

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)	76-96	↗	76-117
Transmission	Mechanical 6-stage	↗	Mechanical 4-stage with 3-stage multiplier, PowerShuttle
Number of Gears	12/12 or creeper 20/4	↗	24/24
Reverser	Mechanical	↗	Electrohydraulic (PowerShuttle)
Hydraulics – Control	Mechanical	↗	Mechanical/electronic (HitchTronic) ^{OPT}
Outer Circuits Tapping (max)	6+1	↗	8+1
Tank Capacity (l)	150	↗	190
Length (mm)	4 710	↗	4 941
Wheelbase (mm)	2 308	↗	2 442

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
- Sunroof



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.

The **Proxima CL** represents a popular tractor with the power of 80 to 100 HP. The tractor is equipped with a standard mechanical transmission 12/12 or optionally with super creeper transmission 20/4.

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. Tractors cover a power range between of 80 to 120 HP.





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.

The excellently high torque rise lends the ZETOR engines resiliency and allows them to work at low revolutions under high loads without the need of frequent gear change.

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

Proxima tractors are equipped with ZETOR engines meeting the Stage IV emission standard. The engines include an active DPF and the SCR system.

Category T2 Proxima tractors use engines with Stage IIIB emission level, only equipped with a DPF filter (without urea need).



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**
Tractors meet the current 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.

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, 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



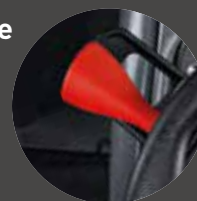
PowerShift

Three-stage torque multiplier



Powershuttle

Hydraulic reverser



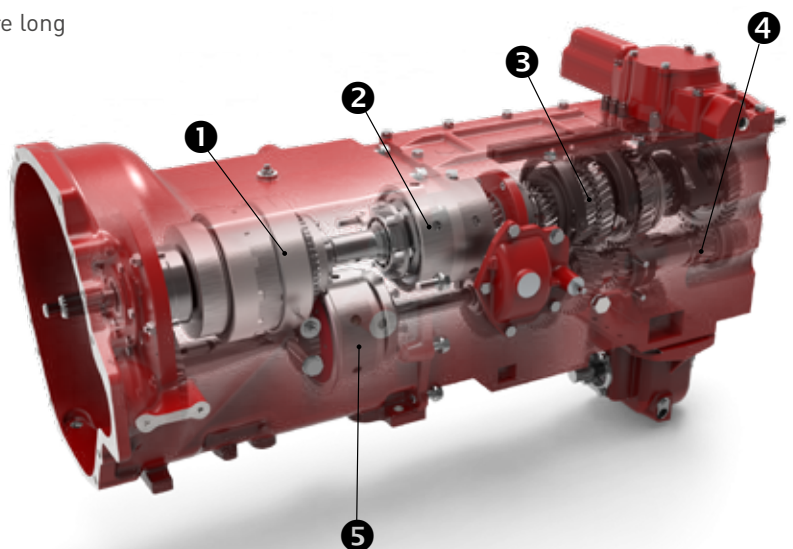


A solution for everyone

- **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
- **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 – 540/1000 rpm or 540/540E



Proxima HS gearbox





To control the three-point hitch, Proxima tractors are equipped with a mechanically operated hydraulic distributor. Tractors may optionally be fitted with a BOSCH electro-hydraulic system with HitchTronic function. The maximum lifting force of the three-point hitch is 45 kN.

HITCHTRONIC

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

For your comfortable work with implements the PROXIMA HS tractors may be equipped with an optional up to 4-section distributor and an EHR Bosch with HITCHTRONIC function.





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.

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



The Zetor seat provides ergonomic 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.





		PROXIMA CL			PROXIMA HS				
MODEL	UNITS	80	90	100	80	90	100	110	120
ENGINE									
Engine Stage IIIB	•	Z1106	Z1206	Z1006	Z1106	Z1206	Z1006	Z1306	Z1406
Engine Stage IV	•	-	-	Z1017	-	-	Z1017	Z1317	Z1417
Power (2000/25 EC)	kW	56	64	70	56	64	70	78	86
	HP	76	87	96	76	87	96	106	117
Rated Speed	rpm	2,200							
No. of Cylinders / Valves	•	4 / 16							
Aspiration	•	Turbocharged							
Bore / Stroke	mm	105 / 120							
Displacement	cm³	4,156							
Max. Torque* (Stage IIIB)	Nm	316	370	429	316	370	429	461	493
Torque Reserve** (Stage IIIB)	%	35	38	46	35	38	46	40	37
Max. Torque* (Stage IV)	Nm	-	-	420	-	-	420	472	507
Torque Reserve** (Stage IV)	%	-	-	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° 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}							
Operating Pressure	MPa	19							
Hydraulic remotes (Quickcouplers)	•	4+1 or 6+1 ^{OPT}			4+1 or 6+1 ^{OPT} or 8+1 ^{OPT} (only with EHR)				

*2000/25/EC, **ECE R24, ***available for Stage IV model only

		PROXIMA CL			PROXIMA HS				
MODEL	UNITS	80	90	100	80	90	100	110	120
CAB									
Roof	•	with sunroof (standard) / sunroof with FOPS protection (optional)							
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	l	150 / 28			190 / 28				
Front Mudguards	•	Standard							
OTHER SPECIFICATION									
Operating Weight*	kg	3,930-4,550			4,130-4,550				
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: