

Zetor

PROXIMA

PROXIMA CL

PROXIMA GP

PROXIMA HS



YOUR VERSATILE COMPANION



Tractor is Zetor. Since 1946.



PROXIMA TRACTORS ARE UNIVERSAL WHEELED FARM TRACTORS SPECIFICALLY DESIGNED FOR WORKING WITH AGRICULTURAL IMPLEMENTS, INDUSTRIAL AGGREGATES AND FOR AGRICULTURAL TRANSPORT.

	PROXIMA CL		PROXIMA GP		PROXIMA HS
Max. Power (HP)	96	↗	106	↗	117
Max. Torque (Nm)	420	↗	471	↗	507
Gearbox	Mechanical/synchro shuttle	↗	Mechanical 4-stage with 2-stage multiplier, synchro shuttle	↗	Mechanical 4-stage with 3-stage automatic multiplier, electro-hydraulic synchro shuttle
Number of Gears	10/2, 12/12 or creeper 20/4	↗	16/16	↗	24/24
Synchro Shuttle under Load	-	=	-	↗	Under 10 kph
Hydraulics – Control	Mechanical	↗	Mechanical/electronic (HitchTronic)	=	Mechanical/electronic (HitchTronic)
Outer Circuits Tapping	6+1	↗	8+1	=	8+1
Tank Capacity (l)	150	=	150	↗	180
Length (mm)	4 710	↗	4 827	↗	4 941
Wheelbase (mm)	2 308	↗	2 328	↗	2 442



PERFORMANCE

With their combination of genuine horsepower inside the engine and a powerful gearbox, Proxima tractors deliver high power levels for use in every situation.

ENDURANCE

A simple, robust design makes Proxima tractors reliable tractors even in the most severe conditions.

TOTAL COST OF OWNERSHIP

By combining versatility and low operating costs, the Proxima family achieves great working efficiency.

- EXCELLENT PRICE-TO-POWER RATIO
- LONG SERVICE LIFE
- IDEAL POWER-TO-WEIGHT RATIO
- AGILE AND VERSATILE
- UNIVERSAL
- TIME-PROVEN DESIGN
- LOW FUEL AND OIL CONSUMPTION
- SIMPLICITY
- VARIABILITY OF THE 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, and two-wheel or four-wheel drive.

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

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

Proxima HS models have the most modern gearbox design in the Proxima family and meet high customer demands for versatility, comfort, safety and productivity.



Zetor



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.

Zetor tractors do not use power boost, i.e. power available only under certain conditions. Full power is always available regardless of load.

LOW CONSUMPTION LEADER

In 2017, a new engine generation with a further consumption and emission reduction has been launched. Zetor tractors equipped with the new engines meeting the Stage IV emission standard were tested by scientists from Mendel University. The study results confirmed that fuel consumption of the new engines is lower on average by 19.2 % than the previous engine generation.

-19.2%



Proven by generations of users



- **ENVIRONMENTALLY FRIENDLY OPERATION**
thanks to combination of DOC catalyst, active DPF filter and SCR technology (urea) meet the most stringent emission limits Stage IV / Tier 4f
- **LOW CONSUMPTION**
ensures a very low consumption of operating fluids
- **MECHANICAL INJECTION PUMP**
reliable and trouble-free operation, long service life
- **TWO BALANCE SHAFTS**
reduce vibrations and make the engine run more smoothly
- **PRESSURIZED OIL-COOLED PISTON CROWNS**
increase combustion efficiency and prolong engine life
- **GLOW PLUG IN EVERY CYLINDER**
(direct combustion engine pre-heating) – guarantees reliable starting at low temperatures





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

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

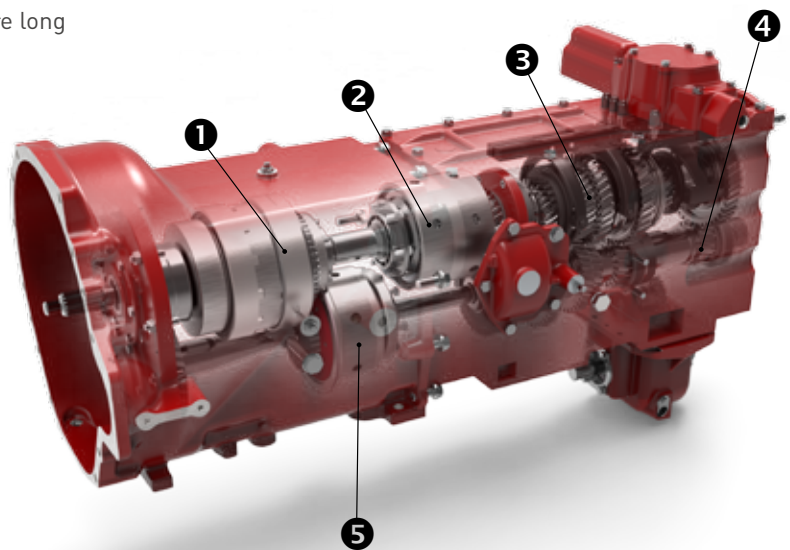


A solution for everyone

- **IN-HOUSE PRODUCTION**
control and enforcement of high quality standards
- **SERVICE LIFE**
high-quality and durable materials ensure long service life
- **VARIABILITY OF THE RANGE**
solution tailored to customer's needs
- **GEAR RATIO**
optimizes power to weight ratio
- **COMFORT**
simple and comfortable shifting

- 1 - PowerShift
three-stage torque multiplier
- 2 - PowerShuttle
synchro shuttle clutch
- 3 - Four basic synchronized gears
- 4 - Reduction gearbox
- 5 - Wet disk clutch of the rear
PTO - 540/1000 rpm or 540/540E

- **LENGTH**
wheelbase length varies depending on model
- **PTO GROUND SPEED**
offered as a standard



Proxima HS gearbox



Zetor



HYDRAULICS

Zetor was the first to offer the **HITCHTRONIC** function – a subsequent winner of many awards

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.

SPECIFICATION

- Maximum lifting force 42 kN
- Hydraulic quick couplers (1-4 sections)
- Mechanical lock in the neutral position of the distributor (sections without the kick-out)
- Three-point hitch controlled flow rate
- Infinite external control of lower link arms
- Suction filter at the hydraulic pump intake
- Top link sensing (draft control)
- All hydraulic controls are external (including hydraulic distributor)



Reliable control at every turn

- **IN-HOUSE PRODUCTION**
control and enforcement of high quality standards
- **OUTER LIFTING CYLINDERS ONLY**
no inner cylinder
- **GOOD LIFTING FORCE CURVE**
- **GOOD SERVICEABILITY**
- **FORKS ON ARM ENDS**
no overhung pin
- **LOWERING CONTROL WITH HYDRAULIC LOCK FUNCTION**
- **SENSITIVE LOWERING OF IMPLEMENTS AND SAFE TRANSPORT**
- **AUXILIARY DISTRIBUTOR INTEGRATED RIGHT ON THE HYDRAULIC TOP COVER**
- **PARTS WITHOUT KICK-OUT HAVE A MECHANICAL SLIDE VALVE LOCK IN END WORKING POSITIONS**
- **BOWDEN CABLE CONTROLLERS WITH MECHANICAL LOCK OF THE "N" POSITION USING A MOVING SLEEVE**
- **EXTERNAL THREE-POINT HITCH CONTROL WITH FINE ARM ADVANCEMENT**
increased comfort when mounting implements

To improve comfort when working with implements, PROXIMA tractors are equipped with up to four hydraulic quick couplers, electro-hydraulic control and the HitchTronic system.



Zetor



CAB

Cabs have been designed to be convenient, comfortable and safe. They feature plenty of space around the driver and optimum all-round visibility. The operator has an excellent view and control over the implements being used. This also includes an view of the front loader through the roof hatch.

Control is simple, well-arranged and very intuitive. All controls are always at hand.



The Zetor seat provides long life, ergonomics and comfortable sitting. A new feature is possibility of turning to sides.



Comfort and room



Clearly and logically arranged dashboard.
All important data are in one place.



Easily foldable, yet comfortable, passenger
seat.



Zetor



Only originals fit perfectly

Respect your tractor's identity

ZETOR TRACTORS a.s. sells its original spare parts world-wide, for both warranty and post-warranty service of Zetor tractors, through the sales network of our contracted representatives.

The quality of original spare parts is checked constantly throughout production and matches the quality of parts used for assembling new products.

Zetor spare parts achieve high quality at a reasonable price.

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

Original spare parts also incorporate all improvements and innovations. This guarantees that the operational qualities and utility of the repaired machine are fully restored. The originality of supplied spare parts is secured by packing them in original packaging with a unique identification number.



**Original Zetor spare parts are available
at authorized Zetor dealers only.**



Developed and manufactured in the heart of Europe

More than a million customers
can't be wrong

ZETOR HAS BEEN PRODUCING TRACTORS SINCE 1946. IN THE COURSE OF ITS EXISTENCE, IT HAS PRODUCED MORE THAN 1.3 MILLION TRACTORS, MOST OF WHICH HAVE BEEN EXPORTED TO MORE THAN 90 COUNTRIES AROUND THE WORLD.

PRODUCTION

Production of Zetor tractors and engines is concentrated in the Czech Republic. Having an in-house development and production centre helps ensure that the products we offer are of the very highest quality, and supports the introduction of many innovations. ZETOR TRACTORS a.s. is a socially responsible company that focuses on product quality, and ecological and environmental protection. To guarantee these principles, it operates within the following quality management standards: ISO 9001, ISO 14001 and ISO 50001.

DEVELOPMENT

The Engineering Department is Zetor's longstanding permanent research, development and testing facility. It comprises a team of development engineers engaged in high-level specialist research, which draws on a wide knowledge base and professional skills, and is supported by state-of-the-art technologies. The department provides comprehensive, systematic research and development of the production programme – from concept, design, construction, the production of functional samples and prototypes, right up to testing tractors and motors in the laboratory and in the field.





MODEL	PROXIMA CL		PROXIMA GP			PROXIMA HS			
	80	100	80	100	110	80	100	110	120
ENGINE									
Stage IV Type (*Stage IIIB)	Zetor 1106*	Zetor 1017	Zetor 1106*	Zetor 1017	Zetor 1317	Zetor 1106*	Zetor 1017	Zetor 1317	Zetor 1417
Homologated Power (kW) [2000/25/EC]	55,6	70,4	55,6	70,4	78,4	55,6	70,4	78,4	86,2
Homologated Power (HP) [2000/25/EC]	76	96	76	96	106	76	96	106	117
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	Fixed fan / viscous fan clutch ^{OPT}								
Max. Torque (Nm) (2000/25/EC)	315,8	420	315,8	420	471,5	315,8	420	471,5	507,3
Improvement of torque (%) (ECE R24)	34,7	42,2	34,7	42,2	42,9	34,7	42,2	42,9	39,6
GEARBOX									
Type	Mechanical / synchro shuttle		Mechanical 4-stage with 2-stage multiplier, synchro shuttle			Mechanical 4-stage with automatic 3-stage multiplier, electro-hydraulic synchro shuttle			
Reverser	Mechanical shifting, synchronized					Under load at speeds up to 10 kph			
Shifting	Fully synchronized								
Number of Gears (F/R)	10/2 or 12/12 or creeper 20/4		16/16			24/24			
Speed (kph)	30 or 40		40						
PTO									
Type	Independent/dependent		Independent/dependent, wet multi-plate clutch						
Rear PTO Revolutions	540/1000 or 540/540E								
Front PTO Revolutions	1 000								
Max. Power of Front PTO (kW)	45		60						
HYDRAULICS									
Type	Mechanically controlled		Mechanically controlled or electro-hydraulic control (EHR HitchTronic) ^{OPT}						
Three-Point Hitch	Category II								
Rear three-point hitch – max. lifting force [kN]	45								
Rear three-point hitch – full range of lifting force [kN]	42								
Operating Pressure (MPa)	19								
Pump Capacity (l/min)	50, optional 60								
External Offtakes (Quickcouplers)	6+1, 4+1 or 2+1		8+1 (only with electro-hydraulic control), 6+1 or 4+1						
Hitches	Multi-stage modular CBM hitch system Optionally: quick-adjustable with mechanical or automatic nozzle and hitch for one-axle trailer								

MODEL	PROXIMA CL		PROXIMA GP			PROXIMA HS			
	80	100	80	100	110	80	100	110	120
OTHER SPECIFICATIONS									
Drive System	4WD								
Steering	Hydrostatic								
Operating	Wet disc, hydraulically operated								
Front Brakes	By connecting front driven axle		Wet disc brakes in wheels						
Trailer Brakes ^{OPT}	1+2 hose pneumatic brakes or hydraulic brakes								
Max. Front Ballast (kg) ^{OPT}	666								
Max. Rear Wheel Ballast (kg) ^{OPT}	270								
Tank Volume (l)	124	150			180				
Urea Tank Volume (l)	25 (only for Stage IV models)								
Front Mudguards	Standard								
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)	2,240–2,520								
Max. Height (mm)	2,850								
Wheelbase (mm)	2,308		2,328			2,442			
Front Wheels ** (mm)	320/85-R24 (12,4 R24)		340/85-R24 (13,6 R24) welded						
Rear Wheels** (mm)	420/85-R34 (16,9 R34)		420/85-R34 (16,9 R34) welded						

^{OPT} Optional

* Without front and rear ballast

** Standard wheels; for more options contact your dealer

Note: The height depends on the size of the wheels

MODEL	BASIC	CLASSIC	LUX
CAB			
Pre-Wiring for Radio	-	○	●
Heated Mirrors, Rear Defroster	-	○	●
Air-Conditioning	-	○	○
Seat	Standard	Mechanical suspension	Pneumatic suspension
Passenger Seat (with safety belt or without)	○	○	○
Steering Wheel	Fixed or adjustable		

- none, ○ optional; ● standard



Zetor



**My family.
My work.
My Zetor.**



www.zetor.com
info@zetor.com

THE IMAGES / PHOTOS ARE ONLY ILLUSTRATIVE AND MAY VARY FROM ACTUAL PRODUCTS. SUBJECT TO CHANGE. 02/2017



DEALER:



Made in EU