

Zetor

PROXIMA

PROXIMA CL
PROXIMA HS



YOUR VERSATILE COMPANION



Tractor is Zetor. Since 1946.



Proxima tractors are universal farm tractors specifically designed for working with agricultural implements, industrial aggregates and for agricultural transport.

	PROXIMA CL		PROXIMA HS
Power (HP)	96	↔	96 - 117
Max. Torque (Nm)	420	↔	507
Transmission	Mechanical 6-stage	↔	Mechanical 4-stage with 3-stage multiplier, PowerShuttle
Number of Gears	12/12 or creeper 20/4	↔	24/24
Hydraulics - Control	Mechanical	↔	Mechanical/electronic (HitchTronic) ^{OPT}
Outer Circuits Tapping (max)	6+1	↔	8+1
Tank Capacity (l)	150	↔	190
Length (mm)	4710	↔	4941
Wheelbase (mm)	2308	↔	2442

NEW IN 2018 MODELS

- Safety package (more powerful brakes, seat with safety sensor, seat-belts...)
- Higher overpressure in the cabin and more powerful heating and aircondition
- New dashboard with enhanced features and color LED panel
- Newly designed switches and controls with improved ergonomics
- New panoromatic rear mirrors
- Roof with window



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 INTERVAL
- IDEAL POWER-TO-WEIGHT RATIO
- AGILE AND VERSATILE
- UNIVERSAL
- TIME-PROVEN DESIGN
- LOW FUEL 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.

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

Proxima HS models have the most modern gearbox design (24/24 with PowerShuttle) 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 operating costs but also great reliability, and low maintenance and service requirements. 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



- **IN-HOUSE DEVELOPMENT AND MANUFACTURE**
guaranteed precise workmanship using quality materials
- **LOW CONSUMPTION**
ensures a very low fuel consumption
- **TWO BALANCE SHAFTS**
reduce vibrations and make the engine run more smoothly
- **NO POWERBOOST**
Zetor engines have full power available regardless of what speed the tractor is travelling or whether the PTO has been engaged
- **ENVIRONMENTALLY FRIENDLY OPERATION**
Proxima series use SCR and DPF system in order to meet the most stringent emission limits





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

Gearboxes for **Proxima CL** models are the most versatile and operate mechanically only. They are manufactured in several versions. **Proxima CL** offers basic 12/12 transmission with mechanical reverser.

Thanks to its simplicity and durability, tractor is perfectly suited for hard work. Proxima CL can be optionally equipped with the super creeper transmission (20/4 gears) which has the lowest travelling speed 0.22 kph (at 2,200 rpm rated engine speed).

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.

PowerClutch

Clutch button on gear shift lever



PowerShift

Three-stage torque multiplier



PowerShuttle

Hydraulic reverser



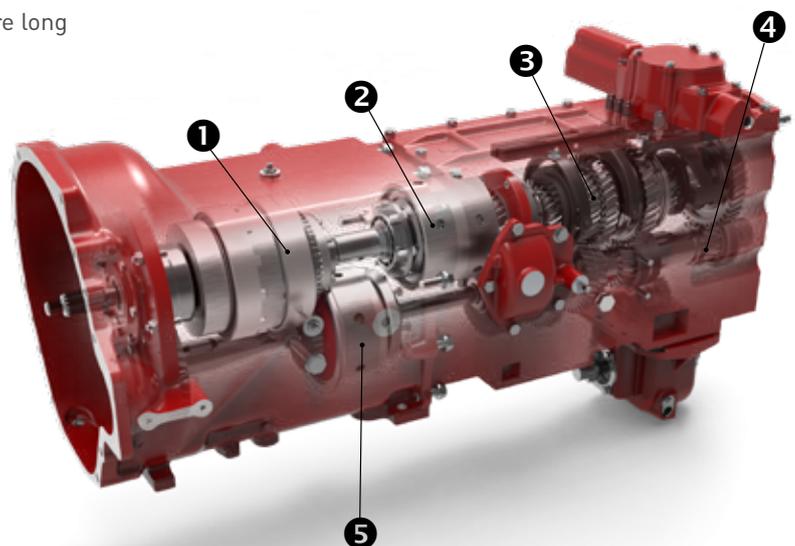


A solution for everyone

- **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



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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 must be set-up. 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 45 kN
- Hydraulic quick couplers (2-4 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**
- **HOOKS 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**
- **SCV 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 COLLAR**
- **EXTERNAL THREE-POINT HITCH CONTROL ALLOWING FINE ADJUSTMENT**
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.



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Cabs have been designed to be ergonomic, 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 a view of the front loader through the roof hatch (option).

To control the tractor is easy and very intuitive. All controls are always at hand.

Interior equipment and labeling in accordance with EU regulation 167/2013/EC has increased driver safety and comfort.



The Zetor seat provides ergonomical and comfortable sitting. Two seat options are available - seat with mechanical suspension or seat with pneumatic suspension. Each Proxima tractor is equipped with easily foldable and comfortable passenger seat with automatic safety belt.



Comfort and roomy



Completely new dashboard with color display improves clarity and awareness of information given to the driver. All important data are placed in one place.



The roof window ensures the good visibility during the work with a front loader.





Only originals fit perfectly

Respect your tractor's identity

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

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.

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.**



Developed and manufactured in the heart of Europe

More than a million customers
can't be wrong

The comprehensive development and manufacture of Zetor components and tractors are concentrated under one roof in the Zetor manufacturing plant in Brno, Czech Republic. The facilities of the development and production center allow the company to effectively control the development and manufacture process and to secure the high quality of our products.

The team of designers, engineers and other personnel of the research and development centre provides comprehensive research and the development of new products, from the conception, design, construction, and manufacture of prototypes to laboratory and operating tests of individual components or whole machines.

Over the last several years, the company has invested tens of millions of EURO in the development of new products and the modernization of development equipment and technologies. The production process has also undergone an extensive modernization. Thanks to the construction of a new logistics hall and the acquisition of new technologies, the company has made logistics processes even more effective. The acquisition of new machines and the production automation have led to improved quality, the elimination of possible personnel errors, and reductions in costs.

ZETOR TRACTORS a.s. is a holder of quality certificate according to ISO 9001 which guarantee that the company observes the principles for the comprehensive quality control.





MODEL	UNITS	PROXIMA CL		PROXIMA HS	
		100	100	110	120
ENGINE					
Engine Type	•	Z1017	Z1017	Z1317	Z1417
Emission level	•	Stage IV / Tier 4 Final			
Power (2000/25/EC)	kW	70.4	70.4	78.4	86.2
	HP	96	96	106	117
Rated Speed	rpm	2,200			
No. of Cylinders / Valves	•	4 / 16			
Aspiration	•	Turbocharged			
Bore / Stroke	mm	105 / 120			
Displacement	cm ³	4,156			
Max. Torque	Nm	420	420	472	507
Torque Rise	%	42	42	43	40
TRANSMISSION					
Type	•	Reversing 6-stage	Reversing 4-stage with automatic 3-stage multiplier		
Shifting	•	Fully Synchronized			
Number of Gears (F/R)	•	12/12 or super creeper 20/4	24/24		
Reverser	•	Mechanical (synchronized)	PowerShuttle (Electro-Hydraulic)		
Multiplier	•	-	3 ^o PowerShift		
Speed	km/h	30 or 40	40		
PTO					
Type	•	Independent and ground speed	Independent and ground speed, wet multi-plate clutch		
Rear PTO Revolutions	rpm	540/1,000 or 540/540E			
Front PTO Revolutions ^{OPT}	rpm	1,000			
Max. Power of Front PTO ^{OPT}	kW	45	60		
HYDRAULICS					
Type	•	Mechanically controlled	Mechanically controlled or electro-hydraulics Bosch ^{OPT} with HitchTronic		
Three-Point Hitch	•	Category II			
Max. Lifting Capacity	kN	45			
Lifting Capacity in full range	kN	42			
Pump Capacity	l/min	50 or 60 ^{OPT}			
Hydraulic remotes (Quickcouplers)	•	4+1 or 6+1 ^{OPT}	4+1 or 6+1 ^{OPT} or 8+1 ^{OPT} (only with EHR)		

MODEL	UNITS	PROXIMA CL		PROXIMA HS	
		100	100	110	120
CAB					
Seat	•	Mechanical suspended with safety belt or Pneumatically suspended with safety belt			
Passenger Seat	•	Standard (with safety belt)			
Heating	•	Standard			
Air-Conditioning	•	Optional			
Heated Mirrors and Rear Defroster	•	Optional			
Pre-Wiring for Radio / Radio	•	Standard / Optional			
Steering Wheel	•	Fixed or adjustable (tiltable and telescopic)	Adjustable (tiltable and telescopic)		
UNDERCARRIAGE					
Drive System	•	4WD			
Steering	•	Hydrostatic			
Operating brakes	•	By connecting front driven axle (for 30 kph) or Independent hydraulic wet four wheel brakes (for 40 kph)	Independent hydraulic wet four wheel brakes		
Trailer brakes ^{OPT}	•	Pneumatic 2+1 hoses or hydraulic & pneumatic 2+0 hoses			
Fuel tank / Urea tank	km/h	150 / 28	190 / 28		
Front Mudguards	•	Standard			
OTHER SPECIFICATION					
Operating Weight*	kg	3,750-4,546	4,014-4,257		
Max. Front Ballast ^{OPT}	kg	666			
Max. Rear Wheel Ballast ^{OPT}	kg	270			
Max. Length	mm	4,710	4,941		
Max. Width	mm	2,240-2,520	2,240-2,520		
Max. Height	mm	2,850	2,850		
Wheelbase	mm	2,308	2,442		

OPT Optional

* Without front and rear ballast



Zetor



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



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DEALER: