

Zetor

ZETOR TRACTORS



Tractor is Zetor. Since 1946.

FROM THE VERY BEGINNING,
THE ZETOR BRAND
HAS BEEN RECOGNIZED FOR:

PERFORMANCE

ZETOR tractors have always been designed for the best possible combination of engine power and tractor weight, to maximize the performance and fuel economy.

ENDURANCE

ZETOR emphasizes simple, smart and useful design. This is the key to outstanding reliability and simple maintenance.

TOTAL COST OF OWNERSHIP

ZETOR tractors rank among the best in fuel consumption. In the long run, everyone will appreciate reliable availability of reasonably priced spare parts. All that will reduce the operational costs.

PRODUCT RANGE



ZETOR UTILIX

40-50 HP



ZETOR HORTUS

60-70 HP



ZETOR GLOBAL range

50-80 HP



ZETOR MAJOR

70-80 HP



ZETOR PROXIMA

90-120 HP



ZETOR FORTERRA

130-150 HP

UTILIX range

PERFECT ALL-ROUNDER

New ZETOR UTILIX represents compact tractor which is ideal for work at small farms, municipality, parks and gardens, sport facilities and for many other purposes.

The tractor offers excellent maneuverability with small turning radius.

ENGINE

ZETOR UTILIX serie offers two models equipped by 43 HP and 49 HP engines. 4 cylinder liquid-cooled diesel engines meet latest emission standards so they do not harm the environment or the health of the users.

TRANSMISSION

ZETOR UTILIX is available with two types of gearboxes. UTILIX CL features a synchronized manual gearbox with 16-speed forward and 16-speed reverse (four gears in four speed ranges).

ZETOR UTILIX HT employs fully-automated hydrostatic transmission with a 3 range speed control. Thus, speed can be controlled with two pedals (forward and reverse) without the need of mechanical shifting. This solution offers comfortable and simple control of the tractor.

HYDRAULICS AND 3-POINT HITCH

The lift capacity of 1,500 kg provides the sufficient power to control the rear implement. Two pairs of hydraulic couplings are located at the rear and two extra pairs are available also under the cab for connection of front-mounted implements and are controlled by factory-installed joystick.

COMFORTABLE CAB

The cabin is both spacious and ergonomic with conveniently located levers, joystick, and controls. Cab is equipped with ergonomic and spacious operator seat and air condition. The practical joystick enables easy control of front loader and aggregated machines and tools. The UTILIX CL model is available also in open station version.





UTILIX

		UTILIX CL		UTILIX HT	
MODEL	UNITS	45	55	45	55
ENGINE					
Engine	•	Perkins 404D-22 (Stage IIIA)			
Power (2000/25/EC)	kW	31.4	36.3	31.4	36.3
	HP	42.7	48.7	42.7	48.7
Rated Speed	rpm	2,600	2,800	2,600	2,800
Displacement	cm³	2,216			
TRANSMISSION					
Type	•	Mechanical (synchronized)		Hydrostatic	
Number of Gears (F/R)	•	16/16 (4 Gears in 4 Ranges)		Infinite (3 Ranges)	
Reverser	•	Mechanical (synchronized)		—	
Max. Speed	km/h	29.4	31.7	28.4	28.4
Min. Speed	km/h	0.61	0.65	6.19	6.67
PTO					
Type	•	Independent (540/1,000)			
Control	•	Electrohydraulic			
HYDRAULICS					
Type	•	Dual Gear Pump			
Implement pump cap.	l/min	33.5	36.5	33.5	36.5
Steering pump cap.	l/min	17.5	19.2	17.5	19.2
Maximum total flow	l/min	51.7	55.7	51.7	55.7
Hydraulic remotes (Quickcouplers)	•	Rear: 4 (2 pairs) Under cab for front implements: 4 (2 pairs)			
THREE-POINT HITCH					
Control	•	Mechanical (Position / Draft), Category I			
Max. Lift Capacity	kN	15			
Lifting Capacity (at 24 inch. behind link ends)	kN	13			
CAB¹					
Heating / Air-Conditioning	•	Standard / standard			
Radio	•	Standard			
Steering Wheel	•	Adjustable			

MODEL	UNITS	UTILIX CL		UTILIX HT	
		45	55	45	55
UNDERCARRIAGE					
Drive System	•	4WD			
Fuel tank	l	60			
OTHER SPECIFICATION					
Total Weight ²	kg	1,900			
Front Ballast	kg	Standard (6 × 28 kg)			
Length	mm	3,590			
Width ³	mm	1,870 with industrial wheels / 1,620 with agricultural wheels			
Height ^{2,3}	mm	2,530			
Wheelbase	mm	1,935			
Min. Turning Radius (with brakes) ³	mm	3,352			
WHEELS					
Industrial Wheels (Rear × Front) ^{STD}	•	12-16.5 × 17.5L-24			
Agricultural Wheels (Rear × Front) ^{OPT}	•	240/70 R16 × 320/70 R24			

Other optional equipment: Front Mudguards, Pneumatic Trailer Brakes 2+1, MultiStage Hitch, Front TPH with hydraulic couplings.

^{OPT} Optional, ^{STD} Standard, ¹ not-valid for open station version, ² Specification of UTILIX CL open station: Height 2,594 mm, Total weight 1,710 kg, ³ Dimensions depends on the wheels size.



HORTUS range

PERFECT ALL-ROUNDER

ZETOR HORTUS represents utility tractor which is ideal for work at small farms, municipality, parks and gardens, sport facilities and for many other purposes.

ENGINE

The engine with the power of 67 HP with Common Rail injection system is outstanding for its low fuel consumption, reliability and simple construction. The current emission level is reached only by using an oxidation catalyst (DOC) without the need of using a DPF or urea. With a 70 liter tank, the Hortus is ready for many hours of use on the field before the next refuel.

TRANSMISSION

HORTUS transmission offers 4 gears and 3 ranges with an additional creeper gear for a total of 24 forward and 24 reverse speeds, enabling you to select the right speed for your work needs.

HORTUS CL offers mechanical reverser, HORTUS HS is equipped with hydraulic reverser (PowerShuttle), which brings better comfort for your daily work.

HYDRAULICS AND 3-POINT HITCH

Category II hitches with a hitch lift capacity of 1,937 kg and two standard rear remote valves allow HORTUS to be equipped with a various assortment of rear implements. Two pairs of hydraulic couplings are located at the rear and two extra pairs are available also under the cab for connection of front-mounted implements and are controlled by factory-installed joystick.

COMFORTABLE CAB

The cabin is both spacious and ergonomic with conveniently located levers, joysticks, and controls. The cabin is equipped with air condition.





HORTUS

MODEL	UNITS	HORTUS CL 65		HORTUS HS 65	
ENGINE					
Engine	•	DEUTZ TCD 2.9 L4 (Stage IIIB)			
Power (2000/25/EC)	kW	50			
	HP	67			
Rated Speed	rpm	2,200			
Displacement	cm³	2,900			
TRANSMISSION					
Type	•	Mechanical			
Number of Gears (F/R)	•	24/24			
Reverser	•	Mechanical (SynchroShuttle)		PowerShuttle (Electrohydraulic)	
Max. Speed / Min. Speed	km/h	39.15 / 0.39			
PTO					
Type	•	Independent (540/750/1,000)			
Control	•	Electrohydraulic			
HYDRAULICS					
Type	•	Dual Gear Pump			
Implement pump cap.	l/min	39.1			
Steering pump cap.	l/min	22			
Maximum total flow	l/min	61.1			
Hydraulic remotes (Quickcouplers)	•	Rear: 4 (2 pairs) Under cab for front implements: 4 (2 pairs)			
THREE-POINT HITCH					
Control	•	Mechanical control (Position / Draft)			
Type	•	Category II			
Max. Lift Capacity	kN	19			
Lifting Capacity (at 24 inch. behind link ends)	kN	14			
CAB					
Heating / Air-Conditioning	•	Standard / standard			
Radio	•	Standard			
Steering Wheel	•	Adjustable			

MODEL	UNITS	HORTUS CL 65	HORTUS HS 65
UNDERCARRIAGE			
Drive System	•	4WD	
Trailer brakes ^{OPT}	•	Pneumatic 2+1	
Fuel tank	l	70	
Front Mudguards	•	Optional	
OTHER SPECIFICATION			
Total Weight	kg	2,550	
Front Ballast	kg	Standard (8×32 kg)	
Length ¹	mm	3,982	
Width ¹	mm	1,869	
Height ¹	mm	2,575	
Wheelbase	mm	2,155	
Min. Turning Radius (with brakes)	mm	3,590	
WHEELS			
Wheels (Front × Rear)	•	280/85 R20 × 380/85 R30	

^{OPT} Optional, ¹ Dimensions depends on the size of wheels



ZETOR GLOBAL range

RELIABILITY & DURABILITY

Easy to use tractors with easy maintenance and high reliability are ready to be used all over the world.

Tractors from GLOBAL RANGE were developed to work in the most difficult conditions at low operating cost and with minimum maintenance.

ENGINE

Tractor is equipped by three or four cylinder engines complying with the emission level Bharat Stage IIIA / Stage IIIA. Above all, they are specific in superior power as well as easy maintenance and low operating costs.

GEARBOX

The gearbox can be synchronised or partially synchronised with number of speeds 8/2 or 12/12.

HYDRAULICS

All models employ mechanically regulated hydraulics, featuring two lever, automatic Draft and Position control with mix control. Maximum lifting capacity reaches 2 600 kg.

DESIGN

Simple and smart design enables good access to all important parts and their easy maintenance. Cabrio version of the tractor is equipped by canopy with ROPS for operator protection. Tractor is equipped by mobile charger, tool kit and farmer kit.





ZETOR GLOBAL

MODEL	UNITS	1050	1060	1075	1175
ENGINE					
Power	HP	49	58	74	
Emission Norm	•	BHARAT (TREM) STAGE IIIA			
Type	•	Direct Injection		Direct Injection, Turbo charged & Intercooled	
Displacement	cm³	2858	4088		
Maximum Torque	Nm	180	225	295	
No. of Cylinders	•	3	4		
Bore/Stroke	•	105/110	105/118		
Rated Speed	RPM	2200			
Air Cleaner	•	Dry Type			
Fuel Pump	•	Inline (Bosch)			
Cooling System	•	Water cooled			
TRANSMISSION					
Clutch System	•	Dual			Double
Gear Box Type	•	Constant-Mesh			Syncro-Mesh (Carraro)
Number of Gear Speeds	•	8 Forward + 2 Reverse			12 Forward + 12 Reverse
HYDRAULICS					
Hydraulic Pump Type/Capacity	l/min	Gear Type 24l/min			
Lifting Capacity at Lower Link ends	kg	1400	1800	2400	2500
Hydraulic	ADDC	Two lever, automatic Draft and Position control with mix control			
Three Point Linkage	•	Category II			
Hydraulic Quick Coupling	•	2			4
PTO					
PTO Speed (RPM) & Splines	•	540, 6 splines			540 and 1000, 6 splines
CANOPY & ROPS					
Canopy	HP	Without CANOPY/With CANOPY + ROPS			
Driver's Seat	•	Adjustable with seat belt			
Steering	•	Hydrostatic Power Steering			

MODEL	UNITS	1050	1060	1075	1175			
OTHER PARAMETRES								
Drive	•	2WD	2WD	4WD	2WD	4WD	2WD	4WD
Fuel Tank Capacity	l	63						
Brake Type WET	•	Oil Immersed Multiple discs						
Tyre	Front	6,0×16	7,5×16	9,5×24	7,5×16	11,2×24	7,5×16	11,2×24
	Rear	13,6×28	14,9×28	16,9×28	16,9×30	16,9×30	16,9×30	16,9×30
Length	mm	3750	3810	3990	3830	3970	3900	4000
Width	mm	1810	1950	1940	1980	1990	1940	1990
Height - upto steering	mm	1710	1710	1710	1710	1710	1790	1845
Minimum Ground Clearance	mm	380	410	380	410	390	410	410
Minimum Turning Radius	m	4,0	3,6	4,25	4,5	4,5	4,5	4,5
Weight	kg	2160	2270	2740	2530	2770	2660	2960
Others	•	<ul style="list-style-type: none">• Differential lock• MRF Tyre• Mobile charger• Base weight with front weight (4 hanging)• Tool kit & Farmer kit	<ul style="list-style-type: none">• Differential lock• MRF Tyre• Mobile charger• Re-inforced mounting bracket• Rotating toe hook• Swinging draw bar• Mirror on both side• Base weight with front weight (4 hanging)• Tool kit & Farmer kit	<ul style="list-style-type: none">• Differential lock• MRF Tyre• Mobile charger• Re-inforced mounting bracket• Rotating toe hook• Swinging draw bar• Mirror on both side• Base weight with front weight (6 hanging)• Rear weight on each rear wheel• 4 lights at the ROPS• 3 point linkages• Tool kit & Farmer kit				



MAJOR range

LITTLE HELPER FOR BIG CHALLENGES

Reliable tractor of mid-power range with outstanding price/performance ratio.

A universal wheeled farm tractor, intended for working with agricultural implements, industrial aggregates and for agricultural transport. It has been designed to honour the basic pillars of the ZETOR brand. With its power category of 80 HP, ZETOR MAJOR builds on one of the most successful models in ZETOR's history.

This reliable, efficient and easy-to-maintain model has already acquired the reputation of a tractor that has been in service for a lifetime. These qualities, and the excellent price-to-power ratio, are appreciated mainly by owners of family and smaller farms.

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, great reliability, and low maintenance and service requirements.

GEARBOX

MAJOR tractors are equipped with a synchro shuttle, a four-speed, fully synchronized gearbox and a three-speed reducer. The number of speeds is 12/12.

HYDRAULICS

The MAJOR model employs mechanically regulated hydraulics, featuring not only high lifting capacity but also smooth starting control, including a hydraulic lock function for transporting implements. The tractor is equipped with either one or two hydraulic quick couplings, and a waste return for driving hydraulic motors.

CAB

The cab is comfortable and designed with regard to practical use. Plenty of space and ergonomically designed controls facilitate the work of the tractor operator. The cab has a hatch to simplify work with a front loader, and it can be equipped with air-conditioning as an option.

ZETOR MAJOR is also available in open station version (without cab).





MAJOR

MODEL	UNITS	MAJOR 80
ENGINE		
Type Stage III A	•	ZETOR 1105
Homologated Power (2000/25/EC)	kW/HP	55.6/76
Rated Speed	rpm	2,200
No. of Cylinders	•	4
No. of Valves	•	8
Aspiration	•	Turbocharged
Bore/Stroke	mm	105 / 120
Displacement	cm³	4,156
Max. Torque (2000/25/EC) / Torque reserve (ECE R24)	Nm / %	317/35
TRANSMISSION		
Type	•	Mechanical
Shifting	•	Fully synchronized
No. of Gears (forward/reverse)	•	12/12 (4 Mechanical gears with 3 ranges)
Speed	kph	30
PTO		
Rear PTO type	•	Ground speed/independent
Rear PTO Revolutions	rpm	540 / 1,000
Front PTO Revolutions ^{OPT}	rpm	1,000
Max. Power of Front PTO ^{OPT}	kW	35
HYDRAULICS		
Type	•	Mechanical with positional and power regulation
3 Point Hitch	•	Category II
Lift Capacity at the end of Lower Links	kN	24
Lift Capacity of 3PH in the entire range of links	kN	23
Operating Pressure	MPa	18
Hydraulic Pump Capacity	l/min.	50
Hydraulic Outputs (Quickcouplers)	•	2+1 or 4+1 ^{OPT}
Hitch System	•	Swinging drawbar ^{OPT} , quick adjustable hitch ^{OPT}
CABIN		
Cab version	•	Cabin or open station
Roof protection	•	Cabin: standard roof or protective roof FOPS ^{OPT} Cabrio: with ROPS frame or with ROPS frame and canopy
Seat	•	Mechanical suspension
Steering Wheel	•	Adjustable

MODEL	UNITS	MAJOR 80
OTHER SPECIFICATIONS		
Steering	•	Hydrostatic
Travelling/Parking Brakes	•	Wet, disc, mechanical control/mechanical control
Trailer Brakes ^{OPT}	•	Air (1 hose) or hydraulic
Drive System	•	4WD
Max. Front Ballast ^{OPT}	kg	266
Max. Rear Wheel Ballast ^{OPT}	kg	256
Tank Volume	l	83
Pre-Wiring for Radio	•	Standard (for cabin version)
DIMENSIONS		
Weight (cab version) *	kg	3,090
Length (overall)	mm	4,212
Width over Rear Mudguards	mm	1,860
Height to Exhaust Mouth	mm	2,656
Wheelbase	mm	2,210
Front Wheels 4WD	•	11.2–24
Rear Wheels 4WD	•	16.9–30

* Depended on ballasts and optional items
^{OPT} Optional

OTHER OPTIONAL EQUIPMENT

- connecting shaft cover
 - compressor
 - flash beacon
 - mudguards
 - front three point hitch
- front PTO
 - cardan shaft
 - additional quick couplings – 2 (pairs) + 1
 - air trailer brakes – 1 hose
 - air-conditioning



✓ PROXIMA range

The most popular ZETOR tractors, the **PROXIMA** series, have achieved popularity thanks to their versatility, reliability and robust design. The series meets exacting customer demands in farming and forestry as well as municipal services. With regard to high flexibility, options include versions with or without a cab.

In addition, **PROXIMA** models offer multiple gearbox variants to match their practical use and customer needs.

Unlike other **PROXIMA** models, **PROXIMA Plus** tractors have greater engine power and a more modern gearbox design for more effective work.

PROXIMA Power models have the most modern gearbox design in the **PROXIMA** family and meet high customer demands for versatility, comfort, safety and 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

Gearboxes for the **PROXIMA** series are manufactured right at the ZETOR TRACTORS a.s. manufacturing facility. Making them in-house enables significant control over quality, design and a considerable variability in the available options. The use of high-quality materials ensures great endurance and a long service life.

Gearboxes for standard **PROXIMA** models are the most universal and operate mechanically only. They are manufactured in several versions.

PROXIMA is the only model offering creep gears – in the 20/4 version – and has the lowest travelling speed

0.22 kph (at 2,200 rpm rated engine speed). Thanks to their simplicity and minimum breakdown rate, they are perfectly suited for hard work.

PROXIMA Plus is an option for customers seeking a more modern design, greater power and comfort. This version contains 16/16 speeds with a two-stage torque multiplier.

PROXIMA Power offers the highest level of power in the **PROXIMA** family, featuring 24 forward and reverse speeds, a three-stage torque multiplier and the modern Powershuttle design for increased comfort – changing the direction of travel under load.

HYDRAULICS

The Bosch electro-hydraulic system is fitted with the HitchTronic function, a unique system to automatically control the rear three-point hitch. When using this system, there is no need to set up different types of regulation or combinations. Only the implement working depth is set. When the implement attached to the rear three-point hitch reaches the set depth, the control system measures soil resistance, and this value is used as the initial value for the automatic hitch control.

PROXIMA

		PROXIMA		PROXIMA PLUS	PROXIMA POWER
MODEL	UNITS	90	100	110	120
ENGINE					
Type Stage III A	•	1205	1005	1305	1405
Emission level	•	Stage IIIA			
Homologated Power (2000/25/EC)	kW	64.3	70.3	78.4	86.2
Homologated Power (2000/25/EC)	HP	87	96	106	117
Rated Speed	rpm	2,200			
Number of Cylinders	•	4			
Number of Valves	•	8			
Aspiration	•	Turbocharged			
Bore/Stroke	mm	105/120			
Displacement	cm³	4,156			
Cooling	•	Viscous fan clutch			
Max. Torque (2000/25/EC)	Nm	370	429	461	493
Improvement of torque (ECE R24)	%	38	46	40	37
GEARBOX					
Type	•	Mechanical /synchro shuttle		Mechanical with 2-stage multiplier, synchro shuttle	Mechanical with automatic 3-stage multiplier, electro-hydraulic synchro shuttle
Reverser	•	Mechanical shifting, synchronized			
Shifting	•	Fully synchronized			
No. of Gears (forward/reverse)	•	10/2; 12/12 ^{OPT} or with 20/4 creeper ^{OPT}		16/16	24/24
Speed	kph	30 or 40 ^{OPT}		40 or 30 ^{OPT}	40
PTO					
Type	•	Independent and ground speed			
PTO Clutch type	•	Dry friction clutch		Wet multi-plate clutch	
Rear PTO Revolutions	•	540/1,000 or 540/540E ^{OPT}			
Front PTO Revolutions ^{OPT}	•	1,000			
Max. Power of Front PTO ^{OPT}	kW	45		60	
HYDRAULICS					
Type	•	Mechanically controlled – D. M. P.		Mechanically controlled – D. M. P.; Electro-hydraulic control ^{OPT}	
Three-Point Hitch	•	Category II			
Control	•	Mechanical		Mechanical / electronic (HitchTronic ^{OPT})	
Max. Lift Capacity	kN	45			
Lift capacity in the entire range of links	kN	42			
Operating Pressure	MPa	19			
Pump Capacity	l*min ⁻¹	50; 60 ^{OPT}			
Hydraulic Outputs (Quickcouplers)	•	2+1, 4+1 ^{OPT} or 6+1 ^{OPT}		4+1, 6+1 ^{OPT} or 8+1 (only with electro-hydraulic control) ^{OPT}	
Hitches	•	Modular CBM hitch system with multistage hitch			

MODEL	UNITS	PROXIMA		PROXIMA PLUS	PROXIMA POWER
		90	100	110	120
CAB					
Cab version	•	Cabin or open station		Cabin	
Roof protection	•	Cabin: standard roof or protective roof FOPS ^{OPT} Open station*: without frame or with frame and cannopy			
Seat	•	ZETOR seat; ZETOR seat with mechanical/ pneumatical suspension ^{OPT}			
Passenger Seat ^{OPT}	•	With or without safety belt			
Steering Wheel	•	Fixed or Tilttable and telescopic ^{OPT}			
Air-Conditioning	•	Manual ^{OPT}			
OTHER SPECIFICATIONS					
Drive System	•	4WD			
Steering	•	Hydrostatic			
Operating/Parking Brakes	•	Wet disc, hydraulically operated / mechanically operated			
Front Brakes	•	By connecting front driven axle		Wet disc brakes in wheels	
Trailer Brakes	•	1+2 hose pneumatic ^{OPT} or hydraulic ^{OPT}			
Max. Front Ballast ^{OPT}	kg	466			
Max. Rear Wheel Ballast ^{OPT}	kg	270			
Tank Volume**	l	124/150 ^{OPT}		150	180
Front Mudguards ^{OPT}	•	Fixed			
Heated Mirrors, Rear Defroster	•	Optional			
Pre-Wiring for Radio	•	Optional			
DIMENSIONS					
Operating Weight***	kg	3,750–4,546		4,054–4,600	4,014–4,257
Max. Length	mm	4,710		4,827	4,941
Max. Width	mm	2,319			
Max. Height	mm	2,725		2,738	
Wheelbase	mm	2,308 (4WD)		2,328	2,442
Front Wheels ****	mm	9.00-16 / 280/85-24 (11.2-24)		280/85-24 (11.2-24)	
Rear Wheels ****	mm	420/85-30 (16.9-30)		420/85-30 (16.9-30)	

* Open Station version is available only for PROXIMA 90 and PROXIMA 100 and with 30 kph speed only.

** For open station is tank volume 76 l.

*** Without front and rear ballast.

**** Standard wheels; for more options contact your dealer.

^{OPT} Optional

Note: The height depends on the size of the wheels





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	UNITS	FORTERRA 140	FORTERRA HSX 140	FORTERRA HD 150
ENGINE				
Engine type	•	1605	1605	1716
Emission level	•	Stage IIIA		Stage IIIB
Homologated Power (2000/25/EC)	kW	100.2	100.2	108.2
Homologated Power (2000/25/EC)	HP	136	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 (2000/25/EC)	Nm	581	581	589
Improvement of Torque (ECE R24)	%	38	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 or independent / ground speed ^{OPT}		
Clutch type	•	Wet multi-plate PTO clutch		
Rear PTO Revolutions	•	Independent: 540/540E/1,000/1,000E; independent and ground speed: 540/1,000		
Front PTO Revolutions ^{OPT}	•	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 Capacity	kN	77	85	85
Lift Capacity in the entire range of links	kN	69	76	76
Operating Pressure	MPa	20		20+0,2
Pump Capacity	l	70		85
Hydraulic Outputs (Quickcouplers)	•	6+1; 4+1 ^{OPT}		8+1
Hitches	•	Modular CBM hitch system with multistage hitch		

MODEL	UNITS	FORTERRA 140	FORTERRA HSX 140	FORTERRA HD 150
CAB				
Spring-Mounting	•	Fixed		Fixed or suspended ^{OPT}
Roof with Hatch	•	Standard		
Seat	•	Standard seat or seat with mechanical suspension ^{OPT} or seat with pneumatic suspension ^{OPT}		
Passenger Seat	•	Standard; Safety belt ^{OPT}		
Multi-Functional Panel	•	-		Standard
Steering Wheel	•	Fixed or tiltable and telescopic ^{OPT}		
Air-Conditioning	•	Manual ^{OPT}		Manual
OTHER SPECIFICAT IONS				
Drive System	•	4WD		
Front drive axle	•	Solid		Solid or Suspended ^{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} or hydraulic ^{OPT}		
Max. Front Ballast ^{OPT}	kg	800		900
Max. Rear Wheel Ballast ^{OPT}	kg	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) welded		
Rear Wheels **	mm	460/85 R38 (18.4 R38) welded		

* Without front and rear ballast
** Standard wheels; for more options contact your dealer
^{OPT} Optional



SPARE PARTS

ONLY ORIGINALS FIT PERFECTLY

RESPECT YOUR TRACTOR'S IDENTITY

ZETOR spare parts achieve high quality and represent the best value for money.

To maintain a long tractor life, we recommend using only original spare parts.

ZETOR TRACTORS a.s. supplies its original spare parts world, through the dealer network. The quality of original spare parts is checked constantly throughout production and matches the quality of parts used for assembling new products.

Original spare parts also incorporate all improvements and innovations. This guarantees that the operational qualities of the repaired machine are

fully restored. The originality of supplied spare parts is guaranteed by packing them in original packaging with a unique identification number.

For more information please contact your authorized ZETOR dealer.





ZETOR HISTORY



ZETOR TRACTORS a. s. is a traditional brand that has been in existence since 1946. The name was created by combining the letter "Z" from the logo of the Zbrojovka Brno Company and the last two letters of the word "tractor". This is how the first ZETOR and also the legendary brand was born. The first ZETOR, called the Z 25, was manufactured at Zbrojovka Brno in 1946. Series production of the legendary Z 25 model was launched in the same year and, in 1952, production of ZETOR tractors was moved to factory in Brno-Lisen, where they are still made today.

ZETOR was the first company in the world to introduce the progressive and unique concept of using unified elements during the manufacture of tractors in the second half of the 1950s. The Unified series I. was presented at that time, and the Unified series II. was introduced in 1968. This model series introduced many innovative elements and solutions that were not standard at the time and made ZETOR a leader among world tractor manufacturers. Among other innovations, the Company was, for example, the first to use a safety cabin. The first six-cylinder ZETOR CRYSTAL 12011 was introduced during the 70's and ZETOR subsequently not only became the name of the brand but also the name of the Company. The Unified series III. was introduced in 1991 and was given the trade name ZETOR FORTERRA following its innovation at the turn of the millennium.

The turn of the millennium was a crucial time for the ZETOR brand. The state-owned enterprise found itself on the brink of bankruptcy and there was a real risk that the brand would disappear. A tender was announced. The Slovakian company HTC holding a.s. took part in this tender and became the owner of the Company

**SINCE 1946 WE HAVE SOLD MORE
THAN 1,300,000 TRACTORS.**

**MORE THAN ONE MILLION
CUSTOMERS CAN'T BE WRONG!**

in June 2002. After the new owners assumed control, funds were invested into stabilising the Company and its subsequent restructuring. ZETOR TRACTORS a.s. took a new direction in 2011 with the objective of expanding its existing portfolio into six model lines, the recruitment of experts in the field and commitment to the quality of the dealer networks in which the ZETOR brand operates. This is the direction that persists to this day.

The Company continues to move forward and innovate its already successful and reliable tractors. The FORTERRA HD model was introduced in 2014 as one of the most sophisticated tractors available. The FORTERRA HD model received a lot of interest from the media, as well as interest at trade fairs in the Czech Republic and abroad. It was the most powerful ZETOR tractor at the time and received a number of major awards, including the Golden Cob at the International Bread Basket Trade fair (Czech Republic) and the Gold Sickle at the Agrokomplex Trade fair (Slovak Republic). The newest addition to the ZETOR family is the CRYSTAL model, which was introduced in June 2015 and has received

many positive reactions in the media. With a six-cylinder engine and 160 horsepower, the CRYSTAL is the most powerful ZETOR tractor on the market.

In the end of 2015 ZETOR TRACTORS a.s. introduced at Agritechnica, Hannover new design concept Zetor by Pininfarina. It's a new design direction that will be gradually applied to all ZETOR products.

Pininfarina's new design moves ZETOR to a more intense emotional experience that is highly sensual, dynamic and modern. The idea behind the concept Zetor by Pininfarina, is the combinational embodiment of power, dynamics and emotion while preserving the usefulness and practicality of the field machinery which are undoubtedly the definitions of tractors. The design concept combines all of these components in a modular design that can be applied to the complete model range of ZETOR tractors.







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