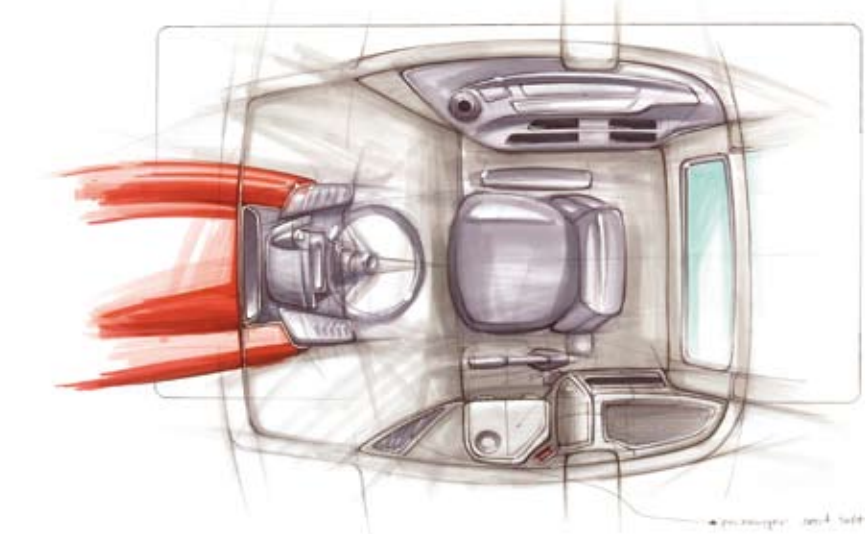


## GEOTRAC Series 4

### COCKPIT

The cockpit in the **GEOTRAC 124** is optimally matched to the ergonomics of the driver. All controls are divided into control clusters and subtly lit. The **comfort steering wheel** is adjustable in height and inclination. A practical **telephone bracket** was integrated in the centre console. The mobile phone is positioned in easy view in front of the driver. As an option the **GEOTRAC 124** can be equipped with a hi-fi audio system including integrated bluetooth hands-free speaking facility.

By way of the **Lindner I.B.C. monitor** (intelligent on-board computer), which is standard in the **GEOTRAC 124**, a large number of functions can be displayed and controlled. In addition to the main information such as rotational speeds, travelling speed, control displays and time it is possible to fade in the image of the optional reversing or lateral camera if required, change to the consumption display or switch to the display for



the hydraulic setting. The operation of the most important functions is explained step-by-step in the Help menu. The vehicle electronic system can be controlled via the monitor and the most important information messages accessed at any time. The Lindner **GEOTRAC 124** is thus the first vehicle that allows monitoring and calibrating of the electronic system even without service laptop.



### LIGHTING

GEOTRAC 124 is the first tractor to be equipped with state-of-the-art **LED lighting technology**. **8 Ellipsoid headlights** at the front and 2 working lights at the back guarantee optimum lighting in twilight and darkness. Indicator and side marker lights are attached on the side of the cab. Additional halogen and **XENON** working lamps are available as an option.



## GEOTRAC Series 4

### COMFORT CAB

Panorama comfort cab, comfort platform with side shift, panorama glazing tinted screen, **front-end loader clear vision screen**, safety call with **ROPS** and **FOPS** test, windscreens of composite safety glass (**VSG**), push-out side windows and rear window, co-driver's seat, door locks, interior trim, Grammer **pro-comfort seat** air-sprung, radio preparation, interior lighting with door automatic, heating and ventilation system with 3-speed high-performance blowers, starting lock, continuous current socket (3-pole), signal socket, **comfort steering wheel**, adjustable in height and inclination, automatic turn signal resetting, raised exhaust, intermittent windshield wiper, **telephone bracket**, utility tray rear, beverage holder, adjustable air jets and sun protection roller blind, **one-piece engine bonnet** with comfort opening, radiator with **removable microfilters**.  
Optional: automatic climate control, pneumatic cap suspension, hi-fi audio system with bluetooth hands-free speaking facility

### CLUTCH

Wet multiple-disc clutch, maintenance-free, **(Power shuttle), comfort clutch** via foot pedal or on gear lever

### FRONT AXLE & STEERING

Hydrostatic, load-sensing system with own **hydraulic circuit** (44l/min), high-performance front axle with 3-star planetary gears, **50° steering lock**, turning circle diameter: 9,5 m; Optional: 4-wheel brake, independent wheel spring suspension with integrated 4-wheel brake

### TRANSMISSION

24/8 speed **ZF-STEYR power shift transmission with triplex power shift**, automating function (**APS**), automated group change-over (**FRRS**), brake lubricating oil shut-off, pressure-circulation lubricated, **40 or 50 km/h** Optional: 36/12-version with crawler gear, additional PTO shaft

### BRAKES

Hydraulically actuated wet multiple disc brakes at the rear with automatic all-wheel activation with every braking operation (**Opti-Stop**), steering brake Optional: 4-wheel brake, exhaust brake, compressed-air brake for trailers

### ALL-WHEEL & DIFFERENTIAL LOCK

**Power all-wheel drive** – switched on by pressing a button, differential lock rear – switched on by pressing a button, self-locking differential front Optional: All-wheel & differential management

### PTO SHAFT

Power rear PTO shaft, **540 / 750 / 1000 / 1400 rpm**, integrated **PTO shaft starting control**, PTO shaft operated by pressing a button with remote control at the rear.  
Optional: Front PTO shaft 1000 rpm with PTO shaft starting control, PTO shaft management

### HYDRAULIC SYSTEM

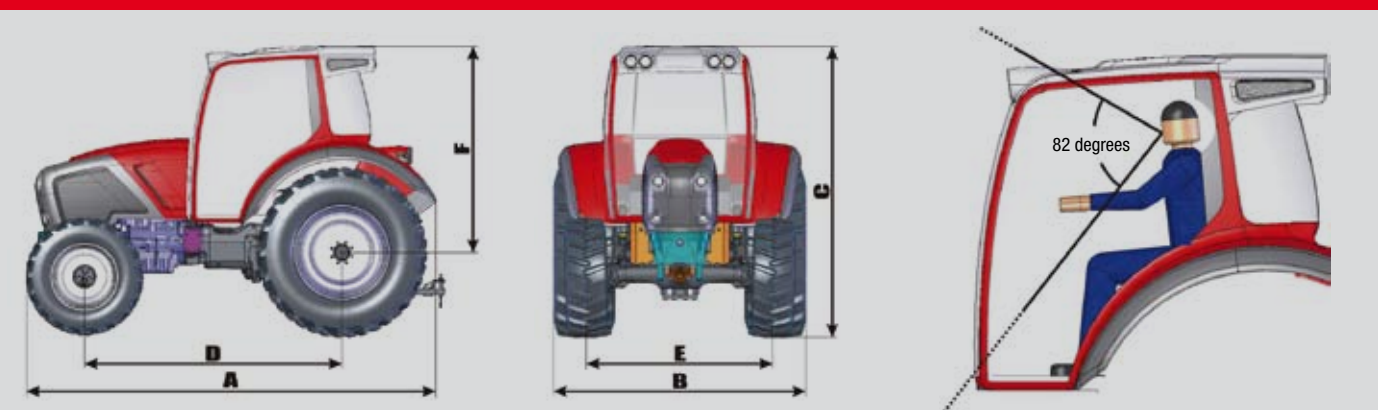
**BOSCH high-performance hydraulic system** with 3 pump circuits, load sensing  
Working pressure: 185 bar  
Max. rate of delivery: **max. 121 litres/min.** (working hydraulics: max. 77 litres/min), 45 litre oil household  
Control units: 2 x double-acting mechanical L-S control unit with flow control  
Hydraulic couplings: 4 tipper lines + 1 return  
Lifting power rear: Non-drip plug couplings with separate leakage oil vessels 6,000 kp  
Optional: double-acting electrical L-S control unit, joystick operation with buttons, front hydraulics (3,500 kp) with remote control, equipment unloading, variable delivery pump (axial piston pump)

### LIGHT

8 x **H7 Ellipsoid headlights** front (high and low beam), 2 x **H3**-working lights rear, 2 x rear and brake lights in **LED technology** with integrated indicator rear, 2 x lateral indicators with integrated side-marker light

### STANDARD TYRES

**440/65 R24 front & 540/65 R34 rear**  
Optional: up to 600/65 R38 rear



### GEOTRAC 124

**ENGINE** PERKINS 1104D-E44TA  
Common rail, turbocharged  
Rated power (ISO 14396:2002): 126 HP/92.8 kW  
Max. power: 134 HP/98.4 kW  
ECO mode: 116 HP/85.7 kW  
Max. torque: 550 Nm  
Cylinder/capacity: 4 / 4,400 ccm  
Tank capacity: 140 l

**STANDARD EQUIPMENT** Lindner I.B.C. monitor

### GEOTRAC 114

**ENGINE** PERKINS 1104D-E44TA  
Common rail, turbocharged  
Rated power (ISO 14396:2002): 116 PS/85.7 kW  
Max. torque: 510 Nm  
Cylinder/capacity: 4 / 4,400 ccm  
Tank capacity: 140 l

**STANDARD EQUIPMENT** Lindner I.B.C. monitor

### GEOTRAC 104

**ENGINE** PERKINS 1104D-E44TA  
Common rail, turbocharged  
Rated power (ISO 14396:2002): 106 PS/78.2 kW  
Max. torque: 460 Nm  
Cylinder/capacity: 4 / 4,400 ccm  
Tank capacity: 140 l

**OPTIONAL** Lindner I.B.C. monitor

### WEIGHTS

Deadweight: 4,150 kg  
Max. permissible gross weight: 7,500 kg  
Max. axle weight front: 3,800 kg  
Max. axle weight rear: 6,000 kg

### DIMENSIONS

Tyres:	440/65R24 & 540/65R34	480/70R24 & 520/70R38
A) Max. length:	4,050 mm	4,150 mm
B) Max. width:	2,226 mm	2,320 mm
C) Max. height:	2,679 mm	2,761 mm
D) Wheelbase:	2,420 mm	2,420 mm
E) Track:	1,700 mm	1,800 mm
F) Segment height:	1,929 mm	1,929 mm

# GEOTRAC 104/114/124

## Series 4 – Tractors of a new Dimension



# Lindner

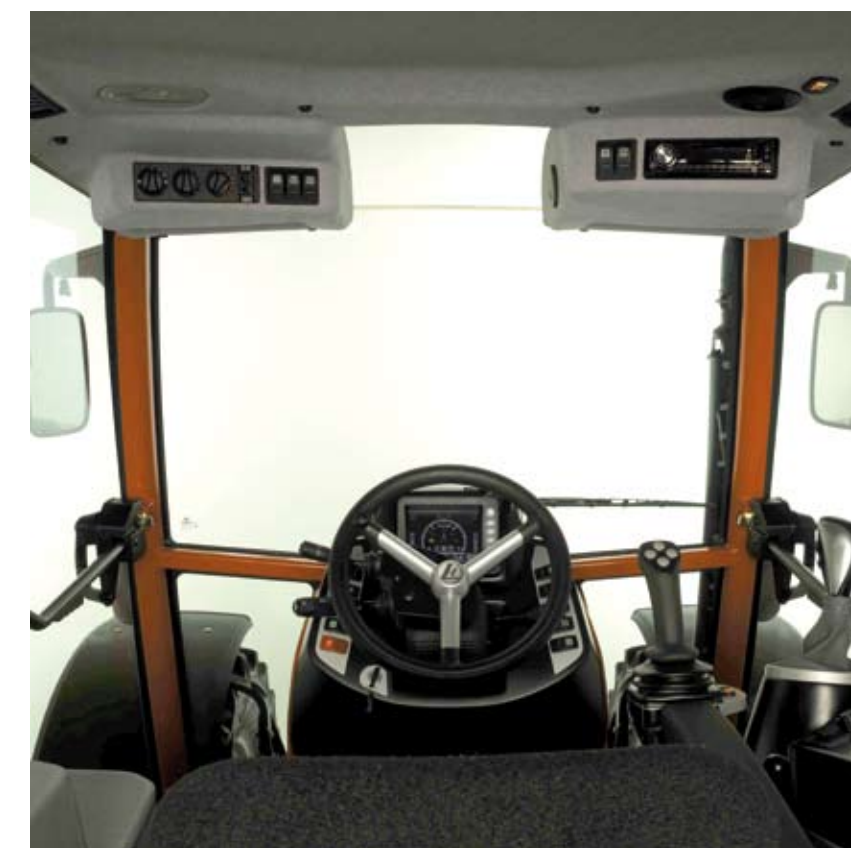
## GEOTRAC Series 4

### CAB

The Panorama comfort cab of the **GEOTRAC 124** affords generous and comfortable entry through the wide safety glass doors. The cab B-pillars, which have been relocated far to the back, provide maximum **all round vision**. With the **front-end loader clear vision screen** the cab design is oriented to a large degree on the optimum clear vision of a helicopter. The wide opening of the rear window, push-out side windows and the 3-speed fresh air blower guarantee a **pleasant working climate**.

A particularly innovative safety concept was implemented in the cab of the **GEOTRAC 124**. The passenger cell is designed as **ROPS** (roll over protective structure) and **FOPS** (falling object protective structure). This high safety standard, which is normally employed only with heavy-duty construction equipment, was realised for the first time in a tractor in the **GEOTRAC 124**. This protects the driver against rolling-over on slopes and against falling objects, for example during forestry operations. In addition, the entire front screen is manufactured in **CSG** (composite safety glass) to prevent objects entering from the front.

The **pro-comfort seat** of GRAMMER with low-frequency air suspension is standard equipment. Through the 7-way adjustment of backrest, seat surface, neck support and armrests the seat can be individually adapted to any driver. A practical document compartment behind the backrest offers easily accessible stowage space.







**FRONT AXLE**

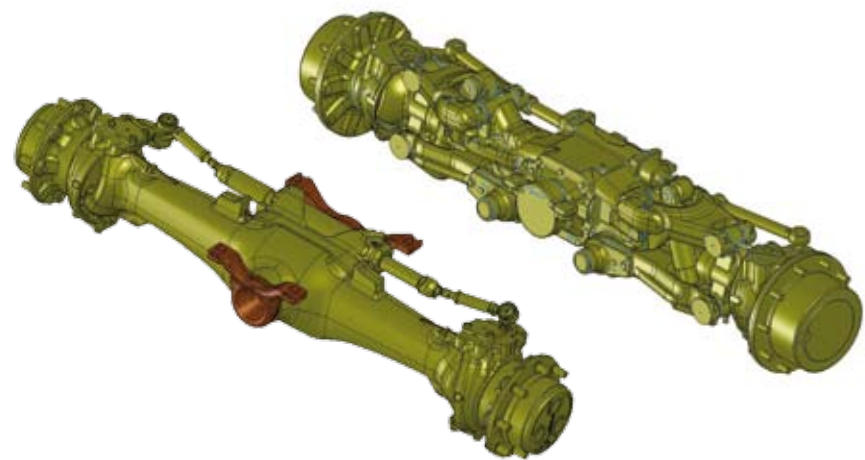
The **GEOTRAC 124** is equipped with a high-performance front axle with 3,800 kg of maximum permissible axle weight as standard. As an option, the axle is available with integrated **4-wheel brake**. The **GEOTRAC 124** can optionally be equipped with individual **wheel suspension at the front**. The hydraulic suspension ensures optimum stability and quietness of operation when travelling at speeds of up to **50 km/h**. The lockable system allows maximum working comfort in tough transport operations. The swivelling mudguards allow a **steering lock of 50°**.

The **GEOTRAC 124** can be equipped with a **front PTO shaft** as an option. The PTO shaft speed

**ENGINE**

The **GEOTRAC 124** has a **PERKINS 4-cylinder turbo diesel** with common-rail injection, charge air cooling and two power curves. The normal power is 126HP/ 92.8kW at 2200 rpm and 550Nm torque at 1400 rpm. During transport operations or operations requiring little power, the intelligent engine control switches to ECO mode. In this second power curve the engine output is reduced to 116HP/ 85.7kW and 530Nm. The torque increase of 38% remains almost identical. If required, the full normal power is available again within fractions of a seconds. Consequently the **GEOTRAC 124** runs with optimum consumption in any power range. In PTO shaft mode a power boost of up to 134HP/ 98.4kW is available with the power boost function.

From spring 2008 Series 4 is completed with two additional engine versions. A PERKINS 4-cylinder



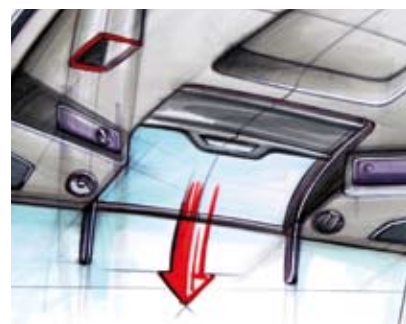
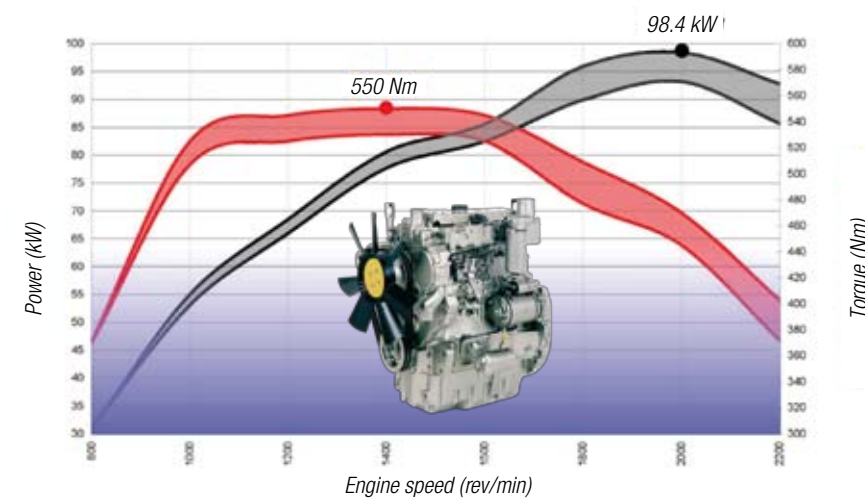
is 1000 rpm. Through the **integrated starting control** traction is smooth, efficient and secure. The **front hydraulic with remote control** with folding-type lifting arms available as an option has a lifting force of 3,500 kp. Integrated equipment unloading is additionally available to protect the implements.



turbo diesel with common-rail injection will be used in the **GEOTRAC 104**. The engine has an output of 106HP/ 78.2 kW at 2200 rpm and 460 Nm at 1400 rpm. The **GEOTRAC 114** likewise has a PERKINS 4-cylinder turbo diesel with common-

rail injection and additional charge air cooling. The engine output here is 116HP/ 85.7 kW with a torque of 510 Nm.

The tank capacity of all three models is 140 litres.



With the innovative **front-end loader clear vision screen** the **GEOTRAC 124** achieves an incomparably large field of vision for front-end loading operations. An **integrated roller blind** protects from direct sun radiation.



The **GEOTRAC 124** is equipped with high-illumination **ellipsoid headlights** as standard. The 4 roof headlights ensure reliable illumination when front implements are connected.

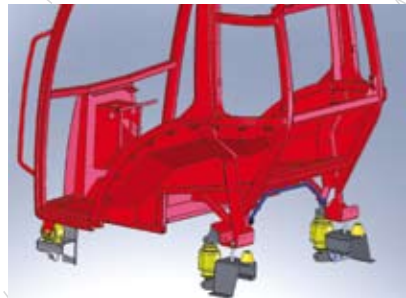


The **one-piece engine hood** is comfortably opened with gas pressure cylinders. The coolers can be comfortably cleaned through **removable microfilters** without having to be folded.



All vehicle information is clearly displayed on the **Lindner I.B.C. monitor**. The special screen which is protected through low-reflection real glass can be easily read even with direct solar radiation. Navigation in the on-board menu is simple and intuitively understandable through the illuminated functions keys and the rotary wheel.

Through the standard **ultra-bush mounting**, the cab provides pleasant travelling comfort as standard. **Pneumatic cab suspension** is available as an option. The spring cylinders are lockable. In this way it is possible to guarantee both stability on a slope as well as optimum suspension comfort during transport operations.



Through the optional automatic **climate** control the room temperature can be comfortably regulated. The lateral utility compartment is cooled as well. The filter is easily accessible with the help of the rear hydraulics.



**LED rear lamps** - with the extremely long life of the light-emitting diodes of up to 20,000 hours, rear and brake lights practically last for the life of the tractor and are thus maintenance free.



The optional **joystick armrest** serves for the operation of front-end loader, hydraulics and power shuttle. Via microswitch it is possible to switch between the various functions.

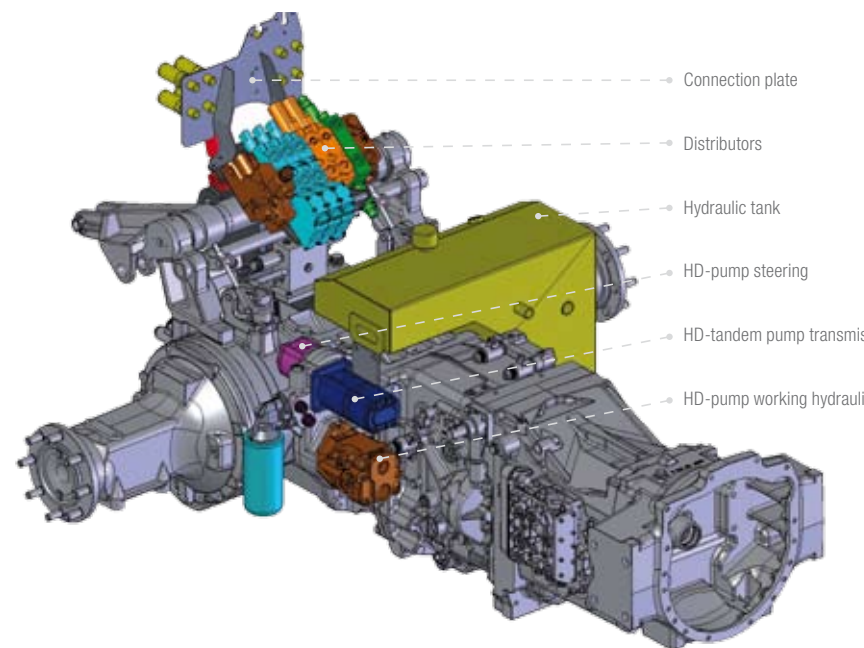
**TRANSMISSION**

The **GEOTRAC 124** has a **ZF-STEYR-multiple power shift transmission** with 24 forward and 12 reverse speeds as standard. There is a choice between a **40 or 50km/h** version. Triplex power shift with automation function (APS) is standard. The power shift stages are automatically shifted by the intelligent vehicle electronics. Manual step selection is likewise possible.

The **power shuttle** can be operated via the driving direction lever on the steering wheel or via the optional joystick armrest. The buttons for the standard **comfort clutch** are located on the gear lever. Through the automatic group shift (**FRRS**) between road and off-road group, shifting through **8 gears** is possible without having to press the clutch pedal. As an option, a 36/12 speed version with crawler gear is possible. An additional PTO shaft is available as an option.

**HYDRAULICS**

The **GEOTRAC 124** has a **BOSCH high-performance hydraulic system** with separate oil household and an output of **121 litres/min**. The 3-circuit system is equipped with a separate pump each for transmission, steering and working hydraulic system. The 77-litre output of the working hydraulic system is delivered by a constant pump as standard. For particularly sophisticated and economical operating purposes a variable delivery pump (axial piston pump) is available as an option. This load-sensing system operates particularly efficiently since only the amount of oil required in the oil household of the working hydraulic system is in circulation at a time.



The powerful rear PTO shaft has **4 PTO shaft speeds**. Through the PTO shaft control the power is transmitted free of jerks, with low wear and securely. The PTO shaft is operated by pressing a button in the cab or on the rear mudguards.

The **GEOTRAC 124** has two double-acting control units with floating position as standard. These **flow-adjustable load-sensing control units** can be expanded with up to three control units. Alternatively, up to four **electronic proportional control units** are available. These are particularly suitable for sensitive operation of the front-end loader. All hydraulic connections of the **GEOTRAC 124** are equipped with high-quality hydraulic couplings having separate leakage oil vessels.

