



▼ FORTERRA range

Construction of Forterra tractors has been adapted accordingly – these are robust, heavy weight tractors. Due to very good torque parameters, they are appreciated as hard workers and excellent value for money. Forterra tractors are unbeatable in terms of operational costs.

The Zetor **Forterra** models offer engine powers of up to 140 HP, which makes it a very strong.

Forterra HSX is equipped with the most up-to-date technology: the latest Power-

shuttle generation, a new five-speed gearbox with three-stage multiplier, a more powerful hydraulic system, HitchTronic three-point hitch controls, LCD display, safety driver's seat and more.

Forterra HD is the best equipped tractors in the Zetor portfolio with engine up to 150 HP. Reinforced axle drive, larger rear axle, an extended wheelbase for greater stability, with a spring-mounted front axle and cab. These combine to make Forterra HD a strong partner for high productivity.

ENGINE

The exceptional popularity of Zetor engines is based on low fuel consumption, high reliability and simple design – these reward the customer not only with low purchase costs, but also low operating costs and great reliability. The 16-valve engines obtained one of the best evaluations in a stringent test carried out by the German Agricultural Association (DLG). Tractors with these engines therefore rank among the most economical in the market.

GEARBOX

FORTERRA

The classic, four-speed, fully synchronized gearbox in Forterra tractors, supplemented with two speed ranges and a three-stage multiplier (24/18), features larger gears and bearings for a good service life. Gears are suitably spaced with seven speeds available within the operating range from 6–12 kph.

FORTERRA HSX /HD

A five-speed gearbox with two driving speed ranges, a three-stage multiplier and a reverser under load (30/30) satisfies the demands of users requiring a higher level of comfort. The pair of wet disk clutches is reliable with smooth reversing. The working range offers nine speeds.

HYDRAULICS

Two auxiliary hydraulic cylinders ensure uniform tractor loading and maximum lifting force, up to 77 kN for Forterra and up to 85 kN for Forterra HSX/HD.

Forterra HD offers four auxiliary hydraulic quick couplers with electro-hydraulic control. In combination with Category III hitches, you can enjoy a wide selection of usable implements. The tractor also has programmable headland turning sequences to simplify and improve field work.

FORTERRA

| MODEL | FORTERRA | | FORTERRA HSX | | FORTERRA HD | |
|---|--|---|--------------------------------|------------|-------------|--|
| | 135 | 140 | 130 | 140 | 150 | |
| ENGINE | | | | | | |
| Engine type | 1605 | 1605 | 1506 | 1606 | 1716 | |
| Emission level | Stage IIIA | | | Stage IIIB | | |
| Homologated Power (kW) (2000/25/EC) | 100.2 | 100.2 | 93.2 | 100.2 | 108.2 | |
| Homologated Power (hP) (2000/25/EC) | 136 | 136 | 127 | 136 | 147 | |
| Rated Speed (rpm) | 2,200 | | | | | |
| Number of Cylinders | 4 | | | | | |
| Number of Valves | 16 | | | | | |
| Aspiration | Turbocharged | | | | | |
| Bore/Stroke (mm) | 105/120 | | | | | |
| Displacement (cm ³) | 4,156 | | | | | |
| Cooling | Viscous fan clutch | | | | | |
| Max. Torque (Nm) (2000/25/EC) | 581 | 581 | 551 | 581 | 589 | |
| Improvement of Torque (%) (ECE R24) | 38 | 38 | 41 | 38 | 30 | |
| TRANSMISSION | | | | | | |
| Type | Mechanical with 3-stage multiplier, reversing | Reversing 5-stage with automatic 3-stage multiplier | | | | |
| Reverser | - | Under load at 10 kph | | | | |
| Shifting | Fully synchronized | | | | | |
| No. of Gears (forward/reverse) | 24/18 | 30/30 | | | | |
| Speed (kph) | 40 | | | | | |
| PTO | | | | | | |
| Type | Independent, multi-plate PTO clutch | | | | | |
| Rear PTO Revolutions | 540/540E/1,000/1,000E or 540/1,000 + dependent ^{opt} | | | | | |
| Front PTO Revolutions | 1,000 | | | | | |
| Max. Power of Front PTO (kW) | Power transmission up to 60 kW | | Power transmission up to 90 kW | | | |
| HYDRAULICS | | | | | | |
| Type | Bosch electro-hydraulics with HitchTronic, 2 auxiliary cylinders | | | | | |
| Three-Point Hitch | Category II, Category III N ^{opt} | | Category III | | | |
| Control | Electronic | | | | | |
| Max. Lift Force (kN) | 77 | 85 | 85 | | | |
| Operating Pressure (MPa) | 20 | | 20+0,2 | | | |
| Pump Capacity (l) | 70 | | 85 (gear)/ 120 (axial) | | | |
| Outer circuits (hydraulic quick couplers) | 6+1; 4+1 ^{opt} | | 8+1 | | | |
| Hitches | Modular CBM hitch system – level quick-adjustable hitch | | | | | |

| MODEL | FORTERRA | | FORTERRA HSX | | FORTERRA HD | |
|---|--|----------------------------|----------------------------------|-----|-------------|--|
| | 135 | 140 | 130 | 140 | 150 | |
| CAB | | | | | | |
| Spring-Mounting | Fixed standard; Suspended opt | | | | | |
| Roof with Hatch | Standard | | | | | |
| Seat | Zetor seat with pneumatic opt / mechanical suspension | | | | | |
| Passenger Seat | Standard; Safety belt ^{opt} | | | | | |
| Multi-Functional Panel | - | | Standard | | | |
| Steering Wheel | Fixed; Tilttable and telescopic ^{opt} | | | | | |
| Air-Conditioning | Manual ^{opt} | | Manual | | | |
| OTHER SPECIFICATIONS | | | | | | |
| Drive System | 4WD | | | | | |
| Front drive axle | Solid | | Solid; Suspension ^{opt} | | | |
| Steering | Hydrostatic | | | | | |
| Operating/Parking Brakes | Hydraulic control/mechanical control | | | | | |
| Front Brakes | By connecting front driven axle, using hydraulic clutch | | | | | |
| Trailer Brakes | 1+2 hose pneumatic ^{opt} and hydraulic ^{opt} | | | | | |
| Max. Front Ballast (kg) ^{opt} | 800 | | 900 | | | |
| Max. Rear Wheel Ballast (kg) ^{opt} | | | 472 | | | |
| Tank Volume (l) | 180 | 220 | | | | |
| Front Mudguards | Fixed / Swivel ^{opt} | | Swivel | | | |
| Heated Mirrors, Rear Defroster | Optional | | Standard | | | |
| Pre-Wiring for Radio | Optional | | Standard | | | |
| DIMENSIONS | | | | | | |
| Operating Weight* (kg) | 4,300-4,800 | 4,400-4,900 | 4,800-5,500 | | | |
| Max. Length (mm) | 5,100 | 5,200 | 5,766 | | | |
| Max. Width (mm) | 2,430 | 2,430 | 2,550 | | | |
| Max. Height (mm) | 2,775 | 2,775 | 2,803 | | | |
| Wheelbase (mm) | 2,490 | 2,590 | 2,720 | | | |
| Front Wheels** (mm) | 380/85 R24 (14.9 R24 disc) | 380/85 R24 (14.9 R24 disc) | 380/85 R24 (14.9 R24 disc) | | | |
| Rear Wheels** (mm) | 460/85 R38 (18.4 R38) disc | 460/85 R38 (18.4 R38) disc | 460/85 R38 (18.4 R38) disc | | | |

* Without front and rear ballast

** Standard wheels; for more options contact your dealer

