

Zetor

Zetor
FORTERRA
FORTERRA HSX



PERFORMANCE
ENDURANCE
TOTAL COST OF OWNERSHIP

100

110

120

130

140

Tractor is Zetor since 1946.

ZETOR FORTERRA SERIES COMBINES A VARIETY OF STATE-OF-THE-ART FEATURES WITH THE TRADITIONAL ZETOR RUGGEDNESS AND EASE OF SERVICING. THE SERIES INCLUDES EIGHT MODELS, ALL WITH FOUR-WHEEL-DRIVE, IN A HORSEPOWER RANGE FROM 98 TO 137.

FORTERRA MODEL 2013 IS THE FOURTH GENERATION OF THE POPULAR AND PROVEN ZETOR FORTERRA TRACTORS AND HAS BEEN SIGNIFICANTLY UPDATED IN MANY WAYS TO INCREASE PRODUCTIVITY IN THE FIELD AS WELL AS OPERATOR'S COMFORT. AT THE SAME TIME, IT REQUIRES LESS MAINTENANCE, FURTHER REDUCING OPERATING COST. THE EXTREMELY FUEL-EFFICIENT ZETOR 16-VALVE ENGINE IS NOW STANDARD ON ALL MODELS, SAVING FARMERS THOUSANDS IN FUEL COSTS.



HEAVY DUTY
TRACTORS FOR
PROFESIONALS



- 1 A roomy cab has entry doors on both sides and tinted windows. The cab floor is flat and clear from all obstacles. The cab is mounted on specially designed rubber blocks to eliminate shock and vibration, for added driver comfort. The cab is mounted on specially designed rubber blocks to eliminate shock and vibration, for added driver comfort. A spring-suspended cab is optional, for even greater comfort. High capacity heater and air conditioning are standard.
- 2 The side-mounted exhaust does not restrict operator's view.
- 3 The proven, easy to service hydraulic system offers advanced electronic three-point hitch controls, standard three sets of remotes and 18,700 lb. hitch lifting capacity.
- 4 **Forterra** series is equipped with a smooth-shifting, fully synchronized transmission with three-speed power shift, synchronized shuttle and 24 speeds forward/18 reverse. **Forterra HSX** series is equipped with power shuttle and has total of 30 speeds forward and 30 reverse.
- 5 Well-balanced weight distribution over front and rear axle provides superior traction. The wheelbase has been extended by 4 inches to significantly improve operator's comfort.

The Forterra HSX series wheelbase is longer by additional 4 inches for even greater stability and smooth ride.
- 6 The hood and side walls are fully screened, to protect the radiator from plugging. Its sloped shape improves loader bucket visibility. After all, Forterras are popular loader tractors.
- 7 Updated rugged engines with 16-valve technology deliver outstanding fuel economy and dependable cold weather starting.
- 8 Electro-hydraulically controlled multi-plate PTO clutch.
- 9 New wet brakes with ten plates are practically maintenance-free.
- 10 All-new heavy-duty front axle has center drive shaft and a sharp 55 degree steering angle. Large front axle carrying capacity is adequate for even the most demanding front loader work.
- 11 New, more powerfull hydrostatic steering has its own hydraulic pump, fully independent from the main hydraulic pump. Steering power has been increased by 50%.

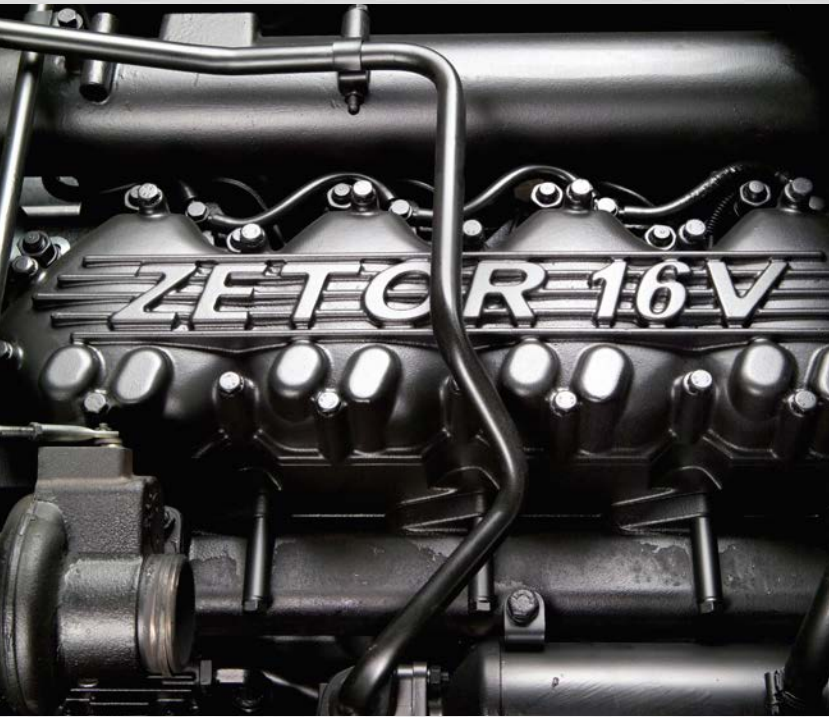


FORTERRA FORTERRA HSX MODELS BY ENGINE HORSEPOWER

| | |
|-----|--------|
| 100 | 98 HP |
| 110 | 108 HP |
| 120 | 118 HP |
| 130 | 128 HP |
| 140 | 137 HP |

ALL FORTERRA AND FORTERRA HSX MODELS FEATURE HEAVY CAST IRON CHASSIS. THIS IS ONE OF ZETOR TRADITIONS; A CHASSIS DESIGNED BEYOND THE NEEDS OF THE MOST POWERFUL ENGINE, AND USED THROUGHOUT THE WHOLE RANGE OF MODELS. ZETOR'S DESIGN PHILOSOPHY IS TO ADD WEIGHT WHERE IT IS NEEDED MOST - IN TRACTOR HOUSINGS THEMSELVES.

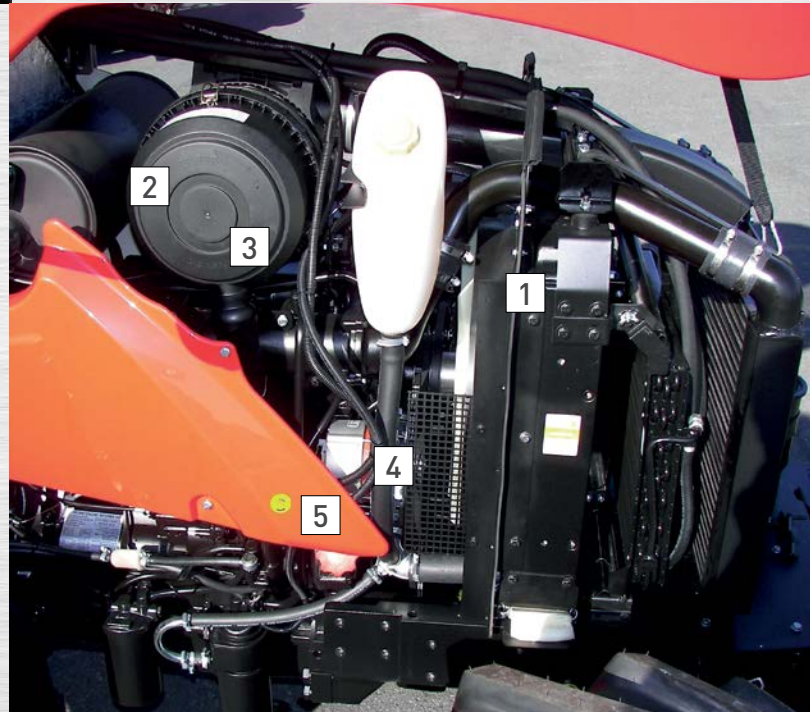
THEREFORE, ZETOR HOUSINGS ARE EXCEPTIONALLY STRONG, TO ENSURE LONG-TERM STRUCTURAL STABILITY.



Zetor ENGINE

Zetor engines use the legendary all-mechanical in-line Zetor injection pumps. Unlike most rotary pumps, the Zetor pump has no rubber moving parts and is designed for lifetime service-free operation. It will also tolerate fuel of various quality – another advantage over rotary pumps. Zetor injection system is compatible with bio-diesel fuel, even B100. Zetor injection systems and turbochargers carry 5-year manufacturer’s warranty.

THE SUPERIOR-PERFORMING ENGINES ARE COMPLETELY ZETOR-BUILT, AND ARE A PRODUCT OF MORE THAN 65 YEARS OF ZETOR’S ENGINE DESIGN EXPERTISE. THESE PROVEN, DEPENDABLE ENGINES NOW FEATURE NEW 16-VALVE DESIGN AND DELIVER INDUSTRY-LEADING FUEL ECONOMY, LOW MAINTENANCE REQUIREMENTS AND TOP-NOTCH PERFORMANCE IN THE FIELD. INDEPENDENT TESTS SHOW THAT THE NEW ZETOR ENGINES WITH 16- VALVE TECHNOLOGY ARE ONE OF THE MOST FUEL EFFICIENT TRACTOR ENGINES EVER BUILT*. IN REAL LIFE, THIS REPRESENTS LITERALLY MANY THOUSANDS OF DOLLARS IN FUEL SAVINGS OVER THE LONG LIFE OF A TRACTOR. ALL THAT WHILE MAINTAINING THEIR ALL-MECHANICAL TROUBLE-FREE CONTROLS.



- 1 The Zetor water pumps are equipped with special spool type bearing, designed for a service-free life.
- 2 Access to all service jobs is exceptionally easy – simply lift the hood.
- 3 Dry air cleaner with extra high capacity main and safety elements.
- 4 An air compressor is standard equipment and delivers 6 CFM at 90 PSI. It can be used to pump up tires in the field, or to run various equipment.
- 5 Heavy engine blocks ensure minimal sleeve distortion and long service life.

* In a comparison test by DLG (German test lab) published by reputable Profi Magazine in May 2011, the Forterra 140 engine was the second most fuel efficient engine of all engines ever tested, of any brand.



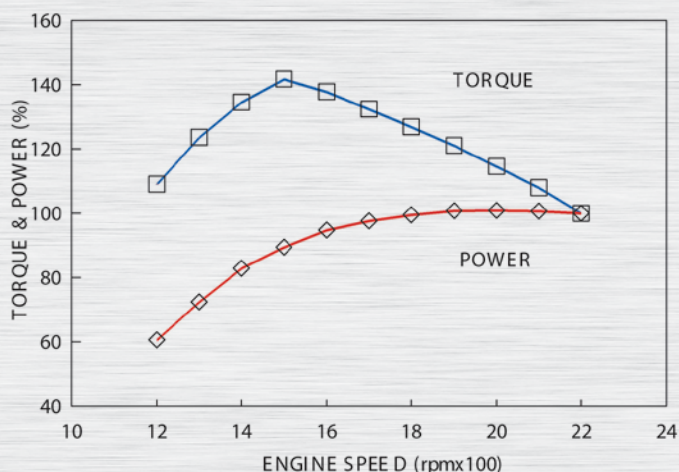
Forterra series is equipped with large 14" heavy duty clutch with industrial grade cerametallic lining, which has proven itself as well- suited for loader work. Very high mass flywheel dissipates heat efficiently.
Forterra HSX is equipped with multi-plate wet clutch

Precision balancers in Zetor engines ensure smooth, vibration-free run.

All engines are equipped with glow plugs in each cylinder, automatically controlled by the key switch. After a few seconds of preheating, the engine will start immediately, even on very cold winter days, without the help of a block heater. For extremely cold climates, a block heater is available as optional equipment.

A/C CONDENSER AND TRANSMISSION OIL COOLER SLIDE TO THE SIDE FOR EASY CLEANING. ZETOR TRACTORS USE AN ALL-METAL RADIATOR. THE COOLING SYSTEM IS DESIGNED TO ALLOW OUR ENGINES TO OPERATE AT EFFICIENT TEMPERATURES, NO MATTER WHAT THE LOAD OR ADVERSE OUTSIDE TEMPERATURE.

EFFICIENT OIL COOLING MADE IT POSSIBLE TO EXTEND THE OIL EXCHANGE INTERVAL TO 500 HOURS.



Zetor engines have very high torque backup (40%), to reduce the need for down shifting. The engine horsepower stays constant through a broad range of engine speed.

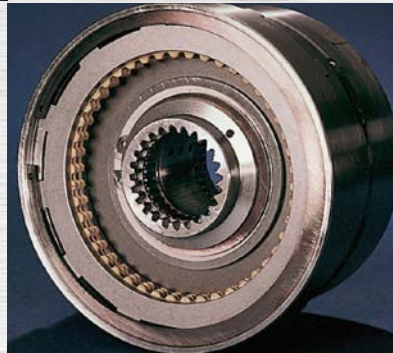


Unlike many competitors, Zetor engines use wet cylinder sleeves. Wet sleeves make overhauls fast and inexpensive. No special tools are required.

Zetor TRANSMISSION



THE **FORTERRA** SERIES IS EQUIPPED WITH FULLY SYNCHRONIZED SHUTTLE TRANSMISSION WITH 24 FORWARD AND 18 REVERSE SPEEDS. REVERSE SPEEDS ARE SLIGHTLY FASTER FOR QUICKER LOADER WORK CYCLES. THE MAIN GEAR SHIFT LEVER SELECTS FOUR FORWARD SPEEDS. THE RANGE SELECTOR (HI-LO) IS OPERATED BY A SEPARATE LEVER. EACH GEAR HAS THREE DIFFERENT RATIOS SELECTED ON-THE-GO BY ELECTRO-HYDRAULICALLY CONTROLLED POWER SHIFT. TOP SPEED AT HIGH IDLE IS 23 MPH FOR FAST TRAVEL BETWEEN WORK SITES.



Zetor's proven three-speed power shift is a simple and service-free unit. Its plates are cooled and lubricated by oil supplied from the transmission oil pump, for exceptionally long life.



Power shift is controlled by push buttons in the gear shift lever. On **Forterra HSX**, it can also be shifted automatically depending on engine load. Shifting points are easily programmable by the operator.

THE FORTERRA HSX SERIES IS EQUIPPED WITH POWER SHUTTLE TRANSMISSION WITH 30 FORWARD AND 30 REVERSE SPEEDS. THE MAIN GEAR SHIFT LEVER SELECTS FIVE FORWARD SPEEDS. A SEPARATE RANGE SELECTOR LEVER SELECTS THE HIGH OR LOW RANGE. EACH GEAR HAS THREE DIFFERENT RATIOS SELECTED ON-THE-GO BY THE ELECTRO-HYDRAULICALLY CONTROLLED POWER SHIFT. TOP SPEED AT HIGH IDLE IS 27 MPH. PROVEN, RELIABLE ZETOR POWER SHUTTLE WITH SMOOTH ENGAGEMENT HAS BEEN UPDATED FOR THE FORTERRA HSX SERIES.



The rear differential lock is engaged on-the-go by a push button, and disengaged at a touch of a brake pedal.

On **Forterra HSX**, it can also be disengaged automatically depending on tractor speed.



Optional front and rear weights are available in several packages:

Front weights:

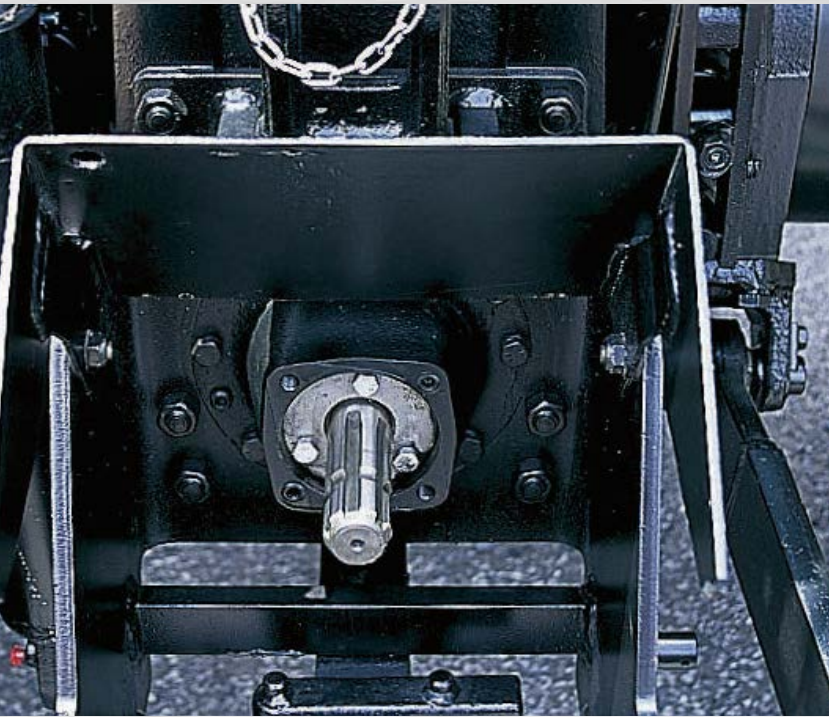
6pcs (660 lbs)
or 10 pcs (1100 lbs)
or 14 pcs (1550 lbs)

Rear weights:

6pcs (510 lbs)
or 10 pcs (770 lbs)
or 14 pcs (1030 lbs)

The front drive axle has a very tight 55 degree angle. Steering system pressure has been increased by 50% for easier steering even with front loader attached. Rugged rubber front fenders are standard. The limited-slip front differential, along with mechanical rear differential lock provide traction in difficult terrain. The front wheel drive clutch is engaged and disengaged on-the-go by a switch. On the HSX series, it can also be controlled automatically depending on tractor speed.

Zetors are equipped from the factory with Mitas tires known for decades for their toughness and extreme durability – customers frequently report their life twice as long as life of some competitive brand tires.



Zetor **POWER TAKE OFF**

INDEPENDENT POWER TAKE OFF WITH BOTH 540 RPM, 1000 RPM AND GROUND SPEED IS STANDARD ON ALL MODELS. PTO SPEED IS SELECTED ELECTRO-HYDRAULICALLY BY A PUSH BUTTON ON THE RIGHT CAB POST. ALTERNATIVELY, FOUR-SPEED PTO (540/540E/1000/1000E) WITHOUT GROUND SPEED IS AVAILABLE. THE "ECONOMY" SPEEDS MAKE IT POSSIBLE TO REDUCE FUEL USAGE IN MANY APPLICATIONS BY APPROX. 20%

THE PTO SHIELD OPENS UP FOR EASY IMPLEMENT SHAFT CONNECTION.



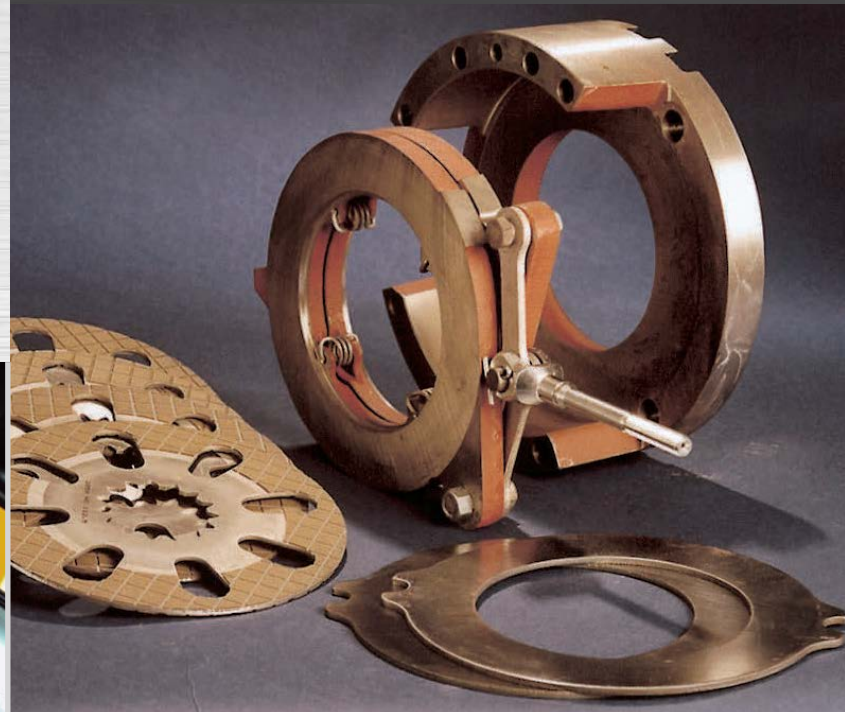
One of the Zetor unique features is Ground Speed PTO, which makes it possible to reverse the direction of PTO rotation (for example, to reverse the direction of a post hole digger). The ground speed also offers extremely fuel-efficient drive for stationary applications with low horsepower equipment (such as water pumps).

The hydraulic PTO clutch pack is fully immersed in oil, to keep the plate wear to absolute minimum. Like most gearbox shafts, the PTO clutch pack runs in high capacity tapered roller bearings.

BRAKES



The PTO clutch is engaged by a switch in the right cab post. A Belleville spring in the clutch pack and a special hydraulic cushion valve make engagement smooth and gradual, to protect PTO drivelines from shocks.



PTO can also be controlled by switches in rear fenders.

**Also available:
Front PTO (1000 rpm)
and front three-point
hitch with 7700 lb
lift capacity.**

The Forterra HSX series goes one step further and offers three different PTO start up modes to match best the implement demands, so the engagement is quick, but always smooth and gradual. The startup modes are selected by a switch next to the PTO clutch switch. The PTO on the Forterra HSX can also be easily programmed to automatically turn on and off depending on the height of the three point hitch.

UPDATED WET DISC BRAKES NOW HAVE TEN DISCS, ENCLOSED IN MASSIVE BRAKE HOUSINGS AND CONSTANTLY COOLED AND LUBRICATED BY OIL FLOW FROM THE TRANSMISSION OIL PUMP. SUCH GENEROUS DESIGN MAKES PLATE WEAR SO MINIMAL THAT THE BRAKES ARE VIRTUALLY MAINTENANCE-FREE. THE HYDRAULIC BRAKE CONTROL SYSTEM DELIVERS SMOOTH BRAKE CONTROL AT FEATHERLIGHT PEDAL EFFORT. COMPARED TO PREVIOUS MODEL, BRAKE EFFICIENCY HAS BEEN INCREASED BY 25%. BRAKES ACT ON ALL FOUR WHEELS BY AUTOMATICALLY ENGAGING THE NEW FRONT WHEEL DRIVE CLUTCH WHENEVER BRAKES ARE ACTIVATED.



Zetor CAB

WIDE, COMFORTABLE CAB IS FULLY UPHOLSTERED AND HAS A NEW SOUND INSULATION LOWERING THE SOUND LEVEL BY 3 DBA. A FOLDABLE INSTRUCTIONAL SEAT IS STANDARD. THE CAB IS ACCESSIBLE FROM BOTH SIDES, EVEN WITH INSTALLED LOADER CONTROLS FOR THE ORIGINAL ZETOR SYSTEM 260SLI LOADER. THE COMFORTABLE SEAT WITH FOLDABLE ARM RESTS IS WIDELY ADJUSTABLE FOR OPERATOR'S WEIGHT, IN HEIGHT AND BACK REST ANGLE. AIR-RIDE SEAT IS STANDARD ON FORTERRA 130 AND 140 AND ALL OF FORTERRA HSX MODELS AND OPTIONAL ON FORTERRA 100, 110, AND 120.

THE CAB IS MOUNTED ON SPECIALLY DESIGNED RUBBER BLOCKS TO REDUCE SHOCK AND VIBRATIONS. CAB WITH SPRING SUSPENSION IS OPTIONAL FOR AN EXCEPTIONALLY COMFORTABLE RIDE.



Cab suspension

Tilt and telescoping steering wheel is adjustable within a wide range.



The standard dashboard includes tachometer with hour meter, water temperature gauge, air pressure gauge, fuel gauge and number of warning lamps. The multi-function digital display is also standard. It displays engine and PTO speeds, theoretical ground speed, battery voltage and other functions.

The new cab heating and air conditioning delivers more air through newly designed, more efficient filters. Charcoal filters are optional. The powerfull heater supplies warm air just minutes after the engine start, even at zero degrees outside temperature.

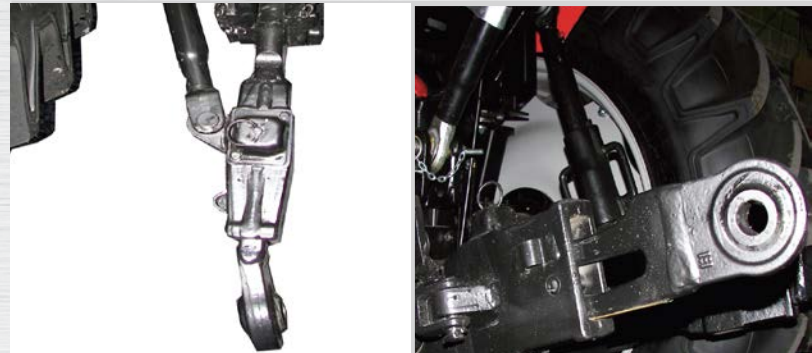
LARGE WINDOW AREA AND A NEW ROOF WINDOW ENSURE GOOD VISIBILITY OF THE FRONT AXLE AND OF THE THREE-POINT HITCH. WINDOWS ARE TINTED TO IMPROVE THE COMFORT AND CONTOURED FOR INCREASED STRENGTH AND REDUCED NOISE. REAR WINDOW IS HEATED. THE SIDE WINDOWS BEHIND THE DOORS SWING OPEN. FRONT AND REAR WIPERS AND WINDSHIELD WASHER ARE STANDARD (THE FRONT WIPER IS TWO-SPEED).

OTHER STANDARD FEATURES INCLUDE: A ROLLER SUN BLIND, TWO HEATED REAR VIEW MIRRORS, EIGHT FRONT AND FOUR REAR HALOGEN WORK LIGHTS AND CD RADIO WITH TWO SPEAKERS. NEW HIGH TRACTION FOOT STEPS, SEVERAL GRAB RAILS AND WIDE DOORS OFFER COMFORTABLE ACCESS FROM EITHER SIDE.



Zetor THREE-POINT HITCH AND HYDRAULIC SYSTEM

Standard telescopic lower link ends facilitate the implement hook up.



RUGGED AND SIMPLE OPEN CENTER HYDRAULIC SYSTEM WITH ELECTRONIC THREE-POINT HITCH CONTROLS IS EXTREMELY RELIABLE AND VERY EASY TO SERVICE. IT HAS BEEN REFINED FOR ALMOST TWO DECADES AND HAS BECOME THE MOST ADVANCED HYDRAULIC SYSTEM WE EVER BUILT. THE NEW HITCHTRONIC SOFTWARE IS UNIQUE TO ZETOR FORTERRA AND FOTRERRA HSX SERIES.

HEAVY-DUTY 3-POINT HITCH HAS LIFTING CAPACITY OF 15,500 LB. (FORTERRA SERIES) OR 18,700 LB. (FORTERRA HSX), MORE THAN EVEN THE HEAVIEST IMPLEMENTS WILL EVER REQUIRE. THE STANDARD HITCH DAMPENING FUNCTION REDUCES SHOCKS DURING TRANSPORT OF RAISED IMPLEMENTS. THE CAB PROVIDES GOOD VISIBILITY OF 3-POINT HITCH AND OF THE DRAWBAR FROM THE THE SEAT. EXTERNAL THREE-POINT HITCH PUSH-BUTTON CONTROLS ON BOTH REAR FENDERS ARE STANDARD.

Telescopic sway bars are standard. Fixed or floating positions of lower links are possible with both Cat.I and Cat.II implements. The sway bars also have built-in threaded elements. These make it possible to remove any lateral slack of the lower links, for precision guidance of three-point mounted implements.

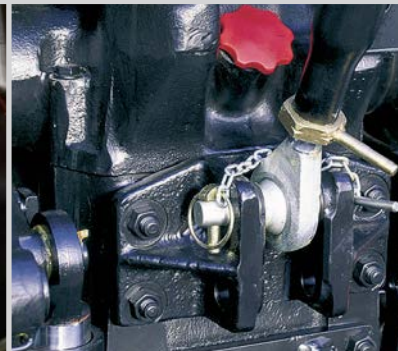


Alternatively, lower links and top link with hooks are available. These can be coupled and de-coupled from driver's seat.

To the right of the seat, at operator's fingertips, are all hydraulic control levers:

- Electronic three-point hitch controls
- Three levers for remote sets

Zetor has been pioneering use of electronic hitch controls for almost 25 years. The latest generation of three-point hitch electronic controls is extremely reliable, maintenance-free, very simple and easy to use, yet rich in features. Zetor Forterra and Forterra HSX series are the first tractors in the world with the new HitchTronic adaptive software for the proven Bosch three-point hitch system. The new system constantly analyses the soil resistance during tillage operations and automatically selects the optimum combination of position and draft controls. Field tests show that even less experienced operators will easily achieve high quality results while increasing productivity by 5% and saving typically 6% of fuel over manually controlled systems. Simply set the tillage depth on the main control knob and let the system do the rest.



Newly designed live hydraulic pump has 20 GPM capacity. The Forterra hydraulic system has been designed to deliver high pressure, to meet demanding applications of the future. In addition to the main hydraulic pump, unlike many competitors, all Forterra tractors have a separate, dedicated 7 GPM pump and hydraulic system for steering. This makes all the 20 gallons of oil supplied by the main hydraulic pump available for the 3-point hitch, for the front loader or the remotes, all the time. The main hydraulic pump, hydraulic filters, the steering pump, and even the transmission pump (controlling the power shift, power shuttle and PTO clutch) are all externally mounted so servicing is a matter of minutes, if it ever becomes necessary.

The standard three sets of remotes are very versatile and rich in features. All have quick connect (push-pull) couplers. All three remote sets have floating positions. One of the remote sets has detented pressure positions with automatic release. One of the ports is equipped with check valve, which avoids any drift caused by oil leaking back into the tractor. A direct return (zero pressure) coupler is also standard (required by most hydraulic motors).

Multiple top link mounting points allow the operator to customize the implement geometry for easier penetration into the soil.

The heavy duty drawbar is available in two versions with varying height adjustment range, to meet the needs of every farmer and any application.



Zetor SYSTEM

260 SLi Front End Loader

By pushing a latch, the stand will release and automatically adjust to the height of the terrain.

Release levers ...

THE ALL-NEW ZETOR SYSTEM 260SLI LOADER HAS BEEN DESIGNED EXCLUSIVELY FOR THE NEW SERIES ZETOR FORTERRA TRACTORS. SUCH CUSTOM DESIGN MAKES IT POSSIBLE TO OFFER A NUMBER OF FEATURES NOT FOUND ON ANY OTHER LOADERS. THESE SUPERIOR LOADERS COME AS A COMPLETE KIT, WITH ALL MATCHING HYDRAULICS INCLUDED. THE LOADER KIT INCLUDES A HEAVY DUTY JOYSTICK AND A DEDICATED LOADER VALVE, SO TRACTOR REMOTES ARE NOT OCCUPIED. BOTH THE LOADER AND THE BUCKET ARE QUICK-ATTACH, USING ZETOR'S PROVEN LATCHING SYSTEM.

True mechanical self-leveling is standard. The loader geometry, in combination with high capacity Zetor hydraulic system, delivers fast lifting times (4.3 seconds for full lift), without compromising the lifting capacity. Zetor loaders require minimum or no restriction to the front axle tight turning angle; they even allow the use of front fenders. The front bumper is standard.

Loader boom is made of high strength steel (73,000 psi). The massive reinforced torque tube is made of thick steel, and is welded into the boom through heavy reinforcement plates. Such generous design makes the loader boom extremely resistant against warpage.



... and drive away

Quick mount and unmount – in seconds and with no tools. Loader stands are adjustable in height for easy and safe parking on uneven ground. When the loader is detached, the mounting frame leaves good access for tractor maintenance. The hydraulic valve stays on tractor for multi-purpose uses.

OPTIONAL 3RD AND 4TH FUNCTION KITS ARE INTEGRATED IN THE TORQUE TUBE AND OPERATE ATTACHMENTS WITH THEIR OWN CYLINDERS BY ELECTRIC BUTTONS IN THE JOYSTICK. OPTIONAL PRESSURE ACCUMULATOR WITH MECHANICAL OR ELECTRIC SHUTOFF VALVE (CONTROLLED BY ANOTHER PUSH BUTTON IN THE JOYSTICK) REDUCES SHOCKS IN ROUGH TERRAIN.



Drive in...



The location for the heavyduty all-metal joystick was carefully selected to provide the best operator's comfort. The joystick can be quickly tilted forward to allow unrestricted access to the seat from the right side. The joystick can accommodate up to three switches to control additional functions. Zetor loaders use a high precision hydraulic valve with soft return springs, which allows for more precise joystick control (joystick moves very easily).

Each massive loader subframe is made of one piece of 1-1/4" thick steel and extends over the entire length of the tractor. Such unique design has few bolted joints, for long-term stability with little maintenance.

...roll the bucket back and bucket snaps in.

Buckets and other attachments have proven quick-attach Euro tool carrier, so there is no need to leave the seat. The latch position indicator is clearly visible from the seat. The new sloped hood improves visibility of the bucket from the seat.



All pins run in special three-layer bushings. Bushings are easily greasable with loader at ground level and replaceable.

SPECIFICATION FORTERRA

| MODEL | Units | 100 | 110 | 120 | 130 | 140 |
|------------------------------------|-------|---|--------|------------|--------|--------|
| ENGINE | | | | | | |
| Type | | 4-cylinder, 254 cu.in turbocharged diesel, water cooled, wet sleeves, 4 valves per cylinder | | | | |
| Maximum engine gross horsepower | HP | 98 | 108 | 118 | 128 | 137 |
| Maximum engine net horsepower | HP | 92 | 102 | 112 | 122 | 131 |
| Rated Speed | rpm | 2200 | | | | |
| Alternator capacity | Amp | 100 | | | | |
| Cold weather starting system | | Glow plug in each cylinder | | | | |
| Standard fuel tank capacity | gal | 48 | | | | |
| CLUTCH | | | | | | |
| Type | | Dry, 14" dia., heavy duty cerametallic disc | | | | |
| Clutch control | | Hydraulic, self-adjusting | | | | |
| TRANSMISSION | | | | | | |
| Type | | Fully synchronized with synchro-shuttle and three-speed power shift | | | | |
| Forward/reverse gears | | 24/18 | | | | |
| P.T.O. SHAFT | | | | | | |
| Type | rpm | Independent, 540/540E/1000/1000E or 540/1000; electro-hydraulic speed change | | | | |
| Ground Speed P.T.O. | | Standard with 540/1000 version | | | | |
| BRAKES | | | | | | |
| Type | | Wet disc brake | | | | |
| Service brake control | | Hydraulic | | | | |
| Parking brake control | | Mechanical | | | | |
| HYDRAULIC SYSTEM | | | | | | |
| Type | | Open center; Electronic control | | | | |
| Flow @ pressure at remotes | | 20 gpm @ 2,900 psi | | | | |
| Total hydraulic flow | gpm | 27 | | | | |
| Three-point hitch | | Category II or Category IIIN | | | | |
| Function | | Position, draft, mixed, AHC (Adaptive Hitch Control) | | | | |
| Lifting force @ end of lower links | lbs. | 15,500 | | | | |
| Lifting force @ 24" frame | lbs. | 13,200 | | | | |
| Standard remote outlets | sets | 3 | | | | |
| MAIN DIMENSIONS | | | | | | |
| Wheelbase | in. | 98 | | | | |
| Length | in. | 170 | | | | |
| Width (cab foot steps) | in. | 87 | | | | |
| Height to top of cab | in. | 109 | | | | |
| Ground clearance without hitch | in. | 19 | | | | |
| Standard front tyres | | 14,9 R24 | | | | |
| Standard rear tyres | | 18,4 R38 | | 520/70 R38 | | |
| Wheel Track - Front | in. | 67.5 - 80 | | | | |
| Wheel Track - Rear | in. | 62 - 71 | | | | |
| Turning radius (w/o brakes) | ft. | 12.3 | | | | |
| WEIGHT, w/o weights | lbs. | 10,680 | 10,700 | 10,710 | 10,780 | 10,790 |

OPTIONS

- Block heater
- Air suspension seat (Forterra 100, 110, 120)
- Front and rear weights
- Front PTO and front 3point hitch with quick-detach lower links, compatible with Zetor 260SLi front loader
- Roof beacon (quick plug-in on flexible mount)
- Cab with spring suspension
- Swing-style front fenders
- Fuel tank shield
- High performance, quick-attach loader Zetor system 260SLi with self-leveling

STANDARD EQUIPMENT

- Power rear differential lock and front wheel drive engagement
- Limited slip front differential
- Ground speed PTO
- Telescopic sway bars with fine adjustment
- Telescopic lower links or lower links with hooks
- Deluxe seat with with mechanical suspension, multiple adjustment and arm rests (Forterra 100, 110, 120)
- Air suspension seat (Forterra 130, 140)
- Instructional seat
- Tilt and telescoping steering wheel
- Tinted windows
- Front and rear wipers
- Windshield washer
- Heated rear window
- Heated rear view mirrors
- Roller sun blind
- Sun window
- Multi-function digital display
- dashboard
- Front fenders
- Three sets of remote outlets (one set with detented pressure positions, built-in check valve and automatic pressure release)
- Air conditioning
- Eight front and four rear halogen lights
- CD radio with two speakers and remote control

SPEED CHART OF ZETOR FORTERRA

AT ENGINE SPEED 2200 (mph)

| ROAD SPEEDS | | FORWARD | REVERSE | REDUCED SPEEDS | |
|-------------|------------------|-----------|---------|----------------|------|
| speed gear | multiplier stage | 18,4 - 38 | | 18,4 - 38 | |
| 4 | H | 23.68 | | 5.76 | |
| | M | 20.50 | | 4.93 | |
| | L | 17.68 | | 4.25 | |
| 3 | H | 16.56 | 19.12 | 4.00 | 4.62 |
| | M | 14.31 | 16.56 | 3.43 | 4.00 |
| | L | 12.37 | 14.31 | 3.00 | 3.43 |
| 2 | H | 10.93 | 12.62 | 2.62 | 3.06 |
| | M | 9.43 | 10.93 | 2.25 | 2.62 |
| | L | 8.18 | 9.43 | 1.93 | 2.31 |
| 1 | H | 7.06 | 8.18 | 1.68 | 2.00 |
| | M | 6.12 | 7.06 | 1.50 | 1.68 |
| | L | 5.31 | 6.11 | 1.25 | 1.43 |

Available Bucket Sizes: 73 in., 84 in., 94 in. Standard features: Quick-attach loader boom; Quick-attach buckets; Mechanical self-leveling; Power-beyond hydraulic valve, cable-controlled by heavy duty joystick; Full length mounting frames, welded in one piece on each side; Replaceable bushings at all pivot points

Options: Shock absorber with mechanical or electric shutoff valve; Third and fourth hydraulic functions

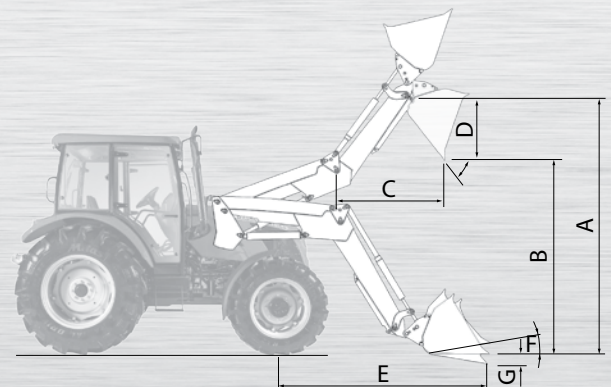
All tools are identical and interchangeable with tools used on all other Zetor system loaders. Sets of blank plates are available to make non-Zetor attachments compatible with Zetor „Euro“ quick-attach system.

Other available attachments:

- Manure Forks (59 in. wide, 27 in. long tines)
- Bale lift (3 spear) with easy penetrating top spear (44 in.)
- Pallet Forks (44" long) with heavy duty forged forls

ZETOR SYSTEM 260 SLi FRONT END LOADER

| | | |
|---|------------------------------------|-------|
| A | Maximum Lift Height (in.) | 155 |
| B | Clearance with Bucket Dumped (in.) | 120 |
| C | Reach at Maximum Height (in.) | 26 |
| D | Maximum Dump Angle (deg) | 70 |
| E | Reach on Ground (in.) | 101 |
| F | Bucket Rollback Angle (deg) | 42 |
| G | Digging Depth (in.) | 3 |
| Lift Capacity to Full Height (lb.): - at pivot points | | 4,070 |
| - 31.5" ahead of pivot | | 2,750 |
| Breakout Force (lb.): - at pivot points | | 5,830 |
| - 31.5" ahead of pivot | | 3,800 |
| Raising Time w/19 gpm Pump (sec) | | 5 |
| Weight with 83" Bucket (lb.) | | 3,050 |



Specifications measured on model Forterra 110 with tires 14.9R-24 and 18.4R-38.

*) Bucket at 45 deg. angle

SPECIFICATION FORTERRA HSX

| MODEL | Units | 100 | 110 | 120 | 130 | 140 |
|------------------------------------|-------|---|--------|------------|--------|--------|
| ENGINE | | | | | | |
| Type | | 4-cylinder, 254 cu.in turbocharged diesel, water cooled, wet sleeves, 4 valves per cylinder | | | | |
| Maximum engine gross horsepower | HP | 98 | 108 | 118 | 128 | 137 |
| Maximum engine net horsepower | HP | 92 | 102 | 112 | 122 | 131 |
| Rated Speed | rpm | 2200 | | | | |
| Alternator capacity | Amp | 100 | | | | |
| Cold weather starting system | | Glow plug in each cylinder | | | | |
| Standard fuel tank capacity | gal | 63 | | | | |
| CLUTCH | | | | | | |
| Type | | Wet multi-disc clutch | | | | |
| TRANSMISSION | | | | | | |
| Type | | Fully synchronized with electro-hydraulic power shuttle and three speed power shift with manual or automatic shifting | | | | |
| Forward/reverse gears | | 30/30 | | | | |
| P.T.O. SHAFT | | | | | | |
| Type | rpm | Independent, 540/540E/1000/1000E or 540/1000; electro-hydraulic speed change | | | | |
| Ground Speed P.T.O. | | Standard with 540/1000 version | | | | |
| BRAKES | | | | | | |
| Type | | Wet disc brake | | | | |
| Service brake control | | Hydraulic | | | | |
| Parking brake control | | Mechanical | | | | |
| HYDRAULIC SYSTEM | | | | | | |
| Type | | Open center; Electronic control | | | | |
| Flow @ pressure at remotes | | 20 gpm @ 2,900 psi | | | | |
| Total hydraulic flow | gpm | 27 | | | | |
| Three-point hitch | | Category II | | | | |
| Function | | Position, draft, mixed, AHC (Adaptive Hitch Control) | | | | |
| Lifting force @ end of lower links | lbs. | 18,700 | | | | |
| Lifting force @ 24" frame | lbs. | 16,200 | | | | |
| Standard remote outlets | sets | 3 | | | | |
| MAIN DIMENSIONS | | | | | | |
| Wheelbase | in. | 102 | | | | |
| Length | in. | 175 | | | | |
| Width (cab foot steps) | in. | 87 | | | | |
| Height to top of cab | in. | 109 | | | | |
| Ground clearance without hitch | in. | 19 | | | | |
| Standard front tyres | | 14,9 R24 | | | | |
| Standard rear tyres | | 18,4 R38 | | 520/70 R38 | | |
| Wheel Track – Front | in. | 67.5 – 80 | | | | |
| Wheel Track – Rear | in. | 62 – 71 | | | | |
| Turning radius (w/o brakes) | ft. | 12.3 | | | | |
| WEIGHT, w/o weights | lbs. | 10,690 | 10,710 | 10,720 | 10,790 | 10,800 |

OPTIONS

- Block heater
- Front and rear weights
- Front PTO and front 3point hitch with quick-detach lower links, compatible with Zetor 260SLi front loader
- Roof beacon (quick plug-in on flexible mount)
- Fuel tank shield
- Cab with spring suspension
- Swing-style front fenders

STANDARD EQUIPMENT

- Power rear differential lock and front wheel drive engagement
- Limited slip front differential
- Ground speed PTO
- Telescopic sway bars with fine adjustment
- Telescopic lower links or lower links with hooks
- Air suspension seat with multiple adjustment and arm rests
- Instructional seat
- Tilt and telescoping steering wheel
- Tinted windows
- Front and rear wipers
- Windshield washer
- Heated rear window
- Heated rear view mirrors
- Roller sun blind
- Sun window
- Front fenders
- Multi-function digital display dashboard
- Three sets of remote outlets (one set with detented pressure positions, built-in check valve and automatic pressure release)
- Air conditioning
- Eight front and four rear halogen lights
- CD radio with two speakers

SPEED CHART OF ZETOR FORTERRA HSX

AT ENGINE SPEED 2200 (mph)

| ROAD SPEEDS | | FORWARD | REVERSE | REDUCED SPEEDS | |
|-------------|------------------|-----------|---------|----------------|------|
| speed gear | multiplier stage | 18.4 – 38 | | 18,4 – 38 | |
| 5 | H | 23.68 | 27.43 | 5.75 | 6.62 |
| | M | 20.50 | 23.68 | 4.93 | 5.75 |
| | L | 17.68 | 20.50 | 4.31 | 4.93 |
| 4 | H | 16.56 | 19.12 | 4.00 | 4.62 |
| | M | 14.31 | 16.56 | 3.43 | 4.00 |
| 3 | L | 12.37 | 14.31 | 3.00 | 3.43 |
| | H | 10.93 | 12.60 | 2.62 | 3.06 |
| | M | 9.43 | 10.93 | 2.25 | 2.62 |
| 2 | L | 13.1 | 9.43 | 2.00 | 2.31 |
| | H | 8.18 | 8.81 | 1.87 | 2.12 |
| | M | 6.26 | 7.62 | 1.56 | 1.81 |
| 1 | L | 5.70 | 6.32 | 1.37 | 1.56 |
| | H | 5.58 | 6.43 | 1.31 | 1.56 |
| | M | 4.82 | 5.57 | 1.18 | 1.31 |
| | L | 4.16 | 4.81 | 1.00 | 1.18 |

Available Bucket Sizes: 73 in., 84 in., 94 in. Standard features: Quick-attach loader boom; Quick-attach buckets; Mechanical self-leveling; Power-beyond hydraulic valve, cable-controlled by heavy duty joystick; Full length mounting frames, welded in one piece on each side; Replaceable bushings at all pivot points

Options: Shock absorber with mechanical or electric shutoff valve; Third and fourth hydraulic function.

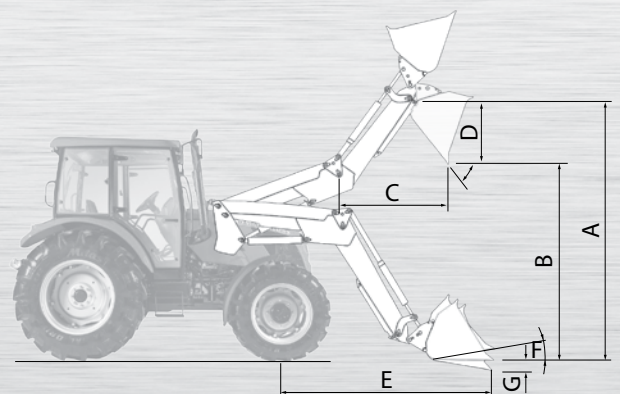
All tools are identical and interchangeable with tools used on all other Zetor system loaders. Sets of blank plates are available to make non-Zetor attachments compatible with Zetor „Euro“ quick-attach system.

Other available attachments:

- Manure Forks (59 in. wide, 27 in. long tines)
- Bale lift (3 spear) with easy penetrating top spear (44 in.)
- Pallet Forks (44“ long) with heavy duty forged forls

ZETOR SYSTEM 260 SLi FRONT END LOADER

| | | |
|---|------------------------------------|-------------------|
| A | Maximum Lift Height (in.) | 155 |
| B | Clearance with Bucket Dumped (in.) | 120 ^{*)} |
| C | Reach at Maximum Height (in.) | 26 ^{*)} |
| D | Maximum Dump Angle (deg) | 70 |
| E | Reach on Ground (in.) | 101 |
| F | Bucket Rollback Angle (deg) | 42 |
| G | Digging Depth (in.) | 3 |
| Lift Capacity to Full Height (lb.): - at pivot points | | 4,070 |
| - 31.5" ahead of pivot | | 2,750 |
| Breakout Force (lb.): - at pivot points | | 5,830 |
| - 31.5" ahead of pivot | | 3,800 |
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Specifications measured on model Forterra HSX 110 with tires 14.9R-24 and 18.4R-38.

*) Bucket at 45 deg. angle



Zetor **PARTS AND WARRANTY**

To ensure the full productivity of your investment, all Zetor tractors are supported by a full line of parts, constantly in stock in the main parts warehouse in Jacksonville, Florida. This applies not only to current models, but to any Zetor model ever sold in U.S., even those sold 30 or more years ago. Zetor parts system means that our customers will always get original, genuine parts at reasonable prices. Every business day, replacement parts are shipped within 6 hours after an order has been placed. Standard delivery is 1 to 3 business days (depending on destination) at low ground rates (coast-to-coast, U.S. and Canada). Overnight delivery is, of course, also available, coast-to-coast. And every Zetor is covered by five year limited warranty, with no deductibles. See one of the growing family of Zetor dealers and find out how affordable Zetor tractors are. You will be able to enjoy the Forterra advanced features, and still save thousands of dollars, both in purchase price and in fuel savings.

ZETOR TRACTORS



Founded in 1946, Zetor has grown into one of the best known tractor manufacturers in Europe. More than a million Zetor tractors are in use in almost 100 countries around the world. For more than 40 years, Zetor has been present in North America and over 30,000 have been sold here. The quality of Zetor tractors is assured by designing, manufacturing and assembling most components at the main Zetor plant in Brno, Czech Republic, a country with 100+ year tradition of advanced engineering. Zetor strategy has always been based on practical innovation and gradual introduction of new features, only after they have proven themselves. Zetor customers are demanding and value-conscious professionals who want well-built tractors at affordable prices, backed by quality services. A thorough comparison of competitive brands cost-feature relation shows that Zetor is a leader in providing value for the money.

www.zetorna.com

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