

*Zetor*

# MAJOR

MAJOR CL

MAJOR HS



LITTLE HELPER FOR BIG CHALLENGES



Tractor is Zetor. Since 1946.



## PERFORMANCE

**Major** tractors have always been designed to provide the best combination of engine power and tractor weight, thereby enabling the tractor to make full use of its power.

## ENDURANCE

For **Major** tractors maximum emphasis is put on simple, smart and effective design. This is the only way of achieving reliability, simple maintenance and quick servicing.

## TOTAL COST OF OWNERSHIP

With their simple design, **Major** tractors are easy to service and have a low fuel consumption. In the long term, everyone gets to appreciate the affordable spare parts.

A universal farm tractor, intended for working with agricultural implements and for agricultural transport, it has been designed to honour the basic pillars of the Zetor brand. With its power category under 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 working for a lifetime. These qualities, and the excellent price-to-power ratio, are appreciated mainly by owners of family farms.

	MAJOR CL		MAJOR HS
Engine power (HP)	75	=	75
Transmission	4 mechanical gears with 3 ranges and synchro shuttle	↗	4 mechanical gears with 3 ranges, 2-speed torque multiplier and electro-hydraulic reverser
Number of gear ratios	12/12	↗	24/12
Travel speed (km/h)	30	↗	40
Minimum speed (km/h)	1.5	↘	0.5
Maximum lift capacity (kN)	24	↗	33
Total tractor weight (kg)	4,300	↗	5,100
Fuel tank capacity (l)	80	↗	120
External outlets (quick-couplings)	4+1	↗	6+1





### **Major CL**

A simple, time-tested compact tractor from the lower HP category which is designed to meet your everyday needs, whether in livestock, arable or municipal duties. It is designed for customers requiring a robust and easy-to-maintain workhorse.

### **Major HS**

A better-equipped and more comfortable tractor derived from the Major CL. It meets the requirements of the most demanding customers who seek high reliability, easy operation and low operating costs. You will appreciate its capabilities it is used in combination with a front loader.

#### **NEW IN 2018 MODELS**

- Safety package (more powerful brakes, seat with safety sensor, seat-belts...)
- New panoramatic rear mirrors
- Newly designed switches, controls and pedals with improved ergonomics





## ENGINE

Big power  
in a little helper

The exceptional popularity of Zetor tractors 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.

- 4 CYLINDER IN-LINE ENGINE
- DISPLACEMENT: 2.9 LITER
- HIGH PRESSURE COMMON RAIL SYSTEM
- TURBO CHARGE-AIR COOLING
- OXIDATION CATALYST (DOC) EXHAUST AFTER-TREATMENT SYSTEM





## GEARBOX

Shifting smoothly  
towards higher  
productivity

**Major CL** 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.

- PROVEN LONG-TERM FUNCTIONALITY AND RELIABILITY
- SIMPLE SERVICING
- 12/12 SPEEDS
- SMOOTH CHANGE OF GEARS
- FOUR-SPEED GEARBOX WITH 3 RANGES AND REVERSER
- MAXIMUM SPEED 30 KPH
- PTO SPEEDS OF 540/1000 OR 540/540E
- GROUND SPEED AND INDEPENDENT PTO

**Major HS** is equipped with a gearbox offering 24 forward speeds and 12 reverse speeds, which is provided by a two-stage torque multiplier (PowerShift) and electro-hydraulic reverser (PowerShuttle).

- ELECTRO-HYDRAULIC REVERSER
- TWO-STAGE TORQUE MULTIPLIER
- 24/12 SPEEDS
- MAXIMUM SPEED 40 KM/H
- MINIMUM SPEED FROM 0.5 KM/H = SUITABLE FOR CREEPER OPERATIONS
- 6 GEARS RATIOS IN THE SPEED RANGE FROM 4-12 KM/H
- ELECTRO-HYDRAULIC CONTROL OF PTO CLUTCH
- PTO SPEEDS OF 540/1000
- GROUND SPEED AND INDEPENDENT PTO







## HYDRAULICS

Simplicity  
is strength

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 Major CL is equipped with one pair, or optionally two pairs of hydraulic quick-couplers at the rear of the tractor, while with the Major HS, up to three pairs of quick couplers can be specified.

- MECHANICAL HYDRAULICS WITH POSITION AND FORCE REGULATION
- HIGH LIFTING CAPACITY, SMOOTH STARTING CONTROL AND HYDRAULIC LOCK FUNCTION FOR IMPLEMENT TRANSPORT
- THE MAXIMUM LIFT CAPACITY IS 24 KN FOR THE MAJOR CL AND 33 KN FOR THE MAJOR HS
- DESCEND CONTROL
- 1 OR 2 PAIRS OF QUICKCOUPLERS ON MAJOR CL AND 2 OR 3 PAIRS ON MAJOR HS
- PRESSURE LESS FREE RETURN STD.
- MECHANICAL CONTROL – HIGH DURABILITY AND LONG LIFE
- HYDRAULIC LOCK FUNCTION



## CAB

## Roomy and practical

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 glass roof hatch which increases loader visibility and safety when operating the loader at height.

### NEW MAJOR HS

- STEERING COLUMN WITH FULLY ADJUSTABLE STEERING WHEEL
- REDUCED CAB NOISE
- SPRING-SUSPENDED SWIVEL DRIVER'S SEAT WITH ARM RESTS AND HIGHER BACKREST
- COMFORTABLE FOLDING PASSENGER'S SEAT
- DASHBOARD WITH DIGITAL DISPLAY
- MULTIPLE STORAGE SPACES
- SEAT-BELT FOR DRIVER AND PASSENGER SEAT





## 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

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.

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.**





# 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 lead 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 bserves the principles for the comprehensive quality control.





MODEL	UNITS	MAJOR CL 80	MAJOR HS 80
ENGINE			
Engine Type	•	Deutz TCD 2.9 L4	
Emission level	•	Stage IIIB / Tier 4 Interim	
Engine design	•	Diesel, direct fuel injection, common rail, turbocharged, DOC filter	
Power (2000/25/EC)	kW	55.4	
	HP	75.3	
Rated Speed	rpm	2,200	
No. of Cylinders / Valves	•	4 / 8	
Aspiration	•	Turbocharged	
Bore / Stroke	mm	92 / 110	
Displacement	cm³	2,925	
Max. Torque	Nm	300	
Torque Rise	%	25	
TRANSMISSION			
Type	•	4 mechanical gears with 3 ranges	4 mechanical gears with 3 ranges and a 2-stage torque multiplier
Shifting	•	Fully Synchronized	
Number of Gears (F/R)	•	12/12	24/12
Reverser	•	Mechanical (synchronized)	PowerShuttle (Electro-Hydraulic)
Multiplier	•	-	2° PowerShift
Speed	km/h	30	40
PTO			
Type	•	Independent / ground speed	
Rear PTO Revolutions	rpm	540/1,000 or 540/540E	540/1,000
Control	•	mechanical	electrohydraulic
End piece	•	6 grooves	
Front PTO Revolutions <sup>OPT</sup>	rpm	1,000	
HYDRAULICS			
Type	•	mechanical with regulation	
Three-Point Hitch	•	Category II	
Max. Lifting Capacity	kN	24	33
Lifting Capacity in full range	kN	23	30
Max. Lifting Capacity of front TPH	kN	13	
Pump Capacity	l/min	50	
Hydraulic remotes (Quickcouplers)	•	4+1 or 2+1	6+1, 4+1 or 2+1

MODEL	UNITS	MAJOR CL 80	MAJOR HS 80
CAB			
Roof with the window	•	standard / protective roof FOPS <sup>OPT</sup>	
Seat	•	Mechanical suspended with safety belt	Mechanical suspended and swivel seat with safety belt
Passenger Seat	•	-	standard (with safety belt)
Heating	•	Standard	
Air-Conditioning	•	Optional	
Pre-Wiring for Radio / Radio	•	Standard / optional	
Steering Wheel	•	tilt	tilt and telescopic
UNDERCARRIAGE			
Drive System	•	4WD	
Steering	•	Hydrostatic	
Operating brakes	•	Mechanical control with connecting to front axle	Hydraulic control with connecting to front axle
Trailer brakes <sup>OPT</sup>	•	Pneumatic 2+1 hoses or hydraulic & pneumatic 2+0 hoses	
Fuel tank	l	80	120
Front Mudguards	•	Fixed <sup>OPT</sup>	Pivoting
DIMENSIONS			
Operating Weight*	kg	3,750-4,546	4,014-4,257
Max. Front Ballast <sup>OPT</sup>	kg	666	
Max. Rear Wheel Ballast <sup>OPT</sup>	kg	270	
Max. Length	mm	4,470	
Max. Width	mm	1,955	
Max. Height	mm	2,615	
Wheelbase	mm	2,200	

<sup>OPT</sup> Optional

\* Without front and rear ballast





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



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DEALER: