

Zetor

PROXIMA P100SSC SERIES P100PSC HT SERIES



Tractor is Zetor. Since 1946.



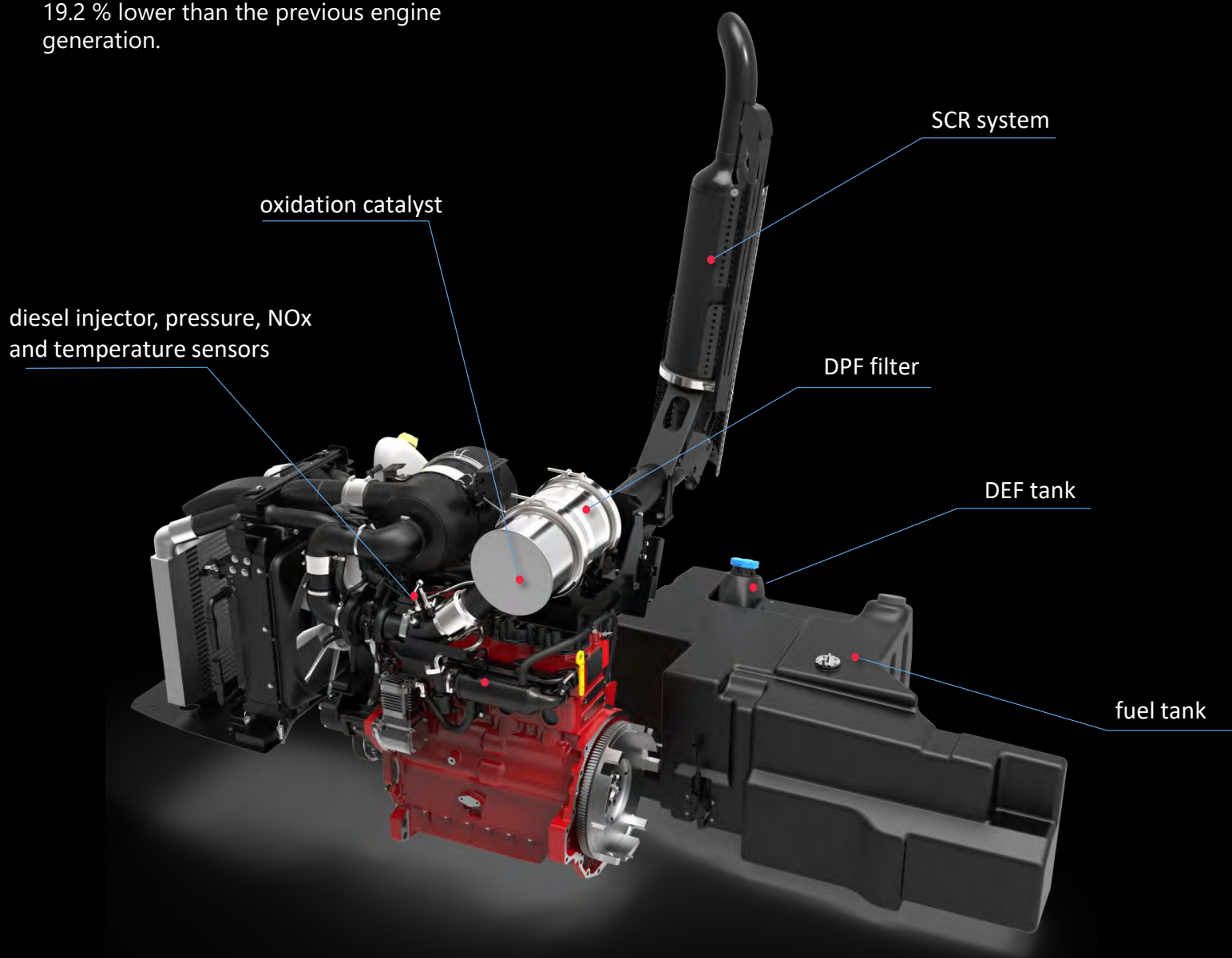


Zetor Premium Engines

PROXIMA Series T4F Engines are the most advanced four-cylinder series ever built.

All P100 Series tractors equipped with the new T4F engines meeting US EPA Emission standards were tested by scientists from Mendel University.

The study results confirmed that fuel consumption of the new engines are up to 19.2 % lower than the previous engine generation.



New T4F Zetor engines do not use emission sensors, only the aftertreatment , DOC and catalyst have emission control sensors.

The fuel tank and Def urea tank is blended together as shown above.

The DPF filter combined with the muffler is under the hood.



P100 Series tractors are equipped with Zetor's top of the line highly popular 4-cylinder Cast Iron block engine with 16-valve technology, twin balancing shafts and wet cylinder liners providing a smooth operating engine.

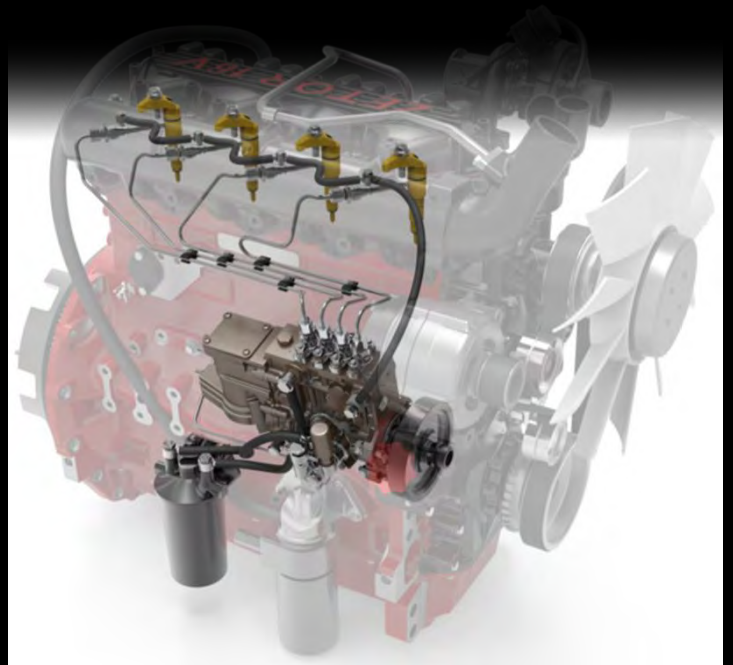


Zetor is the only manufacturer producing T4F engines without common rail injection system. T4F is achieved with emission levels of the SCR + DPF + Electronic governor and a mechanical injection system. Higher resistance to lower fuel qualities (impurities, sulphur content) together with precise control and improved engine characteristics are all Key features over what a High Pressure Common Rail Engine can tolerate.

Zetor In-line mechanical injection pump with electronic governor.

The mechanical regulator is replaced with an electromagnetic controller.

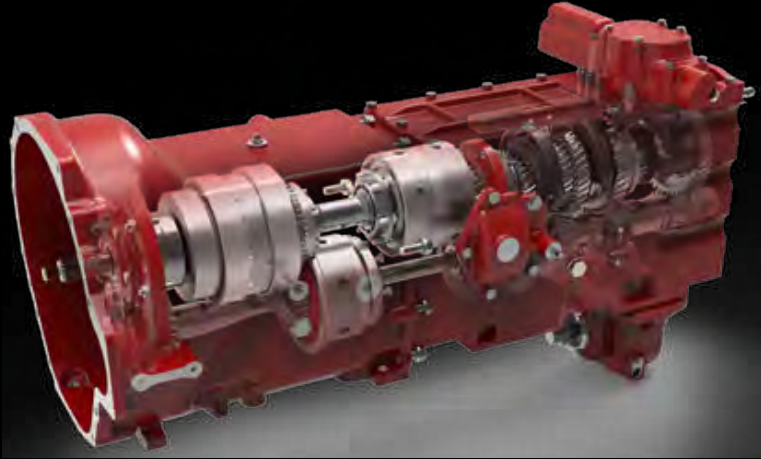
The system is controlled by an electronic control unit based on information from crank shaft speed sensors, air temperature intake and pressure, cooling fluid temperature, accelerator position.



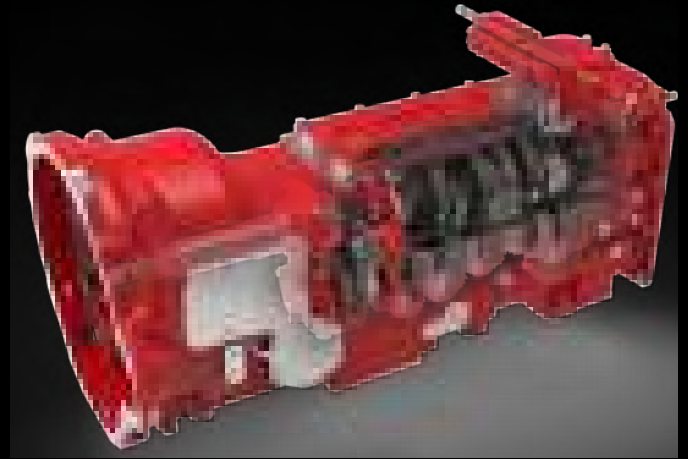


Zetor Transmissions

100PSC HT Series 24F/24R



P100SSC 12F/12R

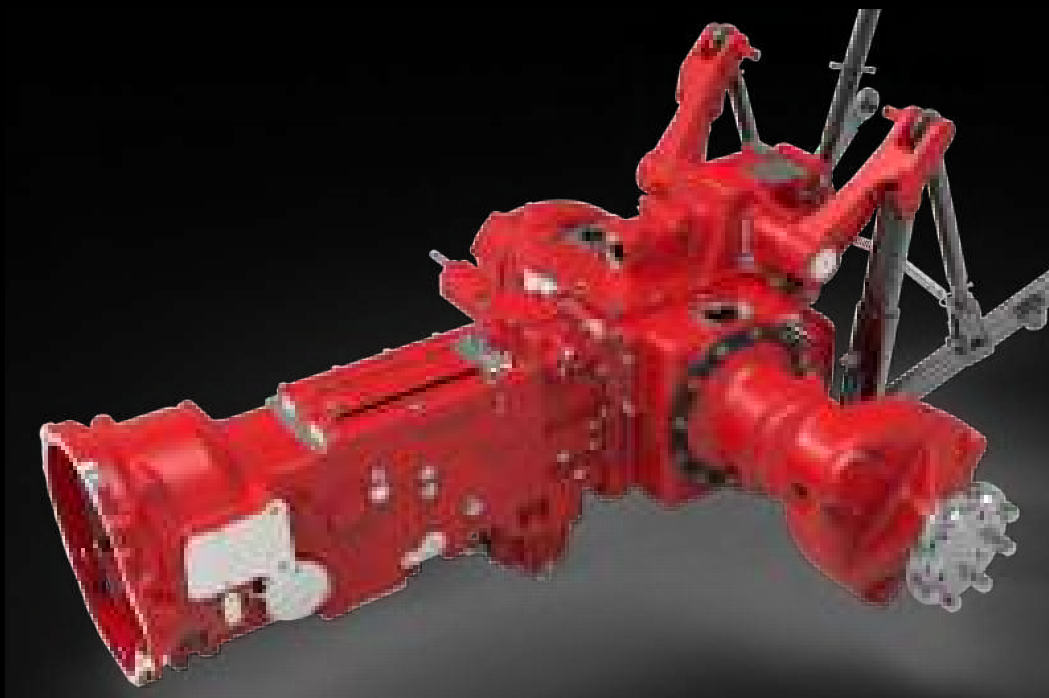


PROXIMA P100PSC HT Series tractors feature a 4-speed transmission with 3-Powershift speeds, 2-ranges and a hydraulic Power Shuttle reverser giving the operator 24F/24R speeds selection. The tractor's reach top road speeds at 25 MPH (40 Kph).

The reliable three-speed Powershift comes from previous generations of the FORTERRA Series that can be controlled either manually or automatically.

The **PROXIMA P100SSC Series** tractors are built with a less sophisticated 12F/12R Synchronized Mechanical Shuttle transmission with an optional 20F/4R with super creeper speeds as low as .136 MPH.

All Models are equipped with multi-wet brake linings submerged in oil pressure lubricated for long life and maximum stopping power. The **P100PSC HT** tractor models are also factory equipped with front hydraulic wet-disc brakes giving the tractor's ultimate stopping power with 4-wheel hydraulic braking.





Zetor Premium Hydraulic System

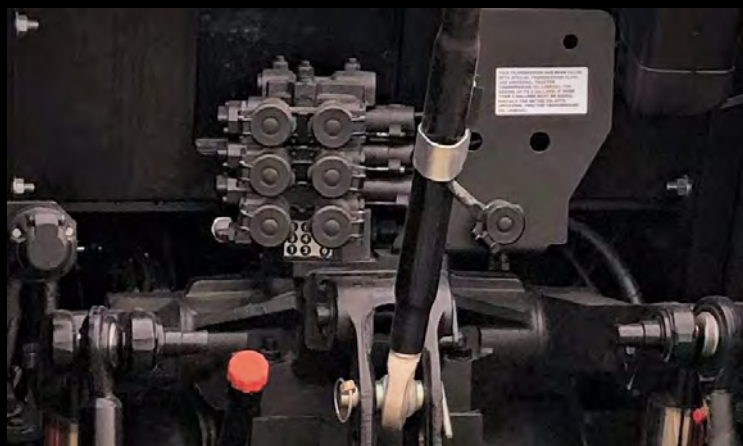
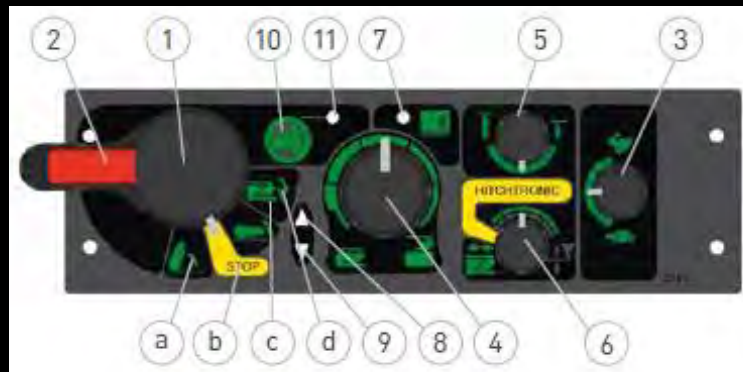
All **P100PSC HT** tractor models are equipped with Bosch electro-hydraulics with Zetor HITCHTRONIC™ (ELC) function of the 3-point hitch with lower link electronic draft sensing, position and mix controls with precise measurements.

Both the left and right outer fenders have raise and lower control buttons of the 3-point hitch and PTO kill standard.

HITCHTRONIC™ by Zetor decreases the fuel consumption by an additional 5 to 7% and automatically regulates the 3- Point Hitch by measuring the soil resistance.



1. 3-Point Hitch Lift Control Up/Down (4 positions)
 - a. Transport, Lift
 - b. STOP
 - c. Setting, lower (working)
 - d. Free position, quick sinking – automatic lever return to position (c) by spring
2. Blocking (in transport position)
3. Lowering speed
4. 3-Point Hitch Lift position settings
5. 3-Point Hitch Lift Raise position limit
6. Smooth setting (mixing) the power-to-position
7. Indicator light - diagnostics
8. Indicator light - lift
9. Indicator light - lower
10. Oscillation compensator (damping) switch
11. Indicator light - oscillation damping on/Hitchtronic on



All models comes factory equipped with 3-premium 4-way rear remote valves + 1 Free Return Coupler, (4-optional HT Series). Each valve section has float/detent/single acting and double acting functions.

Zetor



Zetor **P100 Series** tractors have the strongest 3-Point hitch lifting capacity of any brand on the market today.

CAT II, 3-Point Hitch with HD Lift Arms, HD Telescopic Stabilizers and HD Extendable Ball Link Ends enables the tractor to carry heavy loads with ease Safely. QUICK hitch Hook Ends are optional.

The tractors are equipped with a large capacity inner lift cylinder plus two external auxiliary assist cylinders. HD swinging drawbar with hammer strap and tow pin comes standard.





Zetor Premium Comfort

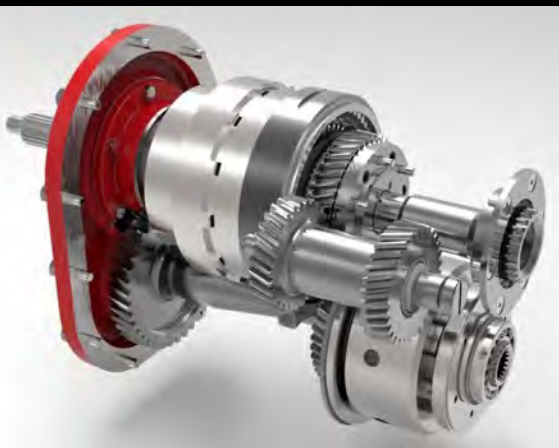


- Premium Climate Control CAB including AC/Heater and Forced Air front windshield defrost
- Electric rear window defrost
- Right hand console & B-Post Control Center
- Stereo ready with speakers and antenna
- Premium Cloth Air-ride suspension seat with swivel/recline/for/aft/rocker control/dual armrest
- Premium cloth folding instructor seat
- Tilt wheel with telescopic steering column
- Locking L/R doors, L/R corner windows and rear window
- Telescopic L/R heated outer mirrors
- F/R Wipers with washer tank
- 3-Premium, 4-way mechanical control rear remote valve levers
- Windshield sun screen
- Fresh air ventilation
- Retractable seatbelts

• P100PSC HT Series CAB Model Pictured



Zetor Premium Features



Zetor **PSC HT** manufactured transmissions, multi-wet clutch packs, Powershift (Torque Multiplier).

Helical cut gear sets.

Pressure oil lubrication.

PSC HT Power Shuttle reverser control.

Enables forward/reverse motion without clutching or stopping tractor.



Multiple Wet-disc brakes. Provides ultimate braking and stopping power, submerged in oil for long life.

P100PSC HT Series tractors feature 4-wheel hydraulic braking. Front wheel hubs also have multi-wet hydraulic disc brakes.

3-Powershift speeds. Control buttons on inside of shift knob.

De-Clutch PowerClutch trigger function on front side of knob.

Enables shifting without clutching tractor.

HSX pictured



Factory Air-Ride Premium Seat all **P100** Series.

For/Aft/Recline/Rocker/Swivel



All P100 Series feature factory on-board air compressor system.

Serves multiple functions plus able to air tires and clean out cooling pack under hood.



2020 PRODUCTION TRACTOR MODEL	P100SSC	P110SSC
ENGINE	ZETOR 254 ci (4.156L), 4-Cylinder, Water Cooled, 16-Valve, Wet Sleeves Diesel, Block Heater, No engine emission sensors	
Type	Fixed geometry wastegate turbocharger: air-to-air aftercooling	
Emissions T4F	DOC catalyst, an active DPF filter and SCR technology urea (DEF)	
After-Cooling	Cooled exhaust gas recirculation (using engine coolant)	
Fuel System	ZETOR Inline mechanical injection pump, replaceable injectors, interchangeable nozzles, electronic governor, ignition key Shut-off	
Rated Engine HP (kW) @ 2200 rpm	99 (73.8)	107 (79.8)
Net Engine Power HP (Kw) @ 2200 rpm	94.4 (70.4)	94.4 (70.4)
Rated PTO Power HP (Kw) @ 2200 rpm	80 (59.6)	85 (63.4)*
Engine Torque Ft Lbs. (Nm) @ 1480 rpm	310 (420)	
Engine % Torque Rise	42%	
Fuel / Def Tank Capacity USG (L)	39.6 (150) / 7.4 (28)	
POWER TRAIN		
Transmission	12F/12R Full Synchronized Mechanical Shuttle	
Transmission Option	20F/4R Super Creep	
Max. Ground Speed MPH (Kph)	19 (30)	
Clutch	12" Ceramatallic Disc, Hydraulic Engagement	
Rear Brakes	Hydraulic Multi-Wet Disc	
Front Brakes	Dynamic thru 4wd	
Emergency Brakes	Rear Disc, Mechanical Hand Engagement	
Power Steering GPM (L/pm)	6.0 (23), Dedicated Circuit, Reservoir and filtration	
Independent PTO Clutch	Dual 12" Ceramatallic Disc, Independent of Transmission	
Independent PTO Engagement	Mechanical Lever	
Power Take-Off (PTO)	540 / 1000	
HYDRAULIC SYSTEM		
Open Center	Dual Gear Pumps, Single Inner Piston Plus 2- outer Auxiliary lift cylinders	
Total Flow GPM (L/pm)	23 (87)	
Flow to Remotes GPM (L/pm)	17 (60)	
Rear Remote Valves	3 – Premium with Float	
Controls	Position/Draft/Mix/ Mechanical	
CAT II 3-Point Hitch & Drawbar	HD Telescopic Link Ends and Telescopic Stabilizers Plus	
Drawbar	HD Drawbar with Hammer strap and Tow Pin	
3-PH Lift Capacity @ Ball Ends Lbs. (kg)	9,921 (4500)	
3-PH Lift Cap. @ 24" Ball Ends Lbs. (kg)	7,738(3510)	
ALL WEATHER PREMIUM CAB	AC/Heat/Forced Air Windshield Defrost, Tilt & Telescopic Steering, Stereo Ready, F/R Wipers, Electric Rear Window Defrost	
Operator Seat, Retractable Seatbelt	Premium Air-ride/Recline/Swivel/Rocker/For/Aft/Dual Armrest	
Folding Premium Cloth w/Retractable Seatbelt	Optional	
Windows	Locking Left and Right Doors, Left and Right Corner Windows & Rear Window	
ELECTRICAL & ACCESSORIES	12V, CCA, Alternator	
Cab Controls	B-Post, Dash & Right Console	
Cab Lights	0 Front (Optional 4- Front), 3 Rear (Optional 4- Rear)	
Front Hood /Brake / Taillights	4 / 2 / 2	
Turn Signals Front / Rear	2 / 2	
Emergency Signals Front / Rear	2/ 2	
Accessories	Dome Light, Horn, 12V Power Outlet, 7-Pin Socket, L/R Outer Cab Mirrors	
On-Board Air Compressor & Tank	Standard, Includes Air hose for tire fill	
DIMENSIONS		
Overall Length with 3-Point Hitch in. (mm)	185.4 (4710)	
Overall Width in. (mm)	88.2 – 104.2 (2240 – 2646)	
Wheelbase in. (mm)	90.8 (2308)	
Height to Top of CAB in. (mm)	112.2 (2850)	
Operating Weight Lbs. (kg)	10,000 (4536)	

Nominal data is metric. Standard data is converted from metric data. EPA-Rated net-power (+max. Torque) acc. to 40CFR Part 1039 in the same rated engine speed as per 97/68/EC *Manufacture estimate. 340/85R24 Front radials, 460/85R34 Rear radials



MODEL	P100PS HT	P110PS HT	P120PS HT	P130PS HT
ENGINE	ZETOR 254 ci (4.156L), 4-Cylinder, Water Cooled, 16-Valve, Wet Sleeves Diesel, Block Heater			
Type	Fixed geometry wastegate turbocharger: air-to-air aftercooling			
Emissions T4F	DOC catalyst, an active DPF filter and SCR technology urea (DEF), No engine sensors			
After-Cooling	Cooled exhaust gas recirculation (using engine coolant)			
Fuel System	ZETOR Inline mechanical injection pump, injectors, interchangeable nozzles & electronic governor			
Rated Engine Power HP (Kw) @ 2200 rpm	99 (73.8)	110 (79.8)	120 (89.4)	127 (94.7)
Net Engine Power HP (Kw) @ 2200 rpm	94.4 (70.4)	105.1 (78.4)	115.6 (86.2)	115.6 (86.2)
Rated PTO Power HP (Kw) @ 2200 rpm	80 (63.3)	85 (63.4)*	90 (67.1)	95 (70.8)*
Engine Torque Ft Lbs. (Nm) @ 1480 rpm	310 (420)	349 (472)	374 (507)	374 (507)
Engine % Torque Rise	42%	43%	40%	40%
Fuel Tank Capacity USG (L)	50.2 (190)			
Def Tank Capacity USG (L)	7.4 (28)			
DRIVE	24F/24R Semi-Powershift with Power Shuttle & PowerClutch™ Button			
Max. Ground Speed MPH (Kph)	25 (40)			
Clutch	Multi-Wet Clutch Pack			
Rear Brakes	Hydraulic, Multi-Wet Disc			
Front Brakes	Hydraulic, Multi-Wet Disc			
Emergency Brakes	Rear Disc, Mechanical Hand Engagement			
Power Steering GPM (L/pm)	6.0 (23)			
Independent PTO and Clutch	540/1000 Speeds with Multi-Wet Clutch Pack			
Independent PTO Engagement	Electro-Hydraulic, 2-Position Switch			
HYDRAULIC SYSTEM	Bosch electro-hydraulics with HITCHTRONIC (ELC), Plus 2 auxiliary lift cylinders, Dual Pumps			
Total Flow GPM (L/pm)	23 (87)			
Flow to Remotes GPM (L/pm)	17 (60)			
Rear Remote Valves	3 Standard, (Option 4)			
CAT II 3-Point Hitch Control	Position/Draft/Mix, ELC CAB Controls Plus Left / Right Outer Fender ELC Controls			
CAT II 3-Point Hitch & Drawbar	HD Telescopic Link Ends and Telescopic Stabilizers Plus HD Drawbar & Hammer strap & tow pin			
3-PH Lift Capacity @ Ball Ends Lbs. (kg)	9,921 (4500)			
3-PH Lift Cap. @ 24" Ball Ends Lbs. (kg)	7,738(3510)			
ALL WEATHER PREMIUM CAB	AC/Heat/Defrost, Tilt & Telescopic Steering, F/R Wipers, B-Post Controls, Stereo Ready			
Operator Seat, Retractable Seatbelt	Premium Air-ride/Recline/Swivel/Rocker/For/Aft/Dual Armrest			
Instructor Seat	Premium Folding Premium Cloth w/Retractable Seatbelt			
Windows	Locking Left and Right Doors, Left and Right Corner Windows & Rear Window			
ELECTRICAL & ACCESSORIES	12V, CCA, Alternator			
Front / Rear Cab Lights	4 / 4			
Front Hood /Brake / Tail Lights	4 / 2 / 2			
Turn Signals Front / Rear	2 / 2			
Emergency Signals Front / Rear	2/ 2			
Accessories	Dome Light, Electric Horn, 12V Power Outlet, 7-Pin Electrical Socket, Toolbox			
On-Board Air Compressor	Standard equipment with air hose and tire fill nozzle			
DIMENSIONS				
Overall Length with 3-PH in. (mm)	194.5 (4941)			
Maximum Width in. (mm)	88.2 – 104.2 (2240 – 2646)			
Wheelbase in. (mm)	96.1 (2442)			
Height to Top of CAB in. (mm)	112.2 (2850)			
Operating Weight Lbs. (kg)	10,700 (4853)		10,900 (4944)	
Max. Payload Capacity Lbs. (kg) @ 25 MPH	15,000 (6804)		15,200 (6894)	

Nominal data is metric. Standard data is converted from metric data. EPA-Rated net-power (+max. Torque) acc. to 40CFR Part 1039 in the same rated engine speed as per 97/68/EC

*Manufacture estimate. 340/85R24 Front radials, 460/85R34 Rear radials



ZETOR FRONT END LOADER SYSTEMS	ZM229 MSL HD	ZL31 / ZL31S NSL	ZL36/ZL36S MSL HD	ZX3.1 MSL XHD
Lift Cap to full height @ pivot pins Lb. (kg)	N/A	3,748 (1700)	3,108 (1410)	4,210 (1,910)
Lift Cap to 60 inch (1.5M) 31.5 in. Fwd. Lb. (kg)	5,979 (2712)	3,020 (1370)	3,439 (1560)	3,968 (1,800)
Lift Cap to full height 31.5 in. Fwd. Lb. (kg)	4,442 (2015)	2,138 (970)	3,351 (1520)	3,593 (1,630)
Max lift height @ pivot pins in (mm)	136.8 (3475)	133.9 (3400)	133.9 (3400)	147.6 (3750)
Max lift height under attachment in (mm)	119.6 (3038)	126 (3200)	125.9 (3200)	135.8 (3450)
Max dump angle, degrees °	34°	50°	50°	60°
Max rollback angle, degrees °	55°	44°	44°	43°
Bucket width inch	78 – 86 - 94	73 - 85	73 - 85	73 – 85 - 93
Euro Carrier	STANDARD	STANDARD	STANDARD	STANDARD
Skid Steer Carrier	Optional	Optional	Optional	Not Available
Hydraulic 3 rd Function	STANDARD	Optional	Optional	Optional
Soft Ride	Optional	Optional	Optional	Optional
Total loader weight, less bucket Lb. (kg) approx.	2,325 (1054)	1,860 (844)	1,985 (900)	2,136 (968)
Bucket weight Lbs. (Kg)	472	380	380	380
Bucket weight Lbs. (Kg)	498	428	428	428
Bucket weight Lbs. (Kg)	536	-	-	645

Pictured with optional front 3-point hitch





ZETOR IS YOUR RELIABLE PARTNER

New ideas combined with simplistic and reliable designs coupled with low maintenance cost has earned Zetor tractors respect of commercial operators and farmers in over 130 countries, around the world.

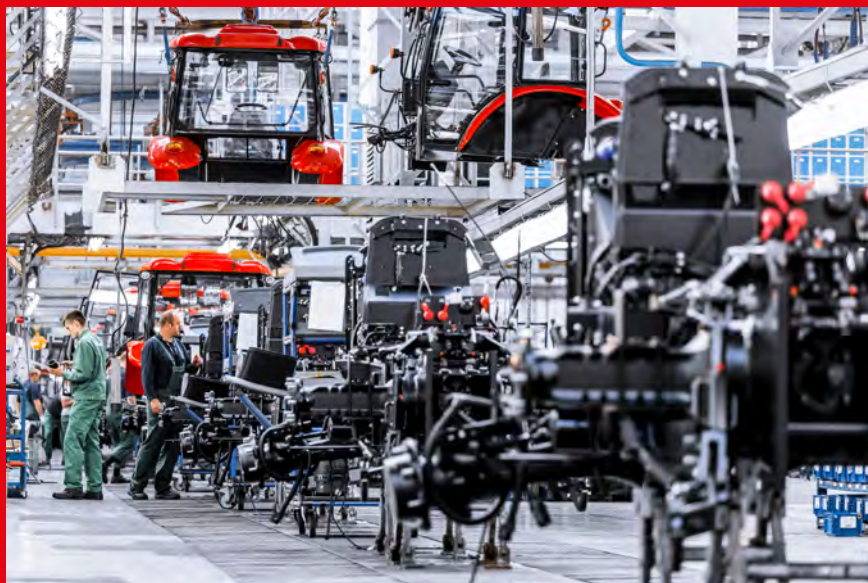
To achieve these high standards, Zetor uses exclusive in-house designs as well as the highest quality of components designed and manufactured in Europe and U.S.A.

Zetor tractors are manufactured and assembled in Brno, Czech, EU in their own manufacturing facility, a country known for its 100+ years tradition of advanced engineering and manufacturing.

Zetor tractors and attachments have been offered in North America through full-service dealerships since the 1960's.

Together, with a network of Full Service Zetor dealers, Zetor is dedicated to deliver parts and service support second to none.

All Zetor tractors carry 24 months of full coverage warranty with multiple optional extended powertrain and hydraulic warranties for all types of applications to fit your budget needs.



State-of-Art Manufacturing
Lower Cost of Ownership

ZETOR NORTH AMERICA

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