

Metrac H60, Metrac H70

REFORM **R**

Metrac. The original.



Metrac H60 and H70

Powerful. Safe. Comfortable.
Excellent slope capability.

REFORM. Teamwork Technology.

METRAC. A simple formula.



H60
H70

Compact versatility meets sophisticated technology and simple operation

The new Metrac H60 and H70 are compact all-rounders for use in mountain and municipal farming. Robust technology, simple operation and high efficiency make the H60 and H70 the ideal companions for year-round work.

METRAC

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 and H70 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. 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.



VERSATILE

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 and H70 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, both 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 and H70 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 country-specific approvals.

SAFE



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.

Logisch gruppierte Funktionsschalter

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.



USER-FRIENDLY

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 (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 H75, 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.



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



Maximum traction and optimum soil protection.

Wheels and tyres for Metrac H60 and H70.

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



31x15.50-15 Terra



31x15.50-15 Turf



33x15.50-15 Terra

METRAC H60/H70

Choose your profile:

- 1 Narrow-tread low pressure tyres for maximum soil protection
- 2 Agricultural tread profile for high towing power and high stability
- 3 Turf tread profile for intensive lawn care



Auxiliary tyres

Uphill – with even better traction.

Even greater slope capability and ground protection is offered by the **additional tyres at the front and/or rear, which** can be quickly fitted and removed thanks to the quick-release fastener. If you want to mount the additional tyres either at the front or at the rear, fastening parts can be attached to both axles, which allow a quick change between front and rear axle.



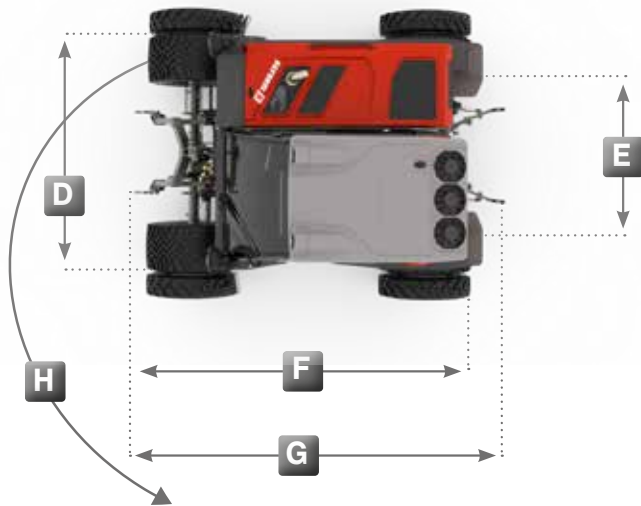
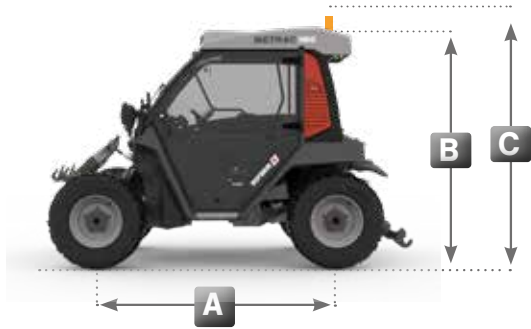
**31x15.50-15
mit 6.50-16 AG**



**33x15.50-15
mit 7.50-16 AG**

Dimensions (mm)

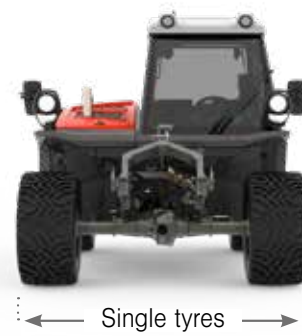
- A** Wheelbase
- B** Height above roof
- C** Height with rotating beacon
- D** Width
- E** Width front and rear
- F** Length without rear linkage
- G** Length with rear linkage
- H** Turning radius



With 31 tyres (standard)

	H60 Short wheelbase	H60 Long wheelbase	H70 Short wheelbase	H70 Long wheelbase
A	1950	2150	1950	2150
B	2060	2060	2060	2060
C	2230	2230	2230	2230
D	2000	2000	2000	2000
E	1630	1630	1630	1630
F	3065	3265	3065	3265
G	3520	3720	3520	3720
H	3500	3650	3500	3650

External wheel widths (mm)



Tyres	H60 Short wheelbase	H60 Long wheelbase	H70 Short wheelbase	H70 Long wheelbase
31x15.50-15 Terra tyres	2000	2000	2000	2000
31x15.50-15 Turf tyres	2000	2000	2000	2000
31x15.50-15 mit 6.50-16	2390	2390	2390	2390
33x15.50-15 Terra tyres	2000	2000	2000	2000
33x15.50-15 mit 7.50-16	2420	2420	2420	2420

Technical data	H60	H70
Engine		
Type	Perkins 404J-E22T without charge air cooling	Perkins 404J-E22TA with charge air cooling
Power (hp)	61	75
Power (kW)	45	55
Displacement/cylinder	2216	2216
Cylinders	4	4
Torque	222	270
at engine speed	1600	1600
Nominal speed (rpm)	2600	2600
Emission level	5	5
Exhaust gas recirculation	✓	✓
Diesel particulate filter	✓	✓
Fuel tank (L)	63	63
Electrical system	12 V/105 Ah	12 V/105 Ah
Alternator Ah	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
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
Front steering	✓	✓
Rear steering	✓	✓
Crab steering	✓	✓
4 wheel steering	✓	✓
Offset 4 wheel steering	✓	✓
Service brake: hydraulic dual circuit 4 wheel power brake	✓	✓
Handbrake	✓	✓
Tyre variants		
31x15.50-15 Terra	✓	✓
31x15.50-15 AG	o	o
31x15.50-15 Turf	o	o
33x15.50-15 Terra	o	o

Standard	✓	Optional	o	Not available	-
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Illustrations partly show optional equipment.
Subject to technical changes and printing errors.

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

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