REFORM

Metrac. The original.

NEW:
Metrac H70 R

Metrac H60, H70 and H70 R

Powerful. Safe. Comfortable.

Excellent slope capability.

REFORM. Teamwork Technology.

VERSATILE

+ Front and rear lifting gear with 1,500 kg lifting capacity each
+ Powershift PTO (540 rpm)
+ Working hydraulics with implement relief and Front and rear vibration damping

= Universal machine for all seasons

SAFE

+ Optimised all-terrain chassis with floating axle
+ Four-wheel drive as standard
+ All-wheel steering system with 5 steering modes
+ Electronic differential locks 100%

= Highest level of safety on any terrain

COMFORTABLE

+ Newly developed cab
+ Tested comfort seats
+ High quality heating and air conditioning
+ Wider entry, improved all-round view

= A comfortable workplace

USER-FRIENDLY

+ Operation via multifunction joystick
+ Central controller „R-Com“
+ Logical arrangement of the controls
+ Central information display

= Easy, fatigue-free operation

ECONOMICAL

+ Simplified access for easier maintenance
+ Efficient Perkins diesel engines
+ Self-cleaning hydraulic oil cooling
+ Minimum downtimes

= Increased efficiency, high availability

ENVIRONMENTALLY FRIENDLY

+ Hydrostatic drive
+ Load-based working hydraulics
+ Low dead weight
+ Maximum protection of soil and turf

= Maximum protection for environment and soil

Compact Versatility

The new Metrac H60, H70 and H70 R feature powerful front and rear linkages. In combination with the modern working hydraulics, they become optimal companions for the whole year.

Modern working hydraulics

The proven linkage technology is based on a load-dependent working hydraulic system. The electro-hydraulic weight compensation is gentle on the vehicle and the attachments, while the hydraulic vibration damping ensures better driving comfort and smoother running.

3-point linkages

The new Metrac have rotary linkages with front PTO (attachment category 1) and rear linkages with rear PTO (attachment categories 1 and 2). The lifting capacity is 1,500 kg each. The three standardised attachment points of the linkages allow easy mounting and dismounting of implements. removal of implements. The front and rear linkage and the upper linkage can be operated from the cab or via convenient external buttons on the outside of the cab.

Power shift PTO

The high efficiency of the electro-hydraulic power shift PTO (540 rpm front and rear) provides power precisely when it is needed. The automatic soft start ensures smooth starting of attachments.

Safe on every slope

For more than 5 decades, the Metrac has stood for safety on slopes like no other vehicle. for safety on slopes. The new the new H60, H70 and H70 R also have the technology that enables optimum control in every control in every driving situation.

Optimised all-terrain chassis

An important component for the extreme slope capability of the Metrac-models is the mounting of the engine and cab at centre of gravity height. In addition, all three models are available with a long wheelbase for even more safety on extreme slopes. The oscillation of the front axle (short wheelbase 9°, long wheelbase 15°) always ensures maximum ground contact.

Proven 4 wheel drive

The standard 4 wheel drive allows maximum power transfer to the ground through optimum distribution of the driving forces to both axles.
When 4 wheel steering is active, the front and rear wheels run exactly in the same line, ensuring absolutely tension-free traction of all 4 wheels.
The electro-hydraulically activated front and rear differential locks offer best possible traction on difficult terrain.

Intelligent 4 wheel steering system

The standard 4 wheel steering system of the Metrac with five steering modes allows optimum adaptation to ground and terrain.
Front, rear, 4 wheel and crab steering as well as offset 4 wheel steering can easily be switched at the push of a button..

Safety through quality

The new Metrac H60, H70 and H70 R were developed and manufactured in accordance with the latest European standards in agricultural vehicle construction. A parallel development process of mechanics and electronics ensures the highest level of safety and quality. Of course Metrac meets all criteria for EU homologation and country-specific approvals.

Comfort for every Use

Do you value a spacious entry area, optimum all-round visibility, tested comfort seats and a powerful air conditioning system? Welcome to the newly developed Metrac driver‘s cab.

Newly designed Cabin

The wide entry area of the new driver‘s cab offers a high level of comfort. The all-glass door provides optimum all-round visibility and has a noise-insulating effect thanks to its spherical curvature.

Comfortable driver‘s seat

The tested comfort seats of the new Metrac have a pelvic support and armrests on both sides. A mechanical or electric swivel mechanism offers optimum comfort for longer journeys on slopes.

Powerful air conditioner

The newly developed air conditioning system is as powerful as it is comfortable. Mixed air flows from the ventilation nozzles in the dashboard, achieving optimum temperature control in the cab.

Hydrostatic drive

The hydrostatic travel drive with 2 speed ranges and 2 mechanical terrain reductions enables the infinitely variable adjustment of the travel speed. The control is carried out either with the accelerator pedal or with the travel lever and offers a high level of operating comfort. In addition, the permanent frictional connection of the hydrostatic drive also provides significant safety advantages on slopes.

COMFORTABLE

Get in and drive off

True to the motto „the driver is at the centre“, great importance was attached to simple operation and an optimum overview in the new Metrac. The logical and convenient arrangement of the controls ensures that this is achieved in the best possible way.

Drive lever with multifunction joystick

The mechanical travel lever with integrated multifunction joystick combines all functions for the travel drive and the control of the attachments. In addition, the selection of the five different steering modes is also made here. The focus is on logical and intuitive operation.

Central controller (R-Com)

The R-Com is a central rotary control with several function keys that are used to set important travel and hydraulic functions. The placement directly next to the travel lever ensures comfortable operation.

Logically grouped function switches

In order to be able to easily operate other important functions such as differential locks and hydraulic circuits, the corresponding function switches have been installed directly next to the driving lever.

Clearly structured information display

The central information display (4.3” TFT LCD) is installed in the middle and includes 3 analogue displays and 32 indicator lights. Alle wichtigen Informationen sind dadurch immer im Sichtfeld des Fahrers.

Efficient motors, easy maintenance

When it comes to economy, the new Metrac scores with free accessibility and easy maintenance. The modern motorisation ensures the optimum balance between performance and consumption. This is where the new Metrac also benefits from its low dead weight.

Better access, easier maintenance

Maintenance of the new Metrac models is as simple as can be: all essential vehicle components such as the cooling system, engine, electronics and fresh air intake are quickly and easily accessible.

Efficient Perkins diesel engine

Perkins‘ new common-rail diesel engines combine power and torque with reasonable fuel consumption. Compact, Lightweight yet powerful, they are the optimum engine for the Metrac H60 (61 hp) and the Metrac H70 and H70 R (75 hp). Both Perkins engines are classified in exhaust gas stage 5 and are factory equipped with a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF).

Self-cleaning Hydraulic cooler

In the new cooling concept for the Metrac H60, H70 and H70 R, all radiators were integrated into one unit at the side of the vehicle. This allows optimum accessibility through the side flap, which opens freely and can also be detached for more comprehensive maintenance work. In addition to this, the system features direction reversal of the fan as a standard, which makes it self-cleaning. The models are also equipped with a working hydraulic oil cooler.

Gentle on the environment and on the soil

The hydrostatic drive of the new Metrac offers a high level of efficiency and delivers power precisely when it is needed. The working hydraulics also react to the current load case, helping to lower fuel consumption. The well-engineered slope capability and the low dead weight protect the soil and turf in an optimal way.

Efficient hydrostatic drive

The hydrostatic drive ensures optimum efficiency and creates the right balance between performance and consumption.

Consumption-saving working hydraulics

The working hydraulics have a separate oil reservoir, which prevents contamination of the hydrostatic oil balance. The oil flow is regulated depending on the load and thus reduces fuel consumption – as does the PTO with load limit control.

Maximum soil protection

The new Metrac have been optimally balanced and have a homogeneous weight distribution with an extremely low centre of gravity. In combination with the low dead weight, this enables the best possible protection of the turf.

Top exhaust tailpipe

The overhead exhaust tailpipe ensures reduced turbulence of dust and dirt particles in daily operation. It also prevents contamination of the material to be cut.

ECO-FRIENDLY

Metrac H60 TECHNOLOGY

Common rail diesel engine from Perkins

Power 61 PS / 45 kW
Torque 220 Nm
Displacement 2,216 cm³
Exhaust gas stage 5 Diesel oxidation atalyst (DOC) Diesel particulate filter (DPF) Integrated exhaust gas aftertreatment

Hydrostatic drive

2 hydrostatic speed ranges
2 mechanical terrain reductions
Auto and manual drive mode
inching pedal
Short or long wheelbase

Special off-road chassis

All-wheel drive with planetary final drives
All-wheel steering system with 5 steering modes

Working hydraulics for front and rear

Lifting force per 1,500 kg fixed displacement pump

Standard equipment relief and vibration damping for front and rear

Own oil budget

Metrac H70 TECHNOLOGY

Common rail diesel engine from Perkins

Power 75 PS / 55 kW
Torque 270 Nm
Displacement 2,216 cm³
Exhaust gas stage 5 Diesel oxidation catalyst (DOC) Diesel particulate filter (DPF) Integrated exhaust gas aftertreatment

Hydrostatic drive

2 hydrostatic speed ranges
2 mechanical terrain reductions
Auto and manual drive mode
inching pedal
Short or long wheelbase

Special off-road chassis

All-wheel drive with planetary final drives
All-wheel steering system with 5 steering modes

Working hydraulics for front and rear

Lifting force per 1,500 kg fixed displacement pump

Standard equipment relief and vibration damping for front and rear

Own oil budget

Metrac H70 R Technology

Common rail diesel engine from Perkins

Power 75 PS / 55 kW
Torque 270 Nm
Displacement 2,216 cm³
Exhaust gas stage 5 Diesel oxidation catalyst (DOC) Diesel particulate filter (DPF) Integrated exhaust gas aftertreatment

+ 12 % higher speed
Fully loaded on a reference track (maximum speed 40 km/h)

+ 14 % more tractive force
static compared to Metrac H70

+ significantly quieter driving experience
Noise reduction due to optimisations in the drivetrain

= AGILE & LIVELY

Hydrostatic drive

2 hydrostatic speed ranges
2 mechanical terrain reductions
Auto and manual drive mode
inching pedal
Short or long wheelbase

NEW

Special off-road chassis

All-wheel drive with planetary final drives
All-wheel steering system with 5 steering modes

Working hydraulics for front and rear

Lifting force per 1,500 kg fixed displacement pump

Standard equipment relief and vibration damping for front and rear

Own oil budget

Maximum traction and optimum soil protection.

Wheels and tyres for Metrac

The wide low-pressure tyres with different special treads ensure maximum traction, low ground pressure and reliable turf protection. They give the Metrac optimum grip, even on difficult ground and steep slopes.

31x15.50-15 Terra

31x15.50-15 turf tread

31x15.50-15 AG tread diagonal and radial

METRAC
H60 . H70 .
H70 R

33x15.50-15 Terra

440/50 R17 All-Ground tyres

425/55 R17 AG tread

Choose your treads:

1 Narrow-tread low pressure tyres for maximum soil protection

2 Agricultural tread pattern for high towing power and high stability

3 Turf tread pattern for intensive lawn care

Auxiliary tyres

Uphill – with even better traction.

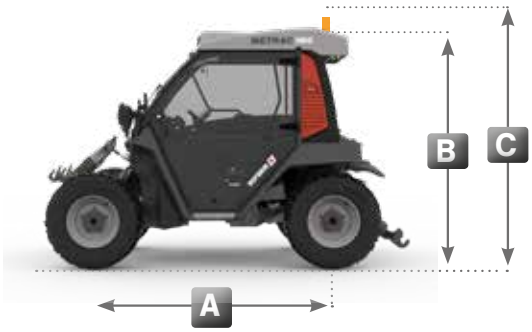
The **auxiliary tyres at the front and/or rear**, which can be fitted and removed again quickly using quick-release locks, provide even greater slope capability and soil protection. If you want to use the auxiliary tyres alternatively on the front axle or rear axle, you can install mounting parts on both axles to allow for a quick change between front and rear.

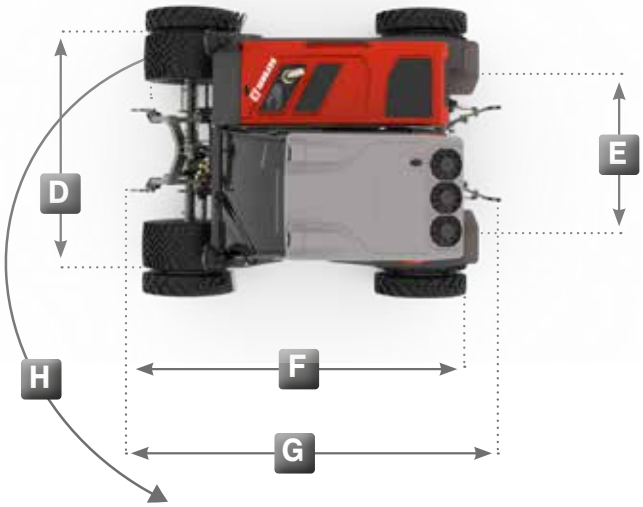
31x15.50-15 with 6.50-16 AS

33x15.50-15 with 7.50-16 AS

425/55 R17 with 7.50-18 AG

Dimensions (mm)





With 31 tyres (standard)

		H60	H70	H70 R
A	Wheelbase	1950 short 2150 long	1950 short 2150 long	2150
B	Height above roof	2060	2060	2060
B1*	Height above roof*	2160	2160	2160
C	Height with rotating beacon	2230	2230	2230
C1*	Height with rotating beacon*	2330	2330	2330
D	Width	2000	2000	2000
D1*	Width*	2160	2160	2160
E	Width front and rear	1630	1630	1630
F	Length without rear linkage	3065 short 3265 long	3065 short 3265 long	3265
G	Length with rear linkage	3520 short 3720 long	3520 short 3720 long	3720
H	Turning radius	3500 short 3650 long	3500 short 3650 long	3650

*Only for long wheelbase with tyres
425/55 R17 AS tread pattern or 440/50 R17 All-Ground

External wheel widths (mm)

Tyres	H60	H70	H70 R
31x15.50-15 Terra tyres	2000	2000	2000
33x15.50-15 Terra tyres	2000	2000	2000
31x15.50-15 Turf tyres	2000	2000	2000
31x15.50-15 AS with 6.50-16 radial & diagonal	2390	2390	2390
33x15.50-R15 AS with 7.50-16	2420	2420	2420
only with long wheelbase: 425/55 R17 AS tread pattern with 7.50-18	2630	2630	2630
only with long wheelbase: 440/50 R17 All Ground mit 7.50-18	2630	2630	2630

Technical data	H60	H70	H70 R
Engine			
Type	Perkins 404J-E22T without charge air cooling	Perkins 404J-E22TA with charge air cooling	Perkins 404J-E22TA with charge air cooling
Power (hp)	61	75	75
Power (kW)	45	55	55
Displacement/cylinder	2216	2216	2216
Cylinders	4	4	4
Torque	222	270	270
at engine speed	1600	1600	1600
Nominal speed (rpm)	2600	2600	2600
Emission level	5	5	5
Exhaust gas recirculation	✓	✓	✓
Diesel particulate filter	✓	✓	✓
Fuel tank (L)	63	63	63
Electrical system	12 V/105 Ah	12 V/105 Ah	12 V/105 Ah
Alternator Ah	85	85	85
Drive/chassis			
Inching pedal	✓	✓	✓
Mechanically controlled hydrostatic travel drive	✓	✓	✓
2 mechanical reductions, 2 hydrostatic stages	✓	✓	✓
Speed in kph (with all tyres)	40	40	40
Driving/steering axle with final drives front and rear	✓	✓	✓
Shiftable 4 wheel drive	✓	✓	✓
Differential lock electro-hydraulically activated front and rear	✓	✓	✓
Wheelbase (mm)	Short: 1950 Long: 2150	Short: 1950 Long: 2150	Long: 2150
Front steering	✓	✓	✓
Rear steering	✓	✓	✓
Crab steering	✓	✓	✓
4 wheel steering	✓	✓	✓
Offset 4 wheel steering	✓	✓	✓
Service brake: hydraulic dual circuit 4 wheel power brake	✓	✓	✓
Handbrake on rear axle	✓	✓	✓
Hydrostatic drive with increased driving performance	–	–	✓
Tyre variants			
31x15.50-15 Terra	✓	✓	✓
33x15.50-15 Terra	o	o	o
31x15.50-15 Turf profile	o	o	o
31x15.50-15 AS	o	o	o
31x15.50-R15 AS radial tyres	o	o	o
425/55 R17 AS	o	o	o
440/50 R17 All-Ground	o	o	o

Standard	✓	Optional	o	Not available	–

Illustrations partly show optional equipment.
Subject to technical changes and printing errors.

Technical data	H60	H70	H70 R
Cab			
Open cabin	✓	✓	✓
Closed cabin (incl. heating)	o	o	o
Closed cabin (incl. heating) with opening rear window	o	o	o
Door with integrated sliding window	o	o	o
Heater	o	o	o
Manual air conditioning	o	o	o
Single DIN radio	o	o	o
Comfort seat, leatherette cover, with pelvic support	✓	✓	✓
Comfort seat, cloth cover, with pelvic support	o	o	o
Comfort seat, air-cushioned, with pelvic support	o	o	o
Mechanical swivel seat, with pelvic support	o	o	o
Electric swivel seat, with pelvic support	o	o	o
Front working light, top-mounted	o	o	o
Front working light, integrated	o	o	o
Front LED working light, top-mounted	o	o	o
Front LED working light, integrated	o	o	o
Rear working light	o	o	o
Rear LED working light	o	o	o
Rotating LED warning light	o	o	o
Working hydraulics/linkages			
Angle swing lift with electro-hydraulic weight compensation, vibration damping, lateral displacement, and external operation (quick-release system using hook end, cat. 1)	✓	✓	✓
Lifting force front linkage (kg)	1500	1500	1500
Rear linkage with electro-hydraulic weight compensation, vibration damping and external operation (retaining balls, cat. 1 and 2)	o	o	o
Rear linkage quick release system (lower link with hook end, cat. 2)	o	o	o
Lifting force rear linkage (kg)	1500	1500	1500
Hydraulics delivery rate with constant pump (L/min)	28,6	28,6	28,6
Working pressure (bar)	195	195	195
Control unit, basic equipment	1 d.a.f.	1 d.a.f.	1 d.a.f.
Additional optional control units	3 d.a.f.	3 d.a.f.	3 d.a.f.
Parallel lines, front/rear	o	o	o
Weights			
Dead weight from (kg)	2000	2000	2000
Axle load front (kg)	2100	2100	2100
Axle load rear (kg)	2600	2600	2600
Maximum permissible total weight	3800	3800	3800
PTO			
Front 540 rpm	✓	✓	✓
Rear 540 rpm	✓	✓	✓

REFORM. Teamwork Technology.

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