kg make the Metrac H7 X a true workhorse. With a permissible total weight of 4,000 kg, the Metrac H7 X guarantees a high payload. The Metrac H7 X already complies with exhaust emission level 5 regulations.

The advantages at a glance:

- 74 HP
- 310 NM
- 2300 rpm Rated speed
- Empty weight from 2275 kg
- Wheelbase 2045 and 2245 mm
- Oscillation up to 15 degrees
- New Bosch Rexroth hydrostatic components
- Diesel Particulate Filter (DPF)
- Reversible fans
- Emission level 5



PTO shafts H7 X and H9X

In order to meet individual customer requirements, the H7 X and H9X, two different speeds (540 or 1000 rpm) can be selected at both the front PTO and the rear PTO. Optionally, the PTO speeds are also combined in a manual gearbox. The Metrac H7 X and H9 X always offer the right PTO speed for the attachment.



Working area H7 X and H9 X

The comfortable driver's cab of the Metrac luxury class has a noise-optimized design and has a logical switch grouping. The operation is arranged in logical groups and is intuitive and logical.

The reduced nominal speed of 2,300 rpm contributes to a pleasant background noise and enables fatigue-free working - even on long working days.

- logical and intuitive operation
- pleasant soundscape



H7 X and H9 X oscillation

To be even better on rough terrain, REFORM offers two wheelbases (2045 and 2245mm) for the Metrac H7 X and H9 X, which enable front axle oscillation of up to 15 degrees. Thanks to all-wheel steering with the same steering angle on both axles, the Metrac H7 X and H9 X are very manoeuvrable.

- up to 15 degrees oscillation
- 2 wheelbases

REFORM Metrac H9 X

Top performance in the comfortable upper class.

With a powerful 91 hp turbo engine, the H9 X extends the Metrac X series upwards. Excellent lifting forces and axle loads as well as different PTO shaft speeds enable demanding applications 365 days a year. With an unladen weight from 2,345 kg, the Metrac H9 X is a true lightweight in its class. Equipped with a diesel particulate filter (DPF) and an SCR catalytic converter with AdBlue injection, it meets the high requirements of Stage 5 exhaust emission standards.

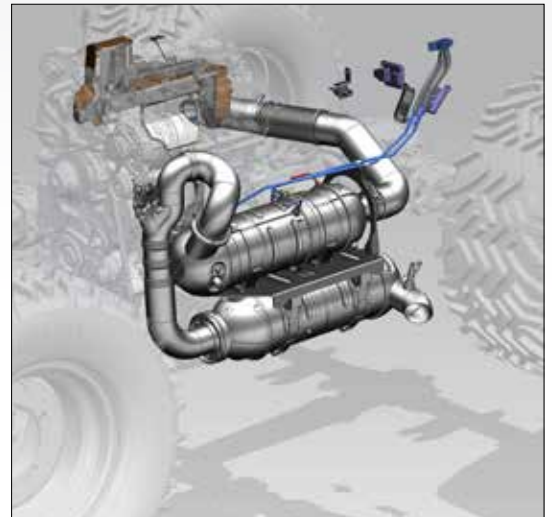
The advantages at a glance:

- 91 HP
- 380 NM
- 2300 rpm Rated speed
- Empty weight from 2345 kg
- Wheelbase 2045 and 2245 mm
- Oscillation up to 15 degrees
- New Bosch Rexroth hydrostatic components
- Diesel Particulate Filter (DPF)
- SCR Catalyst
- AdBlue
- Reversible fans
- Emission level 5



Hydrostat as powerful as a bear

The new Bosch-Rexroth hydrostatic components significantly increase the performance of the Metrac H7 X and H9 X. The larger hydrostatic units provide a 15% higher tractive effort. This has an extremely positive effect on the driving characteristics.



New H7 X and H9 X engines

With the two new models Metrac H7 X and H9 X, REFORM meets an important practical requirement. With the new, powerful 4-cylinder turbo diesel engine with 91 hp, the new Metrac H9 X is a real powerhouse. Due to the integrated exhaust aftertreatment with a DPF and SCR catalytic converter, the Metrac H9X meets the strict exhaust emission standards of stage 5. Thanks to the automatic regeneration of the DPF filter, maintenance of the exhaust aftertreatment system has been reduced to a minimum.

- 74 HP / 91 HP
- 310 NM / 380 NM
- 2300 rpm

New hydrostatic cooling

Due to the new enlarged hydrostatic cooler and a temperature-controlled circuit, the hydrostatic components are always optimally cooled. The fan's automatic reversal of direction of rotation ensures that the cooler never gets dirty and also cleans itself automatically.

- 15% better traction
- Larger hydrostatic cooler
- Automatic reversal of direction of rotation ensures clean coolers



Reversing fan for motor cooling

For particularly dusty and dirty conditions, the Metrac H7 X and H9 X are recommended to use the reversing fan. This enables rapid cleaning of the cooling system by rotating the fan blades. At the push of a button, the blades rotate and the entire contamination of the cooler is blown outwards. In addition, special grilles on the cooler ensure that dirt adheres less.



REFORM Metrac G models



Mechanical gearbox.

Shifting made easy – the Metrac G3 – G7 RX series comes with standard synchronised shuttle gearbox (not in G3/G3 X) 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 Transfer gear

- 3 4-speed manual gearbox
- 4 Shuttle gearbox (2 or 3 ranges)



The gear levers are ergonomically and clearly placed.



4 gears

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 manual gearbox. This is translated to 8 or 12 speeds, respectively, by the 2- or 3-range shuttle gearbox.

G3 G3X G4X G7RX

	26x12.00-12	29x13.5-15	31x15.5-15	33x15.5-15	Speeds in kph
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	2.3	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	
Gear I	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 shifting and shuttle gearbox (G4 X - G7 RX)
- 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
- 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 G7 RX



Metrac G7 RX

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
- 4 wheel drive, front-wheel drive connectable/disconnectable
- Power shiftable front PTO
- Low centre of gravity, large footprint
- 26" wheels – optionally 29"
- Highest soil protection and agility.
- Optionally with closed cab, heater and defroster



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 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 preselectable 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.

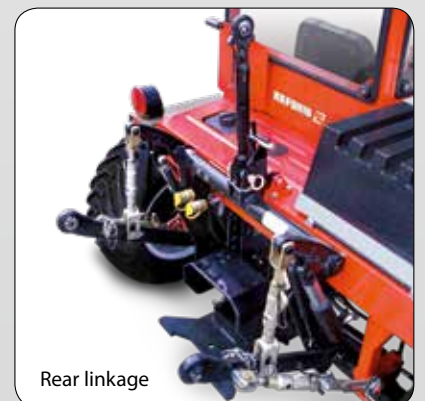




The generously sized cab
Sit down on the ergonomic comfort seat.
All levers and pedals are ergonomically
arranged in functional groups.
Short shifting travels of the 8F/8R shuttle gearbox
provide fast and safe shifting even on slopes.
The straightforwardly organised dashboard, with
clearly structured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



Front linkage



Rear linkage

Robust linkages

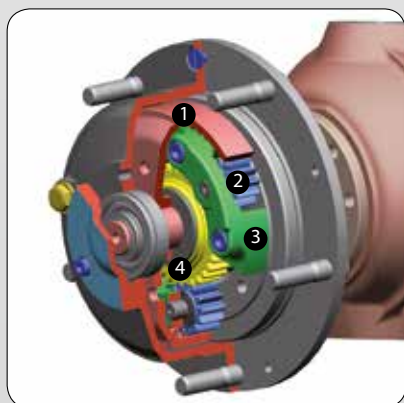
The front and rear linkages with weight compensation ensure optimal work in landscaping and in municipal use. The standard front linkage cat. I lifts 900 kg and can be equipped with a hydraulic top link. The optional rear 3-point linkage with moving lower links has a lifting power of 950 kg.

REFORM Metrac G3 X

Compact and comfortable.

The entry level to the X series has never been more comfortable 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 defroster, making the machine fit for use in poor weather conditions.

- Robust driving/steering axles with planet gear final drives
- 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

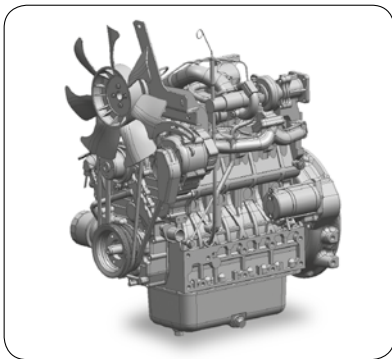
Take your seat in the generously dimensioned deluxe cab and feel instantly at home. All controls are in easy reach and ergonomically arranged in functional groups.



REFORM Metrac G4 X

The versatile multi-talents for any job.

With its Metrac G4 X model, REFORM has devised a high performing, comfortable and reliable two axle mower 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.

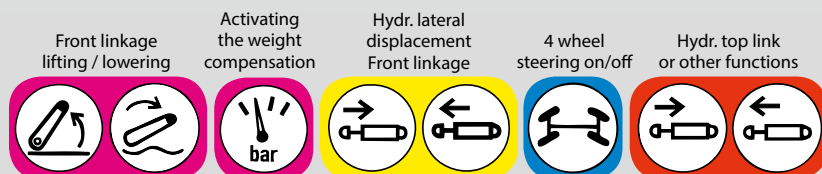
The Metrac G4 X has a front linkage with integrated lateral displacement as standard.



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.

(The figure on the left shows the H model)





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 G7 RX

The efficient power pack.

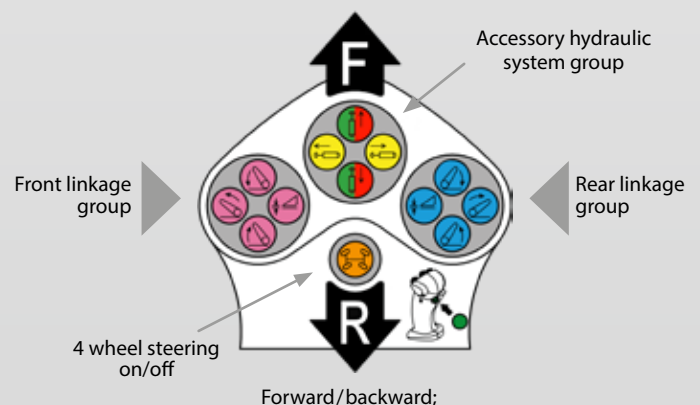
With the Metrac G7 RX, the gearbox variant of the hydrostat model H7 RX, REFORM combines efficiency, compactness and productivity in just one vehicle. A completely new design, a spacious interior, ease of maintenance and ergonomic controls make the G7 RX a comfortable flagship model within the proven 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 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. This means more comfort and safety, and for the Metrac a longer service life by reduced load.



Metrac H4 X



Metrac H7 X



Metrac H9 X



Metrac G7 RX



Metrac H9 X



Metrac H7 X

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 electric WIPOMAT swivel unit offers maximum driving comfort even during long days of work.



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



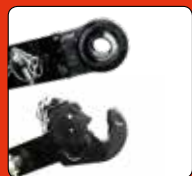
All Metrac models can be finished in your specified custom paint.

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 1,200 or 1,500 kg in the X series (not on G3 X) allow the use of high performance attachments.



Electric external control



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

- Double-acting cylinders (lift/pressure) (switchable to single-acting).
- Movable strut supported lower links
- Longitudinally adjustable lifting gear stabilisers and lowering speed control.
- Optional vibration damping (G7 RX and H4 X-H8 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.

Basic tyres



26x12.00-12 Terra



31x15.50-15 Terra



33x15.50-15 Terra



440/50 R17
All-Ground

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.



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 AG*



31X15.50-15
with 6.50-16 AG



33X15.50-15
with 7.50-16 AG



425/55 R17
with 7.50-18 AG

Steering angle
is not limited!

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

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 mounting and removing with quick-release lock.

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.

Innovative engineering since 1910

Customer Satisfaction through Quality.

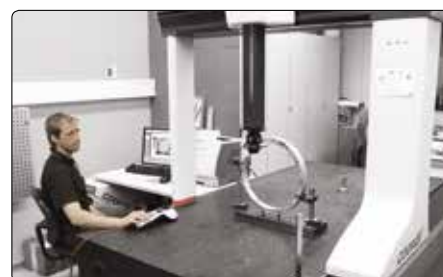
REFORM-Werke Wels is one of the few manufacturers which assume undivided responsibility for the entire value added chain. Have a brief tour on the creation of Reform products, from development of a new machine to standard production. The entire production process is subject to the requirements of the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

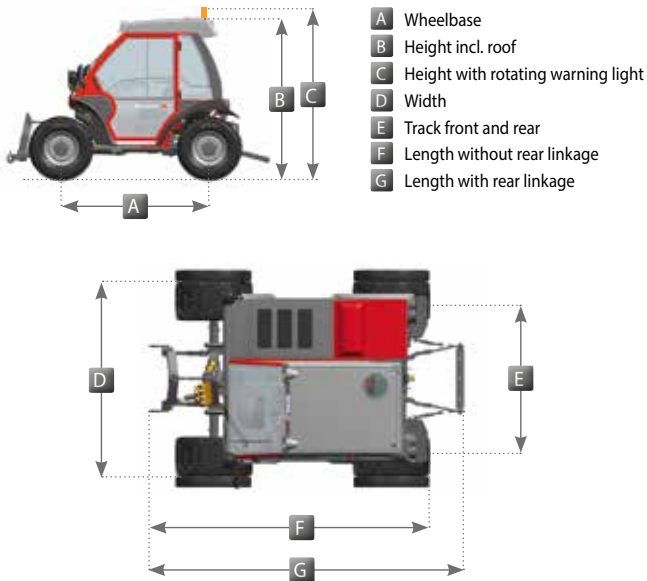
REFORM – On the way to the customer.

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.



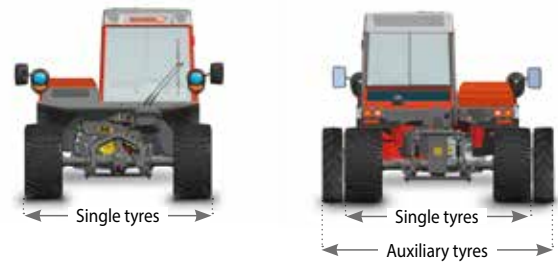
Dimensions G3 – H8 X



Dimensions in mm

	Metrac G3	Metrac G3 X	Metrac G4 X	Metrac G7 RX	Metrac H4 X	Metrac H7 RX	Metrac H7 X, H8 X
26x12.00-12							
29x13.50-15							
31x15.50-15							
33x15.50-15							
A	1,665	1,665	1,950	1,995	1,950	1,995	1,995
B	1,925	1,965	2,080	2,160	2,080	2,120	2,165
C	2,211	2,251	2,300	2,360	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	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	----	----	----	2,160	----	2,160	2,160
425/55-R17 with 7.50-18	----	----	----	2,630	----	2,630	2,630
440/50 R17 All-Ground	----	----	----	2,160	----	2,160	2,160
440/50-R17 with 7.50-18	----	----	----	2,630	----	2,630	2,630

REFORM Metrac – simply the best!



Technical data



Metrac G3



Metrac 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 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).	Shuttle gearbox with 8 forward and 8 reverse gears, speed: 2.3 – 23.0 kph (29" tyres)
Clutch	Single-disc dry clutch for 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.	Driving/steering axles with final drives front and rear, front axle oscillating.
Axle drive	4 wheel drive, front-wheel drive switchable.	
Differential locks	Self-locking differential front, manual differential lock rear.	
Steering	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; Autom. 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.	
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; optional: 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.	
PTOs	Power shift PTO front 540 rpm, turning anti-clockwise, PTO rear 540 rpm, turning clockwise (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.	
Gauges	Tachometer with integrated operating hours meter, fuel gauge, remote thermometer, indicator for straight wheel alignment, various signal 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	PE tank, capacity 35 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.	
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: from 1,420 kg Perm. axle load front: 1,450 kg Perm. axle load rear: 1,450 kg Perm. gross weight: 2,250 kg	Dead weight: from 1,490 kg Perm. axle load front: 1,600 kg Perm. axle load rear: 1,600 kg Perm. gross weight: 2,500 kg
Turning radius	3.10 m with 26" tyres (with 4 wheel steering) 3.20 m with 29" tyres (with 4 wheel steering)	3.20 m with 29" tyres (with 4 wheel steering)



Metrac G4 X



Metrac G7 RX



Engine	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 cm ³ , max. torque 250 Nm, water-cooled, emission stage 3B.
Gearbox	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.	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.
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 final drives front and rear, front axle oscillating.	
Axle drive	4 wheel drive, front-wheel drive switchable.	4 wheel drive with electro-hydraulically switchable front wheel drive
Differential locks	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.
Steering	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.	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.
Service brake	Hydraulic dual circuit 4 wheel power brake.	
Parking brake	Mech. parking brake, acting on rear axle service brake.	
Engine hydraulics	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 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).	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 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)
Front linkage	Angle swing lift with electro-hydraulic weight compensation, quick release system via seating locators, cat. 1, mech. top link, lowering speed control, electric external control, lifting force 1,300 kg. Integrated side shift displacement with 400 mm adjustment range (+/- 200 mm). Option: Vibration damping	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 linkage (option)	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 hooks cat. 2, 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.
PTOs	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	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.
Gauges	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. Option: Digital speed display.	Central instrument cluster for driving speed, engine speed, operating hours 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. On-board computer integrated in the instrument cluster with features such as service indicator, fuel consumption display, acreage counter, digital speed display accurate to 1/10 kph, and much more. Ergonomically and logically arranged switches.
Electric system	Battery 12 V, 90 Ah, alternator 70 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.	Battery 12 V, 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.
Fuel tank	PE tank, capacity 63 l.	PE tank, capacity 85 l.
Seat designs	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.	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.
Accessories	Linkage-switching front/rear incl. weight compensation, hydraulic vibration damping rear (front standard), 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.	Rear 3-point linkage with retaining balls cat. 1 and 2, electric external control, lowering speed control, weight compensation, vibration damping, lifting force 1,500 kg; linkage switching front/rear, various trailer hitches, radio, snow chains, fuel filter heated, hydraulic top link, swivel seat, air-cushioned comfort seat.
Attachments	Twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork (with side or rear ejection), suction container with or without high discharge options on request.	fork, dump bucket, flail mower, extension arm boom flail mower, sickle mower road sweeper, self-loading salt spreader, snow plough, snow blower; further options on request.
Weights	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	Dead weight: from 2,100 kg, Perm. axle load front: 2,100 kg, rear: 2,600 kg; Perm. gross weight: 3,800 kg
Turning radius	3.55 m (with 4 wheel steering)	

Metrac H4 X



Metrac H7 RX



4 cylinder 4 stroke diesel engine Kubota V2403-M naturally aspirated engine, 36 kW (49 hp) at 2,700 rpm, displacement: 2,434 cm³, max. torque 158 Nm, water-cooled.

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

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.

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

Hydrostatic steering with Load Sensing; Electro-hydraulic steering switch during driving, 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 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, lifting force 1,300 kg. Fixed design, hydraulic lateral displacement.

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.

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.

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.

PE tank, capacity 63 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.

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.

Twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, 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; further options on request.

Dead weight from 1,870 kg
Perm. axle load front: 1,800 kg, perm. axle load rear: 2,100 kg; Perm. gross weight: 3,400

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 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 km/h / 0 – 15.0 km/h Road: 0 – 19.6 kph / 0 – 39.0 kph

4 wheel drive, front-wheel drive electro-hydraulic connect and disconnect.

Preselectable, 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 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 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 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, 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, 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, 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

Central instrument cluster for driving speed, engine speed, operating hours 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. On-board computer integrated in the instrument cluster with features such as service indicator, fuel consumption display, acreage counter, digital speed display accurate to 1/10 kph, and much more. Ergonomically and logically arranged switches for all electrical functions.

Battery 12 V, 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.

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 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.

Twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, 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; 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

3.55 m (with 4 wheel steering)

Metrac H7 X



Metrac H9 X



4-cylinder diesel engine VM R754ISE5, 54.5 kW (74 hp) at 2300 rpm, (exhaust stage 5) with turbocharging and common rail direct injection, charge air cooling, diesel particulate filter DPF, externally cooled exhaust gas recirculation, displacement 2970 cm³, water-cooled, reversible fan (optional)

4-cylinder diesel engine VM R754EU6, 67 kW (91 hp) at 2300 rpm, (exhaust stage 5) with turbocharging and common rail direct injection, charge air cooling, diesel particulate filter DPF, SCR technology and AdBlue, externally cooled exhaust gas recirculation, displacement 2970 cm³, water-cooled, reversible fan (optional)

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-hydraulic connect and disconnect.

Preselectable, 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 28.7 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 12 V, 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 80 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 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.

Twin-blade mower, rotary disc mower, side delivery belt rake, front collecting fork, dump bucket, 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 options on request.

Dead weight: from 2275 kg, max. front axle load: 2100 kg, max. rear axle load: 2600 kg, Permissible total weight: 4000 kg

Dead weight: from 2345 kg, permissible front axle load: 2100 kg, permissible rear axle load: 2600 kg, Permissible total weight: 4000 kg

3.55 / 3,74 m (with 4 wheel steering)



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Since 1910, a recognised specialist in mountain agriculture, municipal technology, intensive lawn care, horticulture and landscaping. 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.



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