

Metrac H75/H75 pro, Metrac H95/H95 pro



Metrac. The powerful one.



## Metrac H75 and H95

Powerful. Safe. Comfortable.

Excellent slope capability.

REFORM. Teamwork Technology.



**Metrac. Proven slope capability since 1965.**

The all-rounder for year-round use



The REFORM Metrac is the versatile hill tool carrier and has been used successfully in hill farming and municipal work, in all weathers. Excellent slope capability, unrivalled working comfort and a high level of multi-functionality make the Metrac a reliable partner for many different applications.



# Focus on the customer

Improving a tried and tested product even further is always a special challenge. Why did this work out so well with the Metrac H75 and H95 models? The design engineering put customer requirements at the heart of the process. This resulted in vehicles with an uncompromising focus on the following characteristics:

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



# METRAC

**The original  
since 1965.**



The  
**pro**  
advantage



# METRAC pro

Your advantages with the pro model

Standard model	pro model
Manual air conditioning optional	Automatic climate control as standard
Without R-Guide	Standard R-Guide display: Automatic linkage control Time controlled hydraulic circuits Quantity adjustment of hydraulic circuits Profile memory 2 cruise control memory locations
31" Terra tyres as standard	33" Terra tyres as standard
1 double acting hydraulic control unit as standard	2 double acting hydraulic control units as standard
Sliding window in side door optional	Sliding window in side door as standard



## VERSATILE

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

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= **Universal machine for all seasons**



## SAFE

- + Optimised all-terrain suspension with floating axle
- + Standard 4 wheel drive
- + 4 wheel steering system with 5 steering modes
- + Electronic differential locks 100%

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= **Maximum safety on any terrain**



## COMFORTABLE

- + Decoupled cab
- + Optimum noise damping
- + High quality heating and air conditioning
- + Wider entry, improved all-round view

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= **A comfortable workplace**



## USER-FRIENDLY

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

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= **Easy, fatigue-free operation**



## ECONOMICAL

- + Easier access, easier maintenance
- + Efficient Perkins diesel engine
- + Self-cleaning cooling system
- + Minimum downtime

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= **Increased efficiency, high availability**



## ECO-FRIENDLY

- + Hydrostatic drive with Eco Mode
- + Load-based working hydraulics
- + Maximum protection of soil and turf
- + Top-mounted exhaust for less swirling

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= **Maximum protection for environment and soil**



# Versatility is the key

Powerful linkages at front and rear allow easy mounting of different attachments, making the Metrac models true all-rounders for use throughout the year.



Discover the possibilities!  
The following examples  
illustrate the variety of  
attachments that can be  
mounted on the new Metrac.

## **Front:**

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



## **Rear:**

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





# VERSATILE

## 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 exactly when it is needed. The automatic soft start ensures smooth starting of attachments.



# Safety on any terrain

When it comes to versatile hill tool carriers like the Metrac, extreme slope capability, optimum soil protection and maximum safety are crucial for man and machine.



The intelligent 4 wheel steering system of the Metrac offers 5 steering types: Front, rear, 4 wheel and crab steering as well as offset 4 wheel steering.





# SAFE

## Optimised all-terrain suspension

The engine and cab are mounted at a low centre of gravity for optimised slope capability.

The floating front axle (up to 15°) ensures maximum ground contact at all times. In addition, both models are also available with a long wheelbase for even more safety on extreme slopes.

## Proven 4 wheel drive

Standard planetary final gear drives on the axles ensure optimal power transfer and high axle loads. With 4 wheel steering activated, the front and rear wheels run exactly in the same track, ensuring absolutely tension-free traction of all 4 wheels. The electro-hydraulically operated front and rear differential locks ensure optimum traction on difficult terrain.

## Intelligent 4 wheel steering system

The standard 4 wheel steering system of the Metrac offers 5 steering types for optimum adaptation to ground and terrain.

Easily switch between front, rear, 4 wheel and crab steering and offset 4 wheel steering at the press of a button.

## Hydrostatic drive

The hydrostatic drive with 2 speed ranges and 2 mechanical gear reductions allows continuous adjustment 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 that 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 high quality digital radio with touchscreen. Welcome to the cockpit of the Metrac.



Thee Metrac H75 and H95 impress with high operating and driving comfort. The comfortable cockpit enables fatigue-free working over many hours and in all weathers.



# COMFORTABLE

## Comfortable cab

The cab has been mechanically completely decoupled from other vehicle components. This results in a much lower noise level and significantly reduced vibrations, making it the quietest cab in this vehicle category of two axle mowers.

## Powerful heating and air conditioning system

The comfortable heating and air conditioning of the Metrac features automatic temperature control via the display. The fresh air intake is on the left side of the vehicle, which prevents dust from entering into the cockpit. In addition, an automatic reversible fan in the air conditioning system ensures that the cooling capacity can be sustained throughout the working day even with high dust exposure levels.

## Automatic linkage control

Automated processes for lifting and lowering the linkages can be defined in the Metrac to make the work easier and more comfortable for the driver.

## 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 with touchscreen

A high quality digital radio with touchscreen offers optimum sound and all common digital interfaces, such as Bluetooth, WiFi, USB and HDMI. It also works perfectly with "Android Auto" and "Apple CarPlay" and can be used as a monitor for optionally available vehicle cameras.

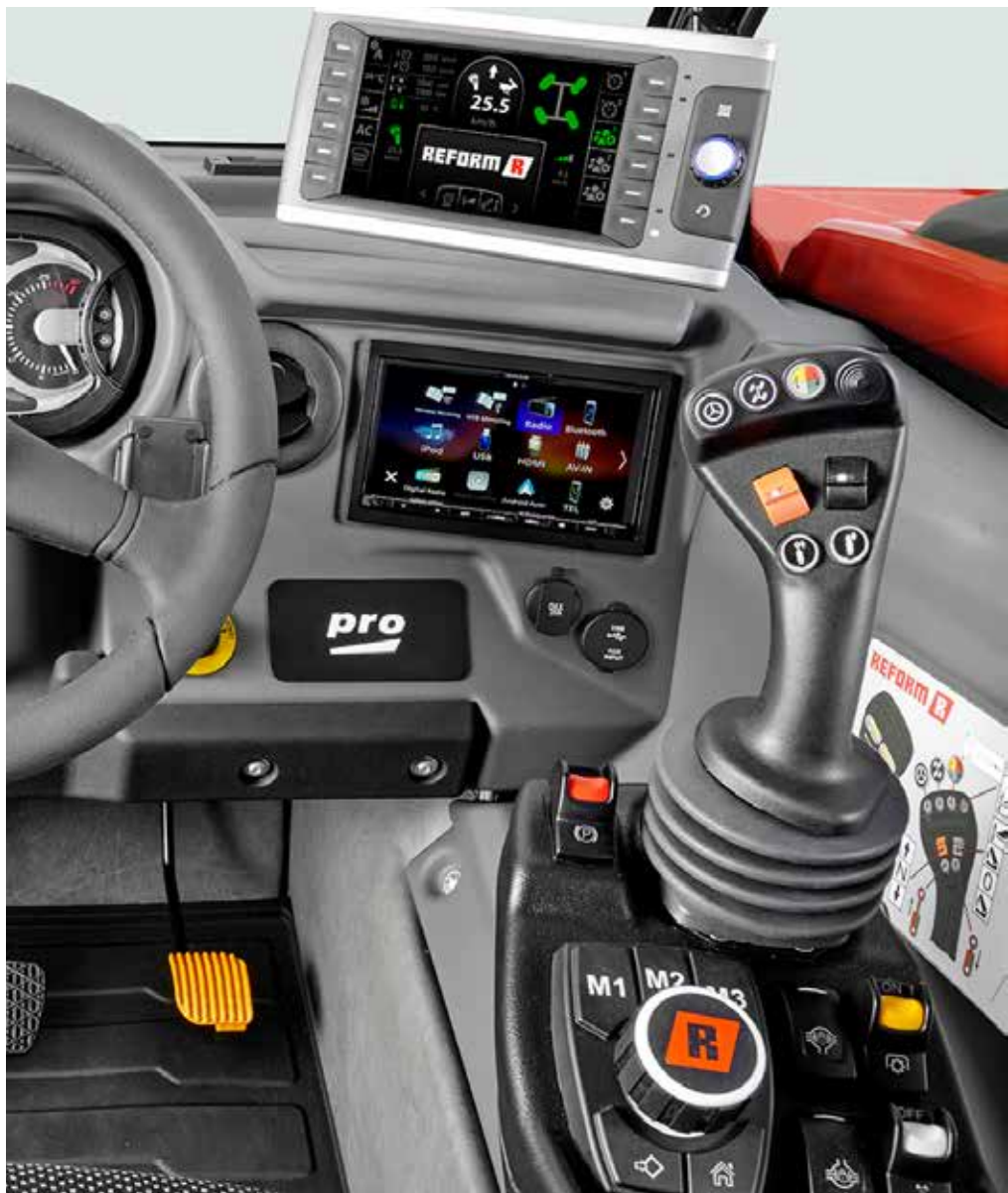


# Logical, intuitive operation

The central control unit impresses with an ergonomic armrest that is permanently attached to the driver's seat. All essential vehicle functions can be controlled comfortably from there.



Easy and logical operation was a key factor for the Metrac H75 and H95. This means that the driver can quickly become familiarised with the vehicle functions and can start working straight away.





# USER-FRIENDLY

## Ergonomic armrest

The simple operation of the Metrac is based on the ergonomic armrest with its central control elements. 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. Logical and intuitive operation are the top priorities here.

## Central controller (R-Com)

The central "R-Com" controller was also integrated into the ergonomic armrest. It is used to control the navigation menus of the central and additional displays.

## Clearly structured information displays

The central information display (4.3" TFT LCD) is installed centrally 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.

## External buttons front and rear

Two external buttons for the linkage and the hydraulics control circuit make it easier to mount attachments.



# Easy maintenance, economical engine

When it comes to economy, the Metrac impress with easy access and simplified maintenance. The modern engine provides the optimum balance between performance and consumption.



Good access to the key vehicle components makes maintenance work on the Metrac easier, reducing downtime.



# ECONOMICAL

Easy access, easier maintenance

Maintenance of important vehicle components of the Metrac was made significantly easier: cooling system, engine, electronics and fresh air intake can be accessed quickly and easily. Removing the cab was also simplified.

Efficient Perkins diesel engine

The new Metrac is powered by a common rail diesel engine from Perkins, which perfectly combines power and torque with sensible consumption levels. The H75 has 75 hp, while the H95 offers 95 hp. Classified as emissions level 5, Perkins engines are equipped with a diesel oxidation catalyst (DOC) and a diesel particulate filter (PDF).

Separate oil systems

Separating the oil systems for the drive hydraulics and working hydraulics protects the components of the drive hydraulics against dirt and extends the maintenance interval of the drive hydraulics.

Self cleaning cooling system

The cooling concept for the Metrac integrates all radiators 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. The system additionally features direction reversal of the fan as standard, which makes it self cleaning.





# Good for environment and soil

The hydrostatic drive of the Metrac offers a high level of efficiency and delivers power precisely when it is needed. The working hydraulics react to the current load case, helping to lower fuel consumption.



The all-terrain suspension and the 4 wheel steering system of the Metrac guarantee maximum soil protection on any terrain.





# ENVIRONMENTALLY FRIENDLY

## Hydrostatic drive

The electronically controlled hydrostatic drive provides the 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”.

## Modern exhaust gas cleaning

The exhaust gas cleaning system (including SCR, DPF and DOC) meets the latest standards and is installed by the engine manufacturer at the factory. This ensures best possible adaptation to the engine and optimum efficiency.

## Economic working hydraulics

The working hydraulics for the attachments have a separate oil circuit and controls the oil flow depending on 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 suspension provides maximum traction as well as soil and turf protection.

## Top-mounted exhaust

The top-mounted exhaust swirls up less dust, dirt or snow.



# Metrac H75/H95 und H75/H95 pro TECHNOLOGY



Common rail  
diesel engine  
from Perkins

## H75

75 hp/55.2 kW power  
300 Nm torque  
2,800 cm<sup>3</sup> displacement

## H95

95 hp/70 kW power  
410 Nm torque  
3,600 cm<sup>3</sup> displacement



Hydrostatic drive  
with electronic  
control

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



All-terrain chassis

4 wheel drive  
4 wheel steering system  
5 steering modes  
Short or long wheelbase



Working hydraulics  
for front and rear

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





# Accessories for your Metrac



Warning sign for auxiliary tyres



Branch deflector



Base protection frame



Reversing camera



Side camera



Tool box



Double DIN radio



Trailer hitch



Seat with electronic swivel unit



Mobile phone holder with inductive charging function

**Maximum traction and optimum soil protection.**

## Wheels and tyres for Metrac H75 and H95

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**

**METRAC  
H75/H95**



**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.

No restriction for steering angle and front axle oscillation!



**31x15.50-15  
with 6.50-16 AS**



**33x15.50-15  
with 7.50-16 AS**

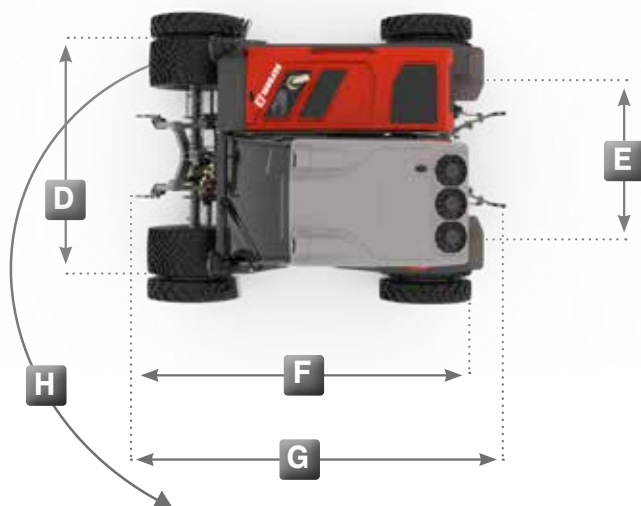
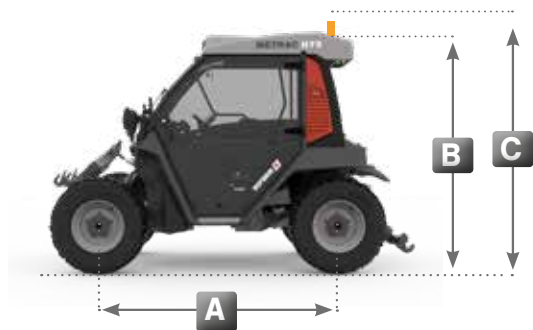


**425/55 R17  
with 7.50-18 AG**



## Dimensions (mm)

- 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



	H75	H75 pro	H95	H95 pro
<b>A</b>	2,150 short 2,350 long	2,150 short 2,350 long	2,150 short 2,350 long	2,150 short 2,350 long
<b>B</b>	2,120	2,160	2,120	2,160
<b>B1*</b>	2,160	2,160	2,160	2,160
<b>C</b>	2,265	2,305	2,265	2,305
<b>D</b>	2,020	2,020	2,020	2,020
<b>E</b>	1,630	1,630	1,630	1,630
<b>F</b>	3,295 short 3,495 long	3,335 short 3,535 long	3,295 short 3,495 long	3,335 short 3,535 long
<b>G</b>	3,740 short 3,940 long	3,740 short 3,940 long	3,740 short 3,940 long	3,740 short 3,940 long
<b>H</b>	3,930 short 3,975 long	3,930 short 3,975 long	3,930 short 3,975 long	3,930 short 3,975 long

\* For 425/55 R17 AG tyres, 425/55 R17 with 7.50-18, 440/50 R17 All-Ground, 440/50 R17 with 7.50-18

## Outer wheel widths (mm)



Tyres	H75	H75 pro	H95	H95 pro
31X15.50-15 Terra tyres	2,020	2,020	2,020	2,020
31X15.50-15 Turf tyres	2,020	2,020	2,020	2,020
31x15.50-15 AG tread	2,020	2,020	2,020	2,020
31x15.50-15 with 6.50-16	2,410	2,410	2,410	2,410
33x15.50-15 Terra tyres	2,020	2,020	2,020	2,020
33x15.50-15 with 7.50-16	2,440	2,440	2,440	2,440
425/55 R17 AG tyres*	2,160	2,160	2,160	2,160
425/55 R17 with 7.50-18*	2,630	2,630	2,630	2,630
440/50 R17 All-Ground*	2,160	2,160	2,160	2,160
440/50 R17 with 7.50-18*	2,630	2,630	2,630	2,630

\* Wheel offset ET77 is optionally available: This reduces the external width by 80 mm in all tyre variants.

Technical data Metrac	H75	H75 pro	H95	H95 pro
<b>Engine</b>				
Type	Perkins 904J-E28T	Perkins 904J-E28T	Perkins 9043-E36TA	Perkins 9043-E36TA
Power (hp)	75	75	95	95
Power (kW)	55.2	55.2	70	70
Displacement/cylinder	2,799	2,799	3,600	3,600
Cylinders	4	4	4	4
Torque	300	300	410	410
at engine speed	1,600	1,600	1,500	1,500
Nominal speed (rpm)	2,200	2,200	2,200	2,200
Emission level	5	5	5	5
Exhaust gas recirculation	✓	✓	✓	✓
Diesel particulate filter	✓	✓	✓	✓
Fuel tank (l)	90	90	90	90
AdBlue tank (l)	-	-	11.5	11.5
Electrical system	12 V / 105 Ah	12 V / 105 Ah	12 V / 105 Ah	12 V / 105 Ah
Alternator Ah	120	120	120	120
<b>Drive/chassis</b>				
Inching pedal	✓	✓	✓	✓
Electronically controlled hydrostatic drive	✓	✓	✓	✓
2 mechanical gear reductions	✓	✓	✓	✓
Maximum speed in kph (with all tyres) fast category / slow category	40/20	40/20	40/20	40/20
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	✓	✓	✓	✓
Short wheelbase (mm)	2,150	2,150	2,150	2,150
Long wheelbase (mm)	2,350	2,350	2,350	2,350
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	✓	✓	✓	✓
<b>Tyres</b>				
31x15.50-15 Terra	✓	o	✓	o
33x15.50-15 Terra	o	✓	o	✓
31x15.50-15 AG tread	o	o	o	o
31x15.50-15 turf tread	o	o	o	o
440/50 R17 All-Ground tyres	o	o	o	o
425/55 R17 AG tread	o	o	o	o
<b>Closed cab</b>				
Door with sliding window	o	✓	o	✓
Hinged rear window	✓	✓	✓	✓
Heating	✓	-	✓	-
Manual air conditioning	o	-	o	-



Technical data Metrac	H75	H75 pro	H95	H95 pro
Automatic climate control	-	✓	-	✓
Radio preparation including aerial and 4 speakers	✓	✓	✓	✓
Single DIN radio	o	o	o	o
Single DIN radio + CD & SD	o	o	o	o
Double DIN radio, Android Auto and Apple CarPlay, with USB cable	o	o	o	o
Double DIN radio, Android Auto and Apple CarPlay, wireless	o	o	o	o
Comfort seat, leatherette cover, with pelvic support	✓	✓	✓	✓
Comfort seat, cloth cover, with pelvic support	o	o	o	o
Comfort seat, air-cushioned, with pelvic support	o	o	o	o
Mechanical swivel seat, with pelvic support	o	o	o	o
Electric swivel seat, with pelvic support	o	o	o	o
Front working light, top-mounted	o	-	o	-
Front working light, integrated	o	o	o	o
Front LED working light, top-mounted	o	-	o	-
Front LED working light, integrated	o	o	o	o
Rear working light	o	o	o	o
Rear LED working light	o	o	o	o
LED rotating warning light	o	o	o	o
Working hydraulics/linkages				
Rotation angle front linkage with electro-hydraulic weight compensation, vibration damping, lateral displacement and external control (quick release system using a hook end, cat. 1)	✓	✓	✓	✓
Lifting force of front linkage (kg)	1,500	1,500	1,500	1,500
Rear linkage with electro-hydraulic weight compensation, vibration damping and external operation (retaining balls, cat. 1 and 2)	o	o	o	o
Rear linkage quick release system (lower link with hook end, cat. 2)	o	o	o	o
Lifting force of rear linkage (kg)	1,500	1,500	1,500	1,500
Hydraulics delivery rate with constant pump (L/min)	29.2	29.2	29.2	29.2
Hydraulics delivery rate with variable pump (L/min)	52.0	52.0	52.0	52.0
Working pressure (bar)	195	195	195	195
Control unit, basic equipment, front	1 d.a.f.	2 d.a.f.	1 d.a.f.	2 d.a.f.
Additional optional control units	2 d.a.f./ variable pump	1 d.a.f./ variable pump	2 d.a.f./ variable pump	1 d.a.f./ variable pump
Parallel lines, rear	o	o	o	o
Oil motor operation	depending on the hydraulics variant (up to 2 oil engines)			
Weights				
Unladen weight, short wheelbase from kg	2,500	2,650	2,700	2,850
Unladen weight, long wheelbase from kg	2,530	2,680	2,730	2,880
Axle load front (kg)	2,300	2,300	2,300	2,300
Axle load rear (kg)	2,600	2,600	2,600	2,600
Max. gross vehicle weight	4,200	4,200	4,400	4,400
PTOs				
Front 540 rpm	✓	✓	✓	✓
Front 540 and 1,000 rpm	o	o	o	o
Rear 540 rpm	✓	✓	✓	✓
Rear 540 and 1,000 rpm	o	o	o	o

Standard ✓

Optional o

Not available –

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# REFORM. Teamwork Technology.



PRO3311/0823

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