

ZETOR PROXIMA

PROXIMA CL, PROXIMA GP, PROXIMA HS



Tractor is Zetor. Since 1946.

Zetor

ZETOR PROXIMA

YOUR RELIABLE HARD WORKER

Reliable, powerful, versatile. These are the PROXIMA tractors, which are among the most popular ZETOR models. They are tireless workers that meet the demanding requirements of customers for work in agriculture, forestry, and municipal services. Simple robust design and low fuel consumption make PROXIMA tractors the right choice.



1. Next to the fuel tank, there is a urea tank with a capacity of 21 l.



2. The new four-cylinder turbocharged diesel engine Deutz TCD 3.6 with an output of 97-125 HP boasts a smoother and quieter running.



3. The modernized tractor meets Stage V emission level - this is ensured by a particulate filter (DPF), oxidation catalyst (DOC), and exhaust gas recirculation together with selective catalytic reduction (SCR).



4. PROXIMA is available on request to be equipped with front hydraulic outlets and a three-point hitch. These will find their use when connecting the aggregation to the front of the tractor.





5. The dashboard and the right column are equipped with toggle switch buttons with a new design.



6. Gear oil filter clogging indicator allows the operator to easily and quickly check the oil cleanliness.



7. A compressed air outlet is easily accessible in front of the cabin - the possibility of more convenient cleaning coolers or inflation tires.



8. On request, the tractor can be equipped with an external locking tool box, which has an improved attachment and higher load capacity.

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.

ENGINE

PROVEN QUALITY AND LOW CONSUMPTION

Under the hood of the PROXIMA tractors, there is a new four-cylinder turbocharged diesel engine TCD 3.6 with 16 valves with 97-125 horsepower. The new engine meets the current most stringent Stage V emission standard. Its compliance is provided by a diesel particulate filter (DPF), an oxidation catalyst (DOC) and exhaust gas recirculation together with a selective catalytic reduction (SCR). The engine is also equipped with an advanced common-rail injection system.

The high torque overrun value lends engines toughness and the ability to operate at low speeds under heavy loads and without the need for frequent shifting. Together with low fuel consumption, the new engines make PROXIMA models tireless, reliable and economical workers that never let their owners down.

The engine is supplied by a renowned engine manufacturer, Deutz AG. The quality of the engines is proven by many satisfied owners of MAJOR and CRYSTAL models, which are also powered by engines from this manufacturer.

- **LOW CONSUMPTION**
tractors have very low fuel consumption
- **QUIET ENGINE OPERATION**
the new engine boasts smoother and quieter operation
- **TWO BALANCE SHAFTS**
reduce vibrations and make the engine run more smoothly
- **ENVIRONMENTALLY FRIENDLY OPERATION**
tractors meet the current emission limits
- **COMMON RAIL**
the engine is equipped with a modern injection system Common-Rail, which contributes to a more reliable and more efficient engine operation



GEARBOXES

A SOLUTION FOR EVERYONE

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

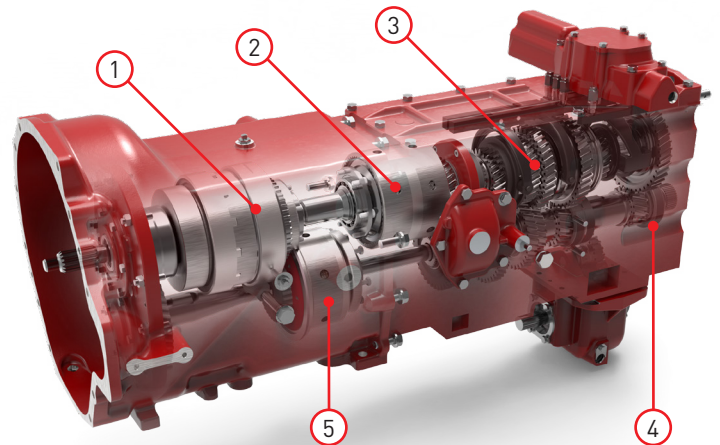
PROXIMA CL is equipped with a fully synchronised transmission with 12 forward and 12 reverse gears and a mechanical reverser. Thanks to its simplicity and durability, the tractor is perfectly suited for hard work. PROXIMA CL can be optionally equipped with the super creeper transmission (20/4 gears) which has the lowest travelling speed 0.22 kph (at 2,200 rpm rated engine speed).

PROXIMA GP is equipped with a gearbox with 16+16 speeds, a mechanical reverser, and a 2-speed multiplier torque converter. It is thus ideal for customers looking for more modern solutions, higher performance, and comfort.

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

- 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
- REVERSIBLE PTO SHAFT
the PTO shaft can run in both directions, even when the tractor is stationary
- PTO GROUND SPEED
offered as a standard

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 – 540/1,000 rpm or 540/540E



PROXIMA HS gearbox



PowerClutch

Clutch button on gear shift lever (PROXIMA HS)



PowerShift

Three-stage torque multiplier (PROXIMA HS)



PowerShuttle

Hydraulic reverser (PROXIMA HS)

HYDRAULICS

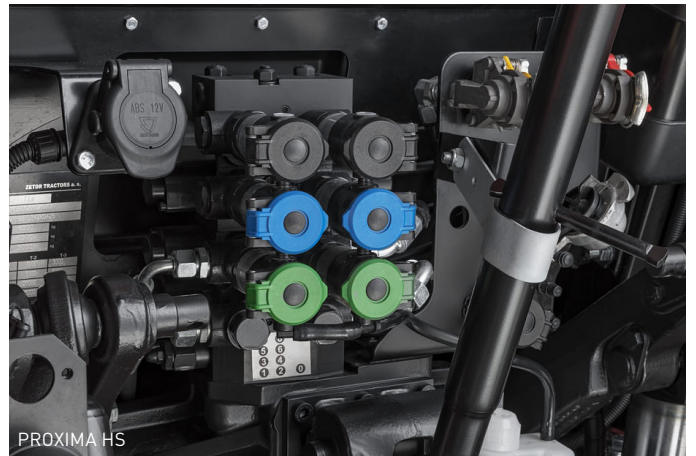
RELIABLE CONTROL AT EVERY TURN

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 regulations or combinations. Only the implemented 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.

For your comfortable work with the connecting machines, the PROXIMA HS/GP tractors can be equipped with up to a 4-section cabinet including front outlets and Bosch HER with HitchTronic function.

- OUTER LIFTING CYLINDERS ONLY
no inner cylinder
- GOOD LIFTING FORCE CURVE
- GOOD SERVICEABILITY
- LOWERING CONTROL WITH HYDRAULIC LOCK FUNCTION
- SENSITIVE LOWERING OF IMPLEMENTS AND SAFE TRANSPORT
- AUXILIARY DISTRIBUTOR
integrated right on the hydraulic top cover
- BOWDEN CABLE CONTROLLERS
with a mechanical lock of the “N” position using a moving collar
- EXTERNAL THREE-POINT HITCH CONTROL
ALLOWING FINE ADJUSTMENT
increased comfort when mounting implements
- FLOATING POSITION
is available in all external hydraulic circuits

- Maximum lifting force 46 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)



CAB

COMFORT AND ROOMY

Cabs have been designed to be ergonomic, comfortable, and safe. They feature plenty of space around the driver and optimum all-around 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. All controls are always at hand. To control the tractor is easy and very intuitive.

The ZETOR seat provides ergonomic and comfortable sitting. Two seat options are available – seat with mechanical suspension or seat with an pneumatic suspension. The tractor may be equipped with easily foldable passenger seat with an automatic safety belt.

Toggle buttons on the dashboard have an upgraded design, identical with the higher model ranges.



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



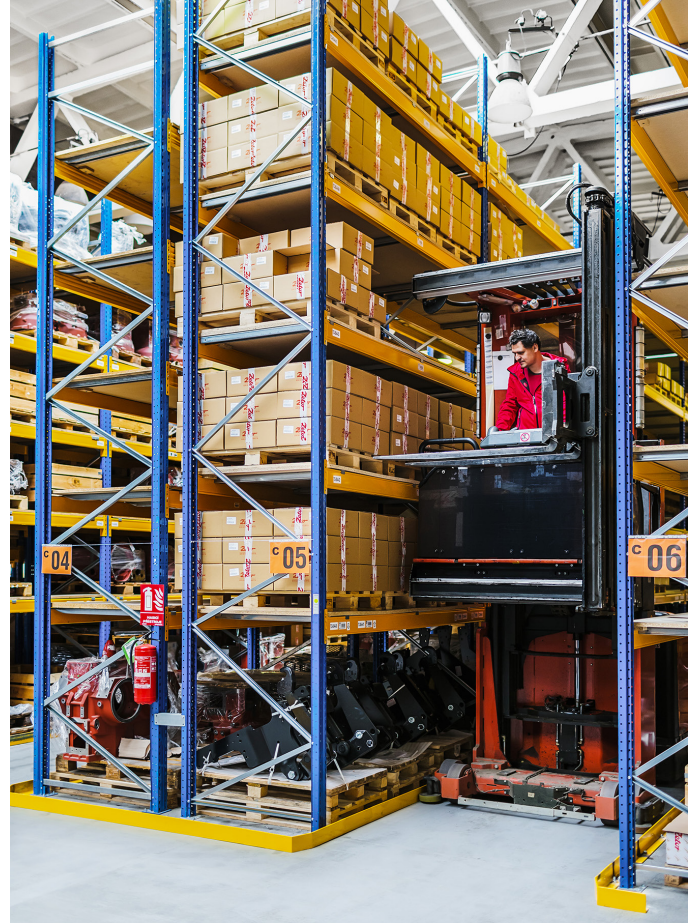
The roof window ensures good visibility during the work with a front loader.

ZETOR ORIGINAL SPARE PARTS

ZETOR TRACTORS a.s. secures the world-wide sale of original ZETOR spare parts for the warranty and post-warranty service of ZETOR tractors through its distribution network. The quality of spare parts is continually checked during production and is identical to the quality of the parts used in the assembly of new products.

The original parts include all improvements and innovations ensuring the full restoration of the operational and utility characteristics of the repaired machine. The authenticity of the supplied spare parts is secured by packing in original packing with a unique identification number.

- ZETOR spare parts attain high quality for reasonable prices.
- In order to maintain the high lifetime of the tractor, we recommend using only original ZETOR spare parts.



ZETOR original spare parts are available only through ZETOR authorised dealers. For more information, visit www.zetor.com/sales-and-service-network

ZETOR ORIGINAL OILS

For ZETOR tractors we recommend original oils, which are identical to the oils the tractors are filled with from the factory.

ZETOR Oils may be purchased through our sales and service network.

- Engine oils
- Hydraulic oils
- Transmission oils / Front axle oils

Extend the lifetime of your tractor by using ZETOR original oils.



DEVELOPED AND MANUFACTURATED IN THE HEART OF EUROPE

**MORE THAN ONE MILLION
CUSTOMERS CANNOT BE
WRONG**

PRODUCTION

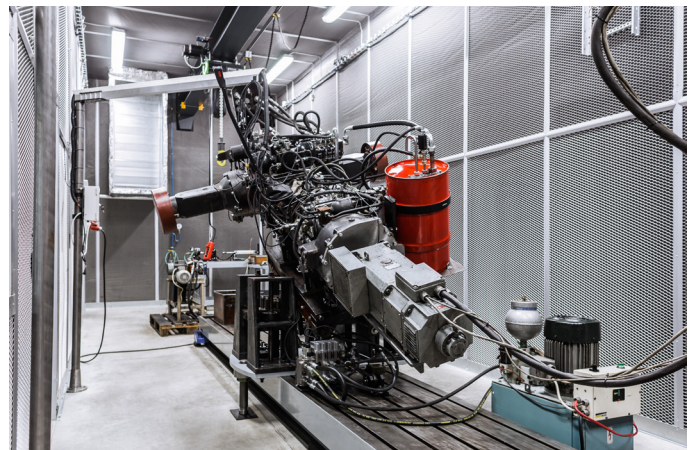
The manufacturing base of ZETOR tractors, engines and transmission is concentrated in the Czech Republic. The background of our development and manufacturing centre contributes to the ultimate quality of the offered products and enables the effective management of innovation development and application. ZETOR TRACTORS a.s. is a corporately responsible company that emphasises the quality of its products, ecology and protection of the environment. These principles are guaranteed by the ISO 9001 quality certificate, which the company has acquired.



Since the beginning of the production of the ZETOR brand tractors in 1946, more than 1.3 million units have been made, with the majority of these units being exported to over 130 countries around the world.

DEVELOPMENT

The technical section forms the long-term and stable research, development and testing background of ZETOR TRACTORS a.s. It represents the high professional level of the research staff team, which uses their extensive knowledge base and experience in the field, supported by cutting-edge technologies. It secures the comprehensive and systematic research and development of the manufacturing programme – from concept, design, assembly, and the production of functional samples and prototypes all the way to lab tests and operation tests of the tractors and engines.



ZETOR PROXIMA

MODEL	UNITS	PROXIMA CL		PROXIMA GP		PROXIMA HS		
		100	110	100	110	100	110	120
ENGINE								
Typ	•	DEUTZ TCD 3.6 L4						
Max. power (ECE R120)	kW	72,5	80,9	72,5	80,9	72,5	80,9	93,0
	HP	98,6	110,0	98,6	110,0	98,6	110,0	126,4
Rated power (ECE R120)	kW	69,5	77,0	69,5	77,0	69,5	77,0	88,0
	HP	94,5	104,7	94,5	104,7	94,5	104,7	119,7
Rated speed	1/min	2200						
No. of Cylinders / Valves	•	4 / 8						
Aspiration	•	Turbocharged						
Bore / Stroke	mm	98x120						
Displacement	cm ³	3621						
Max. Torque	Nm	397/1600	440/1600	397/1600	440/1600	397/1600	440/1600	500/1600
Torque Rise	%	31						
TRANSMISSION								
Type	•	Reversing 6-stage with 2 ranges			Reversing 4-stage with 2 ranges			
Number of Gears (F/R)	•	12 / 12 Super creeper gears 20 / 4		16 / 16		24 / 24		
Reverser	•	Mechanical (SynchroShuttle)				Electrohydraulic (PowerShuttle)		
Multiplier	•	-		2-stage (PowerShift)		3-stage (PowerShift)		
Clutch Button	•	-				Clutch button located on the shift lever (PowerClutch)		
Shifting	•	Mechanical				PowerShuttle / PowerClutch		
Max. speed	km/h	30/40			40			
PTO								
Type	•	Independent and ground speed			Independent and ground speed, wet multi-plate clutch			
Rear PTO Revolutions	rpm	540/1,000 or 540/540ECO						
Front PTO Revolutions ^{OPT}	rpm	1,000						
Max. Power of Front PTO ^{OPT}	kW	45			60			
HYDRAULICS								
Type	•	Mechanical with regulation			Mechanical with regulation / Electrohydraulic (EHR) ^{OPT}			
Gear Pump Capacity	l/min	60						
Rear Hydraulic remotes (Quickcouplers)	•	4+1 or 6+1 ^{OPT}			4+1 or 6+1 ^{OPT} or 8+1 ^{OPT} (only with EHR)			
Operating Pressure	MPa	19						

MODEL	UNITS	PROXIMA CL		PROXIMA GP		PROXIMA HS		
		100	110	100	110	100	110	120
THREE-POINT HITCH								
Type	•	Category II						
Max. Lift Capacity of Rear TPH	kN	46						
Lift Capacity in Full Range of Rear TPH	kN	39						
Max. Lift Capacity of Front TPH	kN	23						
Lift Capacity in Full Range of Front TPH	kN	21						
CAB								
Roof with sunroof	•	Standard						
Driver's Seat	•	Mechanically or pneumatically ^{OPT} suspended						
Passenger's Seat	•	OPT						
Heating	•	Standard						
Air-Conditioning	•	OPT						
Heated Mirrors and Rear Defroster	•	OPT						
Pre-Wiring for Radio / Radio	•	Standard / OPT						
Steering Wheel	•	Fixed / Adjustable (tiltable and telescopic)						
UNDERCARRIAGE								
Drive System	•	4WD						
Steering	•	Hydrostatic						
Operating brakes	•	By connecting front driven axle (for 30km/h) / Hydraulic wet four wheel brakes (for 40 km/h)	Hydraulic wet four wheel brakes + connected front driven axle (only for 40 km/h)					
Trailer brakes ^{OPT}	•	Air (2+1 hoses) / air (2 hoses) a hydraulic (1 hoses)						
Fuel tank	l	150				180		
Urea tank	l	21						
Front Mudguards	•	Standard						
OTHER SPECIFICATION								
Operating Weight ¹	kg	3930 - 4550		3960 - 4700		4130 - 4700		
Max. Front Ballast	kg	267, 467, 600 / 300 PTBZ						
Max. Rear Wheel Ballast	kg	92, 152, 272						
Max. Technically Permissible Weight	kg	6500						
Length * / Width ** / Height max.	mm	4140-4730 / 2130 / 2775						
Length/ Width / Height min.	mm	3630-3760 / 1960-2005 / 2765						
Wheelbase	mm	2328				2442		





Other optional equipment: Front PTO, front TPH with hydraulic remotes, radio, heated mirrors and rear window, working lights, beacons, other types of wheels and ballasts
^{OPT} Optional¹ Without front and rear ballast * Max. length with front and rear ballast ** Max. width without mirrors

Zetor

My family.
My work.
My Zetor.



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www.zetor.com
zetor@zetor.com

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