

Metrac H75, H75 pro

REFORM **R**

The new Metrac H75



Versatile. Safe.
Comfortable. Efficient.

REFORM. Teamwork Technology.

Metrac. Proven slope capability since 1965.

The all-rounder for year-round use



The REFORM Metrac is the versatile tool carrier tractor for hill use and has been used with great success in hill farming and municipal work in any weather for more than 5 decades. Outstanding hill capability, unique working comfort, and a high level of multi-functionality make the Metrac a reliable partner for many different applications.



METRAC

Focus on the customer

Improving a tried and tested product even further is always a special challenge. Why did it work so well for the new Metrac H75? The design engineering centred fully on customer requirements. This resulted in a vehicle with an uncompromising focus on the following properties:

- Versatile
- Safe
- Comfortable
- User-friendly
- Economical
- Environmentally friendly



The new Metrac H75

A simple formula >



VERSATILE

- + Three full attachment areas
- + 3-point linkages at front and rear
- + 1,500 kg lifting force (per linkage)

= **Universal machine for all seasons**



SAFE

- + Optimised all-terrain chassis with floating axle
- + 4 wheel drive and 4 wheel steering system
- + Electronic differential locks 100%

= **Highest level of safety on any terrain**



COMFORTABLE

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

= **A comfortable workplace**



USER-FRIENDLY

- + Ergonomic unit of seat and armrest
- + Operation with joystick and "R-Com" controller
- + Central information display

= **Easy, fatigue-free operation**



ECONOMICAL

- + Simplified access for easier maintenance
- + Efficient Perkins diesel engine
- + Self-cleaning cooling system

= **Increased efficiency, high availability**



ENVIRONMENTALLY FRIENDLY

- + Hydrostatic drive with Eco Mode
- + Load-based working hydraulics
- + Maximum protection of soil and turf

= **Maximum protection for environment and soil**



METRAC

Versatility is the key

Powerful 3-point linkages at front and rear allow easy mounting of different attachments. This turns the new Metrac H75 into an allrounder for use throughout the year.

VERSATILE

METRAC



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.

Powerful 3-point linkages

The angle swing lift with front PTO (attachment category 1) generates an impressive lifting force of 1,500 kg. The rear linkage (attachment categories 1 and 2) with rear PTO also has a lifting force of 1,500 kg and can be equipped with a quick release coupling system. The 3 standardised attachment points of the linkages allow easy mounting and removal of attachments.

Power shift PTO

The high efficiency of the electro-hydraulic power shift PTO provides power precisely when it is needed. The automatic soft start ensures smooth starting of attachments.

Discover the possibilities!
The following examples illustrate the number of different attachments which can be mounted on the new Metrac H75.

Front:

- Rotary disc mowers
- Twin blade mowers
- Rotary mowers
- Flail mowers
- Side delivery belt rakes
- Front collecting forks
- Snow ploughs
- Snow blowers
- Road brushes



Rear:

- Rotary tedders
- Rotary swathers
- Dump buckets
- Fertiliser spreaders
- Balers
- Drag hose manure applications
- Extension arm boom flail mowers
- Rear spreaders
- Grassland harrows
- Trailers



Safety on any terrain

For versatile hill tool carriers like the Metrac, extreme hill capability, optimum soil protection, and maximum safety are crucial for man and machine.

SAFE

METRAC



The intelligent 4 wheel steering system of the new Metrac allows 5 steering modes: front, rear, 4 wheel and crab steering as well as offset 4 wheel steering.



Optimised
all-terrain chassis

Mounting the engine and the cab at centre of gravity level further improved the hill capability of the Metrac series. In addition to this, the front axle oscillation (up to 15°) ensures maximum ground contact at all times.

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 new Metrac H75 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.

Hydrostatic drive

The hydrostatic drive with two speed ranges and two terrain gear reductions enables continuous adaptation of the driving speed in foot or hand driving mode. The system is completed by the electro-hydraulic spring brake with an auto hold function which allows smooth and judder-free setting off on hills.

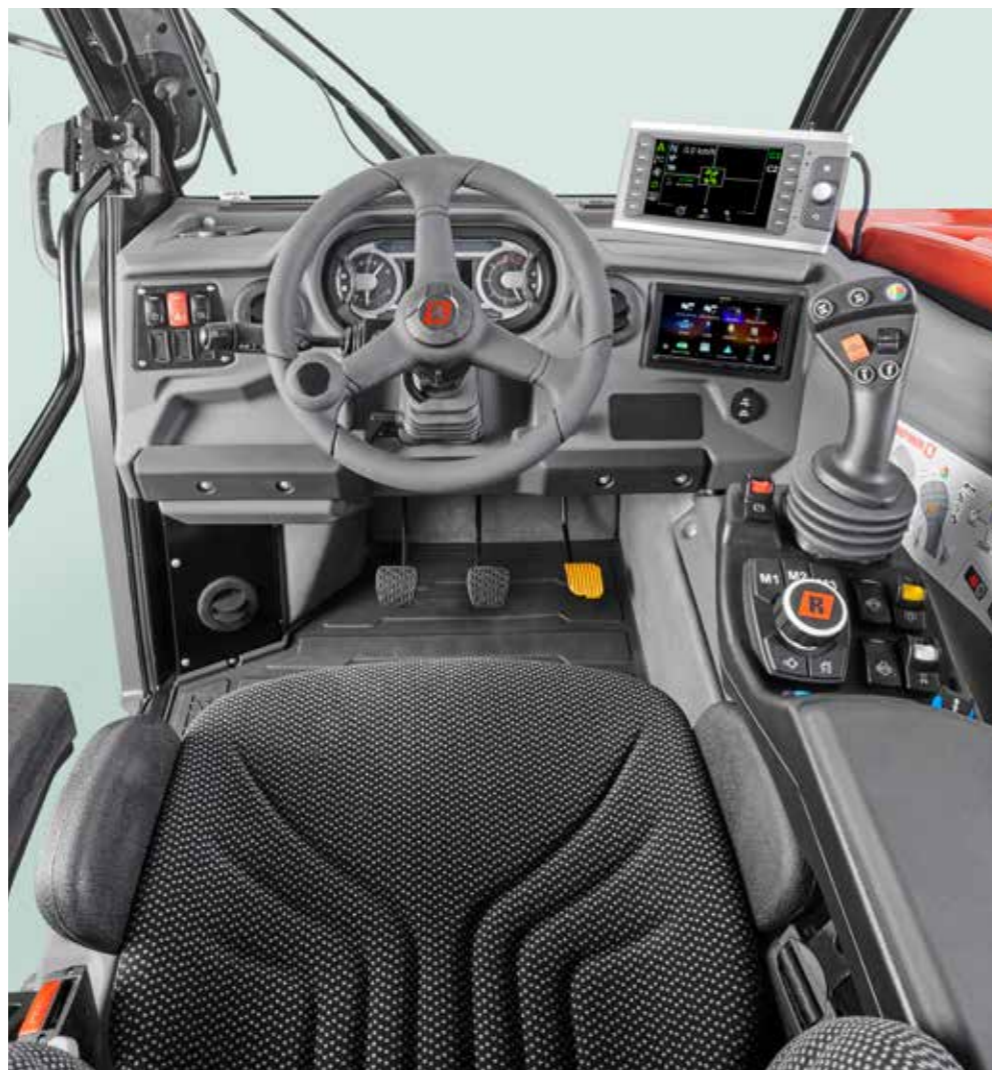


A comfortable workplace

Imagine a cab that is quiet with very low vibrations, has an optimum interior temperature and offers a versatile digital radio with touchscreen. Welcome to the cockpit of the new Metrac H75.



The new Metrac H75 has taken a substantial step into the future when it comes to comfort, as well. Its comfortable cockpit allows fatigue-free working over many hours and in any weather.



COMFORTABLE

METRAC

Comfortable cab

The newly designed cab has been mechanically completely decoupled from other vehicle components. This results in a strongly reduced noise level and significantly lowered vibrations.

Powerful heating and air conditioning

The comfortable heating and air conditioning of the Metrac H75 features automatic temperature control through the display. The fresh air intake is on the left side of the vehicle, which prevents dust from entering into the cockpit.

Automatic linkage system

On the new Metrac H75, automated processes can be defined for lifting and lowering the linkages. This makes life easier for the driver and increases the comfort level.

Wider entry and improved all-round view

Use of a glass door not only widened the entry, but also greatly improved the all-round view. A hinged rear window and a rear window wiper are also available.

High quality digital radio

A high quality digital radio with touchscreen delivers optimum sound and offers all common digital interfaces, such as Bluetooth, WiFi, USB and HDMI. Use with "Android Auto" and "Apple Carplay" and use as a monitor for optionally available vehicle cameras also work perfectly.



Logical and intuitive operation

The central control unit of the new Metrac H75 features an ergonomic armrest, which is permanently attached to the driver's seat. All essential vehicle functions can be controlled comfortably from here.

USER-FRIENDLY

METRAC



Ergonomic armrest

The ergonomic armrest with its central controls forms the basis for the easy operation of the new Metrac H75. It is attached to the driver's seat, allowing fatigue-free working on any terrain, without interference from vibrations or slopes.

Multi-function joystick

The multi-function joystick combines all functions for driving and for controlling the attachments. The focus here was on logical and intuitive operation.

Central controller (R-Com)

The central "R-Com" controller was also integrated into the ergonomic armrest. The navigation menus of the central and auxiliary displays are operated from here.

Clearly structured information displays

The central information display (4.3" TFT LCD) is installed in the middle and includes 3 analogue displays and 32 indicator lights. An auxiliary display can be programmed individually and shows hydraulic functions, vehicle statuses, climate settings, and warnings.

A strong focus was placed on easy and logical operation of the new Metrac H75. This allows the driver to quickly become familiar with the vehicle functions and get started on their work immediately.



Easier maintenance, economical engine

In terms of economic efficiency, the new Metrac H75 scores with good accessibility and therefore easier maintenance. The modern engine offers an optimum balance between performance and consumption.



Good access to the most important vehicle components makes maintenance work on the new Metrac H75 easier, reducing downtime.



ECONOMICAL

METRAC

Better access, easier maintenance

Maintenance on important vehicle components has been made easier: cooling system, engine, electronics, and fresh air intake of the Metrac H75 are easy to access without complications, while it is now also easier to remove the cab.

Digital networking with telemetry

The digital linking of driver, vehicle, and customer service allows optimum use of telemetry data. This includes troubleshooting via remote diagnostics or the evaluation of vehicle data such as operating hours, consumption, journey data, or fluid levels.

Efficient Perkins diesel engine

The new Metrac H75 is powered by a common rail diesel engine from Perkins, which perfectly combines power and torque with sensible consumption levels. Classified as emissions level 5, it is equipped with a diesel oxidation catalyst (DOC) and a diesel particulate filter (PDF).

Self-cleaning cooling system

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 H75 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 all-terrain chassis and the 4 wheel steering system of the new Metrac H75 ensure maximum soil protection on any terrain.



ENVIRONMENTALLY FRIENDLY

METRAC

Electronically controlled hydrostatic drive

The electronically controlled hydrostatic drive of the new Metrac H75 ensures optimum efficiency and creates the right balance between power and consumption. If less power is required, the driver can switch to the fuel saving "Eco Mode".

Economic working hydraulics

The working hydraulics for the attachments are equipped with a separate oil circuit and control the flow of oil independent of the load case to reduce fuel consumption – just as the directly driven PTO with power limit control.

Maximum soil protection

In conjunction with the proven 4 wheel drive and the intelligent 4 wheel steering system, the optimised all-terrain chassis provides maximum traction and soil protection. This allows the tractor to be gentle on the turf even in difficult terrain.

Top-mounted exhaust

The top-mounted exhaust ensures reduced swirling of dust and dirt particles during everyday work.



The best technology for your daily work.

The technical highlights at a glance



Hydrostatic drive
with electronic
control

2 speed ranges
2 terrain gear reductions
Foot and hand driving modes



Common rail diesel
engine from Perkins

75 hp/55.2 kW power
300 Nm torque
2,800 cm³ displacement



Newly designed
all-terrain chassis

4 wheel drive
4 wheel steering system
5 steering modes



Powerful working
hydraulics for front
and rear

Constant pump
(variable pump optional)
Standard weight compensation
1,500 kg lifting force



Maximum traction and optimum soil protection.

Wheels and tyres for the Metrac H75.

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



31x15.50-15 Terra



31x15.50-15 Turf



33x15.50-15 Terra



440/50 R17 All-Ground



425/55 R17 AG Tread

METRAC H75

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 better hill capability and soil protection with the **front and/or rear auxiliary tyres**. Fast installation and removal with quick release lock. If you want to switch the auxiliary tyres between the front and rear axles, you can install mounting parts on both axles for quick exchange between front and rear.

No limitations for
steering angle and
front axle oscillation!



31x15.50-15
with 6.50-16 AG



33x15.50-15
with 7.50-16 AG



425/55 R17
with 7.50-18 AG

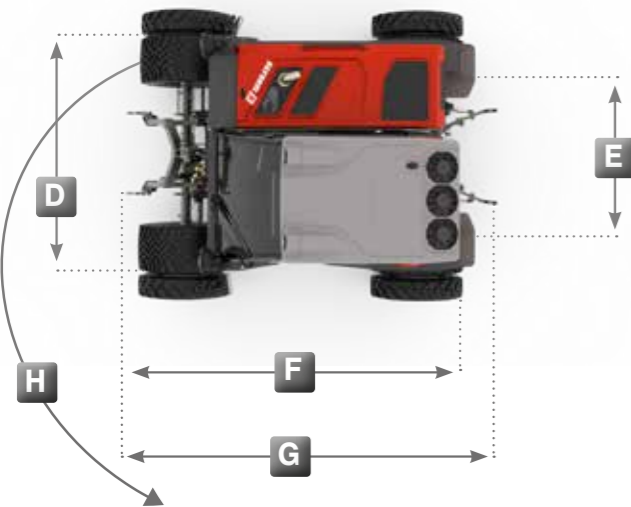
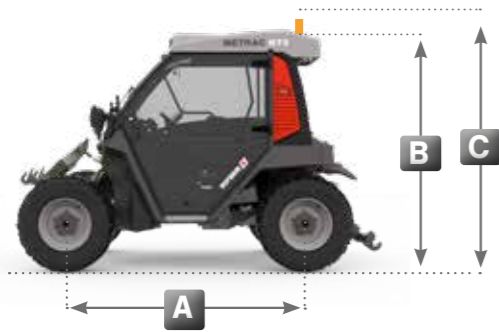
Technical data	Metrac H75	Metrac H75 pro
Engine		
Type	Perkins 904J-E28T	Perkins 904J-E28T
Power (hp)	75	75
Power (kW)	55.2	55.2
Displacement/cylinder	2,799	2,799
Cylinders	4	4
Torque	300	300
at engine speed	1,600	1,600
Nominal speed (rpm)	2,200	2,200
Emission level	5	5
Exhaust gas recirculation	✓	✓
Diesel particulate filter	✓	✓
Fuel tank (L)	90	90
Electrical system	12 V/105 Ah	12 V/105 Ah
Alternator Ah	120	120
Drive/chassis		
Inching pedal	✓	✓
Electronically controlled hydrostatic drive	✓	✓
2 mechanical gear reductions	✓	✓
Speed in kph (with all tyres)	40	40
Cruise control and speed limiter	✓	✓
Driving/steering axle with final drives front and rear	✓	✓
Shiftable 4 wheel drive	✓	✓
Differential lock electro-hydraulically activated front and rear	✓	✓
Wheelbase (mm)	2,150	2,150
Front steering	✓	✓
Rear steering	✓	✓
Crab steering	✓	✓
4 wheel steering	✓	✓
Offset 4 wheel steering	✓	✓
Service brake: hydraulic dual circuit 4 wheel power brake	✓	✓
Electro-hydraulic spring brake with Auto Hold function	✓	✓
Tyre variants		
31x15.50-15 Terra	✓	o
33x15.50-15 Terra	o	✓
31x15.50-15 Turf	o	o
440/50 R17 All-Ground	o	o
425/55 R17 AG Tread	o	o
Cab		
Closed cab, doors with sliding window	o	✓
Hinged rear window	o	✓
Heater	✓	-
Manual air conditioning	o	-
Automatic air conditioning	-	✓

Technical data	Metrac H75	Metrac H75 pro
Single DIN radio	o	o
Single DIN radio + CD & SD	o	o
Double DIN radio, Android Auto, and Apple Carplay, with USB cable	o	o
Double DIN radio, Android Auto, and Apple Carplay, wireless	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	-
Front working light, integrated	o	o
Front LED working light, top-mounted	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)	1,500	1,500
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)	1,500	1,500
Hydraulics delivery rate with constant pump (L/min)	29.2	29.2
Hydraulics delivery rate with variable pump (L/min)	52.0	52.0
Working pressure (bar)	195	195
Control unit, basic equipment	1 d.a.f.	2 d.a.f.
Additional optional control units	2 d.a.f./ variable pump	1 d.a.f./ variable pump
Parallel lines, front/rear	o	o
Weights		
Dead weight from (kg)	2,500	2,650
Axle load front (kg)	2,300	2,300
Axle load rear (kg)	2,600	2,600
incl. gross weight (kg)	4,200	4,200
PTOs		
Front 540 rpm	✓	✓
Front 1,000 rpm	o	o
Front 540 and 1,000 rpm	o	o
Rear 540 rpm	✓	✓
Rear 1,000 rpm	o	o
Rear 540 and 1,000 rpm	o	o

Standard	✓	Optional	o	Not available	-
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Dimensions

- A** Wheelbase
- B** Height incl. roof
- C** Height with rotating warning light
- D** Width
- E** Track front and rear
- F** Length without rear linkage
- G** Length with rear linkage
- H** Turning radius



Dimensions in mm (with size 31 tyres)

	Metrac H75	Metrac H75 pro
A	2,150	2,150
B	2,150	2,150
C	2,230	2,230
D	2,020	2,020
E	1,630	1,630
F	3,195	3,195
G	3,695	3,695
H	3,650	3,650

Outer wheel widths



Outer wheel widths (mm)	Metrac H75	Metrac H75 pro
31X15.50-15 Terra tyres	2,020	2,020
31X15.50-15 Turf tyres	2,020	2,020
31x15.50-15 with 6.50-16	2,410	2,410
33x15.50-15 Terra tyres	2,020	2,020
33x15.50-15 with 7.50-16	2,440	2,440
425/55 R17 AG tyres	2,160	2,160
425/55 R17 with 7.50-18	2,630	2,630
440/50 R17 All-Ground	2,160	2,160
440/50 R17 with 7.50-18	2,630	2,630

REFORM products at a glance

Metrac

The REFORM Metrac is a tool carrier developed for steep and rough terrain, for use in agriculture and municipal work. It features a high level of multi-functionality, extreme hill capability, and the highest level of efficiency.



Muli

The REFORM Muli is a universal transporter which is used in hill farming as well as in municipal work. With its outstanding versatility, the Muli is ready to go on any terrain and offers a unique level of working comfort.



Mounity

The REFORM Mounity is a tool carrier that has been designed with a focus on special tasks. Its versatility and extreme hill capability make it the perfect companion for a variety of different tasks – in hill farming as well as in municipal work.



Boki

The REFORM Boki is a multi-functional municipal vehicle for a number of different applications. With its broad product range, the Boki can meet a variety of different requirements – it features compact dimensions, great agility, ideal payload, and super strong engines.



Motech

The REFORM Motech models are single-axle vehicles developed especially for steep and rough terrain. Thanks to their compact dimensions and multi-functional application options, the Motech units are important for hill farming and for municipal work.



Boki excavators

Boki cemetery excavators are specially designed for use in cemeteries. The units are divided into hand-guided excavators for use in particularly narrow areas and mobile excavators which are also self-propelled.



Metron

The Metron is a multi-functional, remote controlled tool carrier with a true hybrid drive. It is equipped with a front linkage with PTO and an optional rear linkage. An additional attachment plate is provided on top of the vehicle.



REFORM. Teamwork Technology.

REFORM Metrac 2000, model year 1965



PRO3210/1220

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