

ZETOR "Silver" Series Tractors

(70 to 120 Horsepower)



Models:

7020/ 7040

8020/ 8040

9020/ 9040

10040

9050

10050

11050

9050 Power Plus

10050 Power Plus

11050 Power Plus

12050 Power Plus

Silver Series

ZETOR

**Heavy Duty Tractors
For Professionals
Since 1946**

Zetor has been designing and manufacturing rugged and durable tractors for professionals in more than 100 countries, for over 60 years. The Silver Series is the latest product of quality engineering and uncompromised production standards.

The well-equipped cab offers a flat, uncluttered floor and wide doors, for comfortable access from both sides. The cab has tinted windows. A fast responding heater and efficient air conditioning are standard.

The open-center hydraulic system is simple in design, operation and servicing, yet powerful in features.

The Zetor three-point hitch offers one of the highest standard capacities of any tractor of comparable horsepower. The hydraulic pump delivers 14 gallons per minute just for the three-point hitch and the loader.

Fully synchronized transmission of the "40" series with synchronized shuttle has 12 speeds forward and 12 reverse.

The "50" series has a new 16/16 synchro-shuttle transmission with two-stage power shift. The "50 Power Plus" series is equipped with 24/24 power shuttle transmission with wet clutch and three-stage power shift.

Well-balanced weight distribution over front and rear axle provides superior traction and reduced compaction.

The updated, rugged, easy-to-start engines provide outstanding fuel economy and very high torque.

The new hood is fully screened, to protect radiator from plugging.

All models are available with heavy duty, center drive shaft, mechanical front wheel drive. The front axle carrying capacity on both 4FWD and 2WD models is adequate for even the most demanding front loader work.

Full hydrostatic steering has its own hydraulic pump, fully independent from the main hydraulic pump.





More than a million Zetor Range 1 tractors, one of the most dependable tractor designs, are on the job in just about every part of the world. The new generation of Zetor Range 1 tractors is the "Silver" series.

The new models represent the latest refinement of the Zetor brand. Every model combines the heavy, tough, reliable and easy-to-service Zetor chassis with updated, more powerful, extremely fuel efficient, cleaner burning, state of the art engines, updated or new transmissions, new heavier front and rear axles, all-new hood, updated controls, more powerful hydraulic systems, more efficient brakes and a wide range of other improvements. New models also have simplified maintenance and substantially extended service intervals. What has not change is the basic Zetor Range 1 concept: Rugged piece of machinery for professional use for the cost of much lighter and less substantial competitors.

The open station models are all-mechanical tractors, thoroughly engineered using up-to-date technology in every aspect, while emphasizing the highest possible reliability and very easy and inexpensive servicing during their entire life.

The cab models maintain the all-mechanical design, in addition to having some electric and hydraulic controls to enhance the features and comfort.

The new Zetor "Silver" series are general purpose tractors in 70 to 120 engine horsepower range (63 to 104 PTO horsepower):

Series "20/40":

Models 7020 (2WD) and 7040 (4WD) ... 70 HP, available with and without cab

Models 8020 (2WD) and 8040 (4WD) ... 82 HP, available with and without cab

Models 9020 (2WD) and 9040 (4WD) ... 93 HP, available with and without cab

Model 10040 (4WD) ... 100 HP, available with and without cab

Series "50":

Model 9050 (4WD) ... 93 HP, available with cab only

Model 10050 (4WD) ... 100 HP, available with cab only

Model 11050 (4WD) ... 107 HP, available with cab only

Series "50 Power Plus":

Model 9050 (4WD) ... 93 HP, available with cab only

Model 10050 (4WD) ... 100 HP, available with cab only

Model 11050 (4WD) ... 107 HP, available with cab only

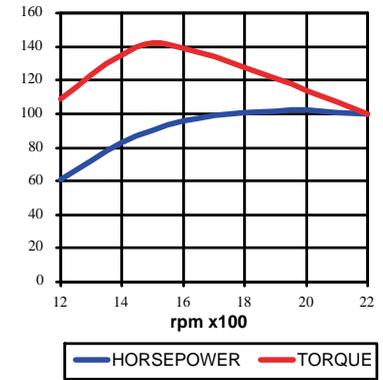
Model 12050 (4WD) ... 120 HP, available with cab only



Engine

Since 1946, Zetor tractors have relied on Zetor's own engines. The "Silver" series tractors are equipped with the latest generation of Zetor engines. New engines bring more power, high torque, along with smooth run and excellent cold weather starting. The large displacement of the new engines is based on proven higher-horsepower Forterra series engines, with horsepower reduced to meet the needs of mid-size tractors. This family of Zetor engines has become legendary during their 15 years of production for their reliability, extremely long life and easy servicing.

The new engines are product of quality engineering and decades of Zetor engine design expertise. Using state-of-the-art engine technology, the new engines meet EPA Tier 3 emission regulations without affecting their highly regarded fuel economy. At the same time, our engines maintain proven all-mechanical controls, so future servicing is greatly minimized and simplified.



The new Zetor engines have very high torque backup (over 40%), to reduce the need for down shifting. The engine horsepower stays constant through a broad range of engine speed.

It does not get any easier: The new hood provides exceptionally good access for all service jobs.

An air compressor is Standard on

"50" series and most of "20" and "40" series. You can use it to inflate tires, or to run various equipment. Most cab models use

the same air system to control the rear differential lock and the mechanical front wheel drive clutch. An air system in these applications, unlike hydraulic systems, is simple and maintenance-free.

Heavy engine blocks ensure minimal sleeve distortion and long service life.

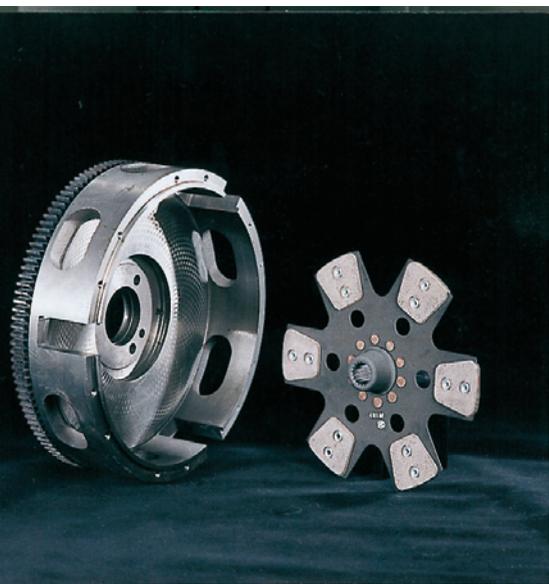


A dry air cleaner with main and safety elements is easy to service. Both elements are extra high capacity for extended service life.

The engine fuel filter, oil filter and oil fill plug and dipstick are centralized at one service-friendly location.

All Zetor tractors are equipped with a large all-copper radiator. New radiators are very efficient, and require less frequent cleaning. On tractors with air conditioning, the condenser slides to the side, to make cleaning easy.





Most Zetor tractors are used with front loaders. Models with dry clutch feature 12" heavy-duty engine clutch plate with industrial-grade cerametallic lining, especially suitable for loader work. High mass flywheel dissipates heat efficiently. Engine clutch does not require any adjustment. Heavy-duty throwout bearings are designed for the life of the engine. The hydraulic clutch controls were redesigned for the new series. Special geometry of the clutch pedal considerably reduces pedal effort. Low pedal force effort allows smooth and soft clutch engagement.

The Power Plus series is equipped with wet clutch.



Reliable Zetor in-line injection pump is superior to any rotary pump design and is designed for lifetime service-free operation. The in-line injection pump, together with high capacity battery (950 CCA) and efficient glow plug in each cylinder provide outstanding cold weather start.

In-line Zetor pumps also tolerate fuel of various quality much better than other designs – great advantage for everyday farming environment.

For almost 20 years, Zetor engines can be used with bio-diesel (even B100).



All Zetor engines have wet sleeves for easy and inexpensive overhauls. No special tools are required for engine repairs. Zetor engines are designed for the long haul. Compare with most competitors.

Zetor engines use precisely balanced components to ensure a smooth, vibration-free run. In addition, two precision-machined balancer shafts running in needle bearings, further reducing engine vibrations at any engine speed.



The side-mounted muffler is standard on all cab models. The operator's view is not restricted. Open station tractors use horizontal exhaust.



New larger fuel tanks with ground level fueling.



Zetor engines are equipped with a glow plug in each cylinder, automatically controlled by the key switch. After a few seconds of preheating, the engine will start immediately, even on very cold winter days, without the help of a block heater. This system is far superior to other starting aids and is totally maintenance-free. For extremely cold climates, a block heater is available as optional equipment.



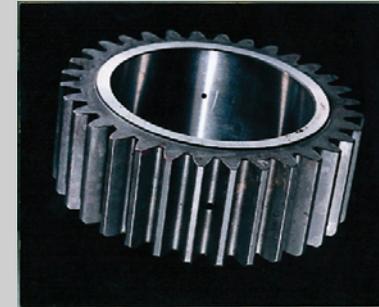
Transmission

The "20/40" series tractors come standard with smooth shifting fully synchronized mechanical shuttle transmission with 12 speeds forward and 12 reverse and mechanical PTO clutch.

The "50" series tractors are equipped with new 16/16 synchro-shuttle transmission with two-speed power shift and hydraulic PTO clutch.

The "50 Power Plus Series" features 24/24 power shuttle transmission with three-speed power shift.

Optional high speed versions are equipped with increased travel speed (24 mph top speed), to shorten travel times between work sites.



Inside the transmission, the same rugged, heavy, high-grade components and materials are used which made Zetor tractors famous for reliability and long life. Zetor transmissions are built to last. Simple design means easy servicing without expensive special tools, greatly reducing maintenance costs over long periods of time.

All gear shift levers are at optimized locations on the sides, leaving the floor clear and free of obstacles.

A mechanical synchronized shuttle reverser on the "20", "40" and "50" series is designed for loader work. Reverse speeds are slightly faster than forward speeds, for shorter cycles and better productivity. The smooth shifting shuttle shift lever is conveniently located on the left side of the steering wheel, leaving your right hand free to operate loader controls.



The mechanical differential lock is on most cab models engaged by an electro-pneumatic system and a switch on the dashboard. The differential lock is automatically disengaged by touching the brake pedals. Zetor's unique pneumatic system (unlike hydraulic control systems) is very simple. It is mounted externally - that means it is also very easy to service. Open station tractors use a mechanical differential lock control by a pedal.

Push buttons integrated into the main gear shift knob on the "50" and "50 Power Plus" series tractors engage the powershift. An additional button on the "Power Plus" tractors makes it possible to control the engine clutch while shifting gears (instead of using clutch pedal).



All 4WD models come with all-new, heavy duty, center drive shaft, mechanical front wheel drive. Front wheel drive can be engaged on-the-go (on most models, by an electric switch). Front axle load capacity has been further increased and is more than adequate for even the most demanding loader work. The drive shaft is fully shielded. The front drive axle with a very tight 55-degree turning angle provides turning radius comparable to 2WD tractors - a great advantage for loader work. Rugged and practical front fenders are standard on most models and keep operator's area clean. New rear axle has increased load capacity. Zetors are equipped from the factory with Mitas tires known for decades for their toughness and extreme durability - customers frequently report their life even twice as long as life of some competitive brand tires.

The power shuttle on the "50 Power Plus" series allows for clutchless reversing.



Brakes

Wet disc brakes are highly efficient, yet engage very smoothly. They were designed for practically maintenance-free life. Due to the large number of plates (eight total) and their superb friction material, the brake wear is minimal. Brakes are cooled and lubricated by a continuous flow of the transmission & hydraulic oil.

All brake controls such as cylinders are newly designed and externally mounted.

Tractors with high speed transmission are also equipped with wet front brakes integrated directly into the front final drives.



Power Take Off

Independent PTO on "20/40" series tractors is operated by a separate mechanical PTO clutch, fully independent from the engine clutch. This simple system engages smoothly and precisely and the operator is always in full control of PTO engagement.



The "50" series is equipped with wet PTO clutch operated by a push button on the right side of the cab. Independent PTO with both 540 and 1000 rpm speeds is standard. A special cushioning valve in PTO hydraulic control system makes PTO engagement smooth and gradual.

The "50 Power Plus" series goes one step further and offers three different PTO start modes to match best the implement demands.

All "Silver" series models also have standard ground speed PTO, which makes it possible to reverse the direction of PTO rotation (for example, to reverse the rotation of a post hole digger), a unique Zetor feature. The PTO can be run in reverse even while tractor is not moving.

Ground speed PTO also makes it possible to run low-horsepower implements, such as water pumps or generators, extremely efficiently. For example, you can run your PTO at 540 rpm while engine is at low idle.

Also available on all models: Front 3-point hitch with 3000 lb capacity and front PTO (1000 rpm, 60 HP max.). Front PTO and front 3-point hitch can be mounted separately, or combined. They can also be added later as dealer-installed accessory.



Open station tractors also use a wide, comfortable platform, supported on special rubber blocks. The platform and the seat are five inches lower than on cab models. The roll bar can be folded in seconds.



The low profile version with industrial tires has been designed for heavy-duty utility/industrial applications in places with low ceiling height. It is available in horsepower versions up to 100 HP. The height with folded roll bar is 75 inches.

New Level of Comfort

Comfortable cabs and platforms have always been a Zetor tradition. The "Silver" series comes with an updated, state-of-the-art design, more refined than ever. The spacious cab has a level, uncluttered floor. Large window area provides excellent visibility in all directions. Fully upholstered fenders and thick floor insulation package keep heat and noise out.

Full instrumentation is weather-sealed and includes tachometer with hour meter, water temperature gauge, fuel gauge, air pressure gauge (models with air compressor) and a number of warning and indicator lamps for various functions.

A very wide and comfortable seat is fitted in most cab tractors and is packed with features. Seat swivels left and right for easier entry and exit. Swiveling also provides better position at the hydraulic controls. The seat is widely adjustable forward-backwards, for operator's weight, in height, cushion angle, back rest angle, back rest lumbar support stiffness and shape. Arm rests and head rest are adjustable in heights. Standard horizontal isolator can be turned ON and OFF. Double-acting hydraulic shock absorber adds to operator's comfort. A slightly simpler seat with three-way adjustment is available on series 20/40.



Front and rear wipers and windshield washer are standard. All windows are contoured for added strength and reduced noise and tinted to reduce heat and glare. Side windows can be latched in open position. The windshield has a roller sun blind. Cab models have six halogen front lights and three halogen rear work lights. Open station tractors have four front halogen lights and one rear halogen work light. Wide, angled footsteps on both sides provide easy access to the tractor seat from either side.

The standard tool box.

The tilt and telescoping steering wheel is standard on all models (except 7020 open station model) and is adjustable within a wide range, for better seating position and easier entry and exit.



The high capacity, fast responding heater delivers warm air only a few minutes after a cold engine start. Efficient air conditioning is standard. Standard large capacity fiber filters can be replaced by charcoal filter inserts.



Power socket, lighter, cup holder and storage compartment

Three-Point Hitch and Hydraulic System

Unlike with most competitors, Zetor's wide and long rear fenders are standard and help keep your equipment clean.

Transmission oil fill and dipstick are at a service-friendly location.

Zetor's heavy-duty 3-point hitch has very high lifting capacity (7,600 lb on most models). Such lifting capacity far exceeds most tractors of the same category. There is even an optional second booster cylinder available for all models, raising the lifting capacity to over 9,000 lb. So, there is ample power to handle even the heaviest implements of the future. The hitch is adjustable to both Category I and II. The seat position and large window area ensure good visibility of the 3-point hitch and of the drawbar.

Heavy-duty drawbar is standard on all models. Drawbars of different heights above ground are available to meet demand of every farmer.



The newly designed live hydraulic pump with full-flow fine filter system has 14 gpm capacity. A 17 gpm pump is optional on series "40".

Unlike most competitors, all Zetors have a separate 6 gpm pump for steering, so all the oil supplied by the main hydraulic pump is constantly available for the 3-point hitch and the remotes (loader works at full speed all the time). The total hydraulic flow is 20 gpm. All pumps are externally mounted for easy access.



The hydraulic levers offer finer control of the three-point hitch. Accurate and sensitive Draft and Mixed controls for plowing and other tillage operations are another traditional Zetor advantage, product of 40 years of development of Zetomatic hydraulic systems. Mixed control is a unique feature combining even plowing depth with high engine power utilization.

Telescopic lower link ends make implement hook-up easy.

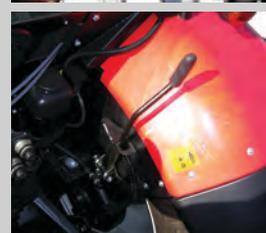
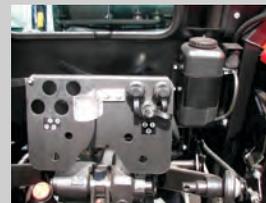


Alternatively, lower links with quick-release hooks are available.



One set of remotes is standard on all open station tractors and also on cab tractor models 7020 and 7040. A direct return (zero pressure) coupler is also standard (required for hydraulic motors).

Additional 2nd & 3rd set of remotes is standard on most cab models and use premium quality, feature-rich control valve with cable controls. One spool is equipped with detented pressure positions with automatic release. Both spools have float. One of the ports is equipped with special check valve, which avoids any drift caused by oil otherwise leaking over long periods of time from cylinders back into the tractor.



New external three-point controls make implement hook-up easy.

ZETOR System Front End Loaders

The new ZETOR system 103H and 103SLX loaders have been designed specifically for Zetor "Silver" series tractors. Therefore, there are no compromises in the ZETOR system loader design. Every ZETOR system loader is a perfect match with ZETOR tractor, providing exceptional strength, high lifting speed, solid performance and long term reliability in a compact format, all that in the traditional very high level of craftsmanship. ZETOR system loaders incorporate many special features not found on any other loader.



The base model 103H is a rugged low profile loader suitable for most "20/40" series models. Compared to previous generation, it has reinforced boom, much greater lifting capacity and faster bucket dump and rollback.



The 103SLX is also a very rugged low profile loader, but it is equipped with mechanical self-leveling. It is also fitted with additional linkage between the loader and the bucket, to substantially increase the rollback and dump angle and speed. It is suitable for all "20/40" and "50" series tractors.



Massive mounting frames are more than 3/4" thick and each side extends as one welded piece over the entire length of the tractor. Such design reduces the load on tractor powertrain, ensuring long-term stability in professional use. Few bolted joints also mean reduced maintenance.

Custom designed for ZETOR "40" and "50" series tractors, ZETOR system loaders impose minimal restriction to ZETOR's very tight 55 degree turning angle (even on 4WD models with front fenders).



The location for the heavy-duty all-metal joystick was carefully selected to provide the best operator's comfort. Access to the seat from the right side is not restricted. Zetor loaders now use a new, high precision hydraulic valve with soft return springs, allowing more precise joystick control (joystick moves very easily).



Loader boom is made of high strength steel (yield strength 73,000 psi) and has a new reinforced torque tube made of steel almost 1/2" thick. The torque tube is welded to the boom using two additional heavy back plates on each side. This makes the loader extremely resistant to twisting even in the most demanding applications.



All grease fittings are safely and conveniently accessible from the sides with a common grease gun while the loader is lowered to ground.



Loader boom arms are manufactured by Zetor's unique technology using just one longitudinal weld. In addition to smooth appearance, this design also improves fatigue strength of the boom.

Three-layer bushings with grease fittings are used at all moving points, providing long life and easy replacement.





Release levers ...



... and drive away

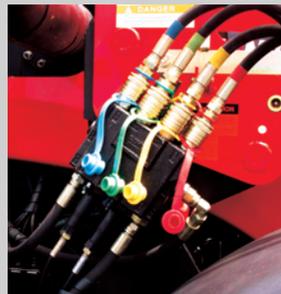
Quick mount and unmount - within seconds and with no tools. Loader stands are adjustable in height for easy and safe parking on uneven ground. When the loader is detached, the mounting frame leaves good access for tractor maintenance, virtually as if there was no loader on the tractor at all. The hydraulic valve stays on the tractor for multi-purpose uses.



Drive in roll the bucket back and bucket snaps in

Buckets and other attachments have the proven quick-attach Euro tool carrier. To attach the bucket, there is no need to leave the seat. The latch position indicator is clearly visible from the seat.

Loader model 103SLX is equipped with true mechanical self-leveling. The attachments stay at the same angle throughout the entire lifting range of the loader. This is especially handy when using pallet forks, but it is practical with any other attachment. Operators who have tried a good self-leveling loader will never go back to a loader without this feature. The mechanical self-leveling is superior to any hydraulic self-leveling system. Since it is a pure mechanical device, it is very precise under any working conditions, regardless of the load, oil temperature or any other factor. Unlike many hydraulic self-leveling systems, the Zetor true mechanical system works both during lifting and during lowering of the loader. Unlike many competitors who use sheet-metal links at the top of the loader arms, Zetor relies rugged on round bars made of thick metal to resist bending and other damage in severe everyday working conditions. Zetor loaders are designed to stay trouble- and service-free. So far, due to higher manufacturing costs, the mechanical self-leveling systems have not been widely used in this category of loaders. Zetor's large volume manufacturing technology of these systems has made it possible to lower the production cost of the loader with true mechanical self-leveling and make it comparable with a non-self-leveling loader.



Loader hydraulics are designed specifically for ZETOR tractors and do not occupy any of tractor quick couplers. All hoses and fittings needed for installation are included in the mounting kit. Hoses have standard SAE hose fittings for easy servicing.

The available third function kit can easily be added to any Zetor loader. Kit comes with a pair of quick couplers mounted directly on the boom. Attachments with their own cylinder, such as grapple fork, can be controlled by a push button in the joystick.



Zetor System Loader Attachments

Standard bucket: 73 in. (capacity 19 cu.ft struck level)
 Optional bucket: 83 in. (capacity 21.5 cu.ft struck level)
 All buckets have special wedged shape (wider at the front) for easier dumping of sticky materials.
 Construction buckets with digging teeth in 53-in. and 62-in. width are available on special order.
 Other tools (not shown) are available on special order.
 All tools are identical and interchangeable with tools used on all other Zetor system loaders.
 Blank plate sets are available to weld on your old attachments, to make them compatible with Zetor system quick-attach tool carrier.

Other available attachments:



Manure Forks, 59 in. wide. 25 in. long tines



Bale lift with 44 in. easy penetrating spear



Pallet forks (43.5 in. long) with heavy duty forged forks

Specifications

	7020 (2WD), 7040 (4WD)	8020 (2WD), 8040 (4WD)	9020 (2WD), 9040 (4WD)	10040 (4WD)								
ENGINE	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves								
Engine capacity	254 cu.in	254 cu.in	254 cu.in	254 cu.in								
Maximum engine horsepower - gross/ NET/ PTO	70/ 67/ 63	82/ 78/ 73	93/ 89/ 83	100/ 96/ 89								
Rated engine speed	2200 rpm	2200 rpm	2200 rpm	2200 rpm								
Air compressor capacity	6CFM @ 85 PSI	6CFM @ 85 PSI	6CFM @ 85 PSI	6CFM @ 85 PSI								
Alternator capacity - cab models	12 Volt, 95 Amp	12 Volt, 95 Amp	12 Volt, 95 Amp	12 Volt, 95 Amp								
Alternator capacity - open station models	12 Volt, 55 Amp	12 Volt, 55 Amp	12 Volt, 55 Amp	12 Volt, 55 Amp								
Battery capacity	950 CCA	950 CCA	950 CCA	950 CCA								
Fuel tank capacity - cab models	34 gal	34 gal	40 gal	40 gal								
Fuel tank capacity - open station models	22 gal	22 gal	22 gal	22 gal								
Oil change & service intervals	500 hours	500 hours	500 hours	500 hours								
CLUTCH	dual-purpose	dual-purpose	dual-purpose	dual-purpose								
Clutch diameter	12 in, cerametallic lining	12 in, cerametallic lining	12 in, cerametallic lining	12 in, cerametallic lining								
Clutch control	hydraulic, self-adjusting	hydraulic, self-adjusting	hydraulic, self-adjusting	hydraulic, self-adjusting								
TRANSMISSION	fully synchronized	fully synchronized	fully synchronized	fully synchronized								
Forward/reverse gears	12/12	12/12	12/12	12/12								
Synchronized mechanical shuttle	standard	standard	standard	standard								
SPEEDS (mph) (At 2,200 Engine rpm) <i>Speeds shown are for tractors equipped with rear tires 16.9-34. Add 4% for tires 18.4R-34. Deduct 4% for tires 16.9-30. Deduct 13% for tires 19.5L-24.</i>	REGULAR SPEED TRANSMISSION			HIGH SPEED TRANSMISSION								
	Forward Gear	Low Range	High Range	Reverse Gear	Low Range	High Range	Forward Gear	Low Range	High Range	Reverse Gear	Low Range	High Range
	1	0.80	3.15	1R	0.87	3.44	1	0.96	3.81	1R	1.05	4.16
	2	1.03	4.05	2R	1.12	4.42	2	1.24	4.90	2R	1.36	5.35
	3	1.46	5.76	3R	1.60	6.30	3	1.77	6.98	3R	1.93	7.62
	4	2.06	8.15	4R	2.26	8.90	4	2.50	9.86	4R	2.73	10.77
	5	3.27	12.89	5R	3.57	14.09	5	3.95	15.60	5R	4.32	17.05
	6	4.70	18.54	6R	5.13	20.26	6	5.68	22.43	6R	6.21	24.52
	<i>Note: Optional creeper transmission reduces the above speed in each gear by 10:1 ratio. Creeper transmission cannot be combined with shuttle transmission</i>											
P.T.O. SHAFT	independent, 540 rpm standard	independent, 540 rpm standard	independent, 540 rpm standard	independent, 540 rpm standard								
Ground speed PTO												
BRAKES	wet disc brakes	wet disc brakes	wet disc brakes	wet disc brakes								
models with high speed transmission	also have wet disc brakes in front axle	also have wet disc brakes in front axle	also have wet disc brakes in front axle	also have wet disc brakes in front axle								
Service brake control	hydraulic	hydraulic	hydraulic	hydraulic								
Parking brake control	mechanical	mechanical	mechanical	mechanical								
STEERING	hydrostatic	hydrostatic	hydrostatic	hydrostatic								
HYDRAULIC SYSTEM	open center	open center	open center	open center								
Flow @ pressure at remotes	14 gpm @ 2900 psi	14 gpm @ 2900 psi	14 gpm @ 2900 psi	14 gpm @ 2900 psi								
Total hydraulic flow	20 gpm	20 gpm	20 gpm	20 gpm								
Three point hitch	Category I - II	Category I - II	Category I - II	Category I - II								
Function	position, draft, mixed	position, draft, mixed	position, draft, mixed	position, draft, mixed								
Lifting force at the end of lower links	5200 lbs, 7600 lbs or 9150 lbs	5200 lbs, 7600 lbs or 9150 lbs	5200 lbs, 7600 lbs or 9150 lbs	5200 lbs, 7600 lbs or 9150 lbs								
Remote outlets - cab models	1 set standard, 3 sets optional	3 sets standard	3 sets standard	3 sets standard								
Remote outlets - open station models	1 set standard, 3 sets optional	1 set standard, 3 sets optional	1 set standard, 3 sets optional	1 set standard, 3 sets optional								
TIRES												
Front: 2WD models	9.00-16	9.00-16	9.00-16	N/A								
4WD models	11.2-24; 12.5/80-18 industrial tires	11.2-24; 12.4-24; 13.6R-24; 12.5/80-18 industrial tires	11.2-24; 12.4-24; 13.6R-24; 12.5/80-18 industrial tires	11.2-24; 12.4-24; 13.6R-24; 12.5/80-18 industrial tires								
Rear:	16.9-30; 19.5L-24 industrial tires	16.9-30; 16.9-34; 18.4R-34; 19.5L-24 industrial tires	16.9-30; 16.9-34; 18.4R-34; 19.5L-24 industrial tires	16.9-30; 16.9-34; 18.4R-34; 19.5L-24 industrial tires								

Specifications

	7020 (2WD), 7040 (4WD)	8020 (2WD), 8040 (4WD)	9020 (2WD), 9040 (4WD)	10040 (4WD)
MAIN DIMENSIONS				
Wheelbase 2WD/4WD	91 in/ 89 in	91 in/ 89 in	91 in/ 89 in	NA/ 89 in
Length	152 in	152 in	152 in	152 in
Minimum width (for rear wheel track 56 in)	73 in	73 in	73 in	73 in
Height with ROPS raised/folded	103 in/ 83 in (for tires 16.9-30)	105 in/ 85 in (for tires 16.9-34)	105 in/ 85 in (for tires 16.9-34)	105 in/ 85 in (for tires 16.9-34)
Height with ROPS raised/folded (rear axle in low profile setting)	95 in/ 75 in (for tires 19.5L-24)			
Height with cab	97 in/ 77 in (for tires 16.9-28)			
Height with cab (rear axle in low profile setting)	103 in (for tires 11.2-24 & 16.9-30)	105 in (for tires 12.4-24 & 16.9-34)	105 in (for tires 12.4-24 & 16.9-34)	105 in (for tires 12.4-24 & 16.9-34)
Ground clearance	100 in (for tires 12.5-18 & 19.5L-24)			
	98 in (for tires 12.5-18 & 19.5L-24)			
	22 in (2WD), 16 in (4WD) (for tires 11.2-24 & 16.9-30)	22 in (2WD), 17 in (4WD) (for tires 12.4-24 & 16.9-34)	22 in (2WD), 17 in (4WD) (for tires 12.4-24 & 16.9-34)	22 in (2WD), 17 in (4WD) (for tires 12.4-24 & 16.9-34)
Wheel track: 2WD tractors	56-75 in (front); 56-71 in (rear)			
4WD tractors	59-77 in (front); 56-71 in (rear)			
Turning radius 2WD/4WD	11 ft/12 ft	11 ft/12 ft	11 ft/12 ft	NA/12 ft
Weight with cab, w/o weights	7390 lbs (2WD)	7540 lbs (2WD)	7590 lbs (2WD)	7610 lbs (2WD)
(Deduct 500 lbs w/o cab)	8190 lbs (4WD)	8340 lbs (4WD)	8390 lbs (4WD)	8410 lbs (4WD)

STANDARD EQUIPMENT:

Open Station Models:

Horizontal exhaust; Differential lock with mechanical engagement; Limited slip front differential (4WD models); Ground speed PTO; Telescopic sway bars; Telescopic or hook-style lower links; One set of remote hydraulic outlets; Deluxe seat with three-way adjustment and arm rests; Folding ROPS; Four halogen head lights and one halogen rear work light; Tool box; Tilt/telescoping steering wheel (except model 7020); Front fenders, reinforced rubber (except model 7040)

Cab Models:

Air compressor; Differential lock and front wheel drive with electric engagement; Limited slip front differential (4WD models); Ground speed PTO; Telescopic sway bars; Telescopic or hook-style lower links; One set of remote hydraulic outlets (models 7020, 7040); Three sets of remote hydraulic outlets (models 8020, 8040, 9020, 9040, 10040); Deluxe seat with three-way adjustment and arm rests (models 7020, 7040); Deluxe seat with ten-way adjustment, swivel motion and arm rests (models 8020, 8040, 9020, 9040, 10040); Tinted windows; Front and rear wipers; Windshield washer; Air conditioning; Six front and three rear halogen lights; Tool box; Tilt/telescoping steering wheel; Speakers and antenna for radio installation (radio not included); Front fenders, reinforced rubber (except model 7040)

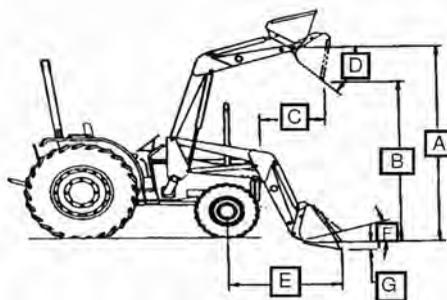
OPTIONS:

Front and rear weights; Block heater; Creeper transmission (cannot be combined with shuttle transmission); Front PTO and front 3point hitch; 2nd & 3rd set of remote hydraulic outlets (on models not so equipped as standard equipment); Front fenders for model 7040; Instructional seat (cab models only)

ZETOR System 103H/ 103SLX

Front End Loaders

Description and applicability: Zetor system 103H: High capacity, heavy-duty, quick-attach compact low profile front loader. Recommended for all models except 4WD models with front tires 13.6R-24.
Zetor system 103SLX: High capacity, heavy-duty, quick-attach low profile front loader with self-leveling. Recommended for all "20" and "40" series models.



LOADER MODEL:	103H	103SLX
Mechanical self-leveling	NO	YES
A Maximum Lift Height (in)	122	140
B Clearance with Bucket Dumped (in)	98	104 **)
C Reach at Maximum Height (in)	43	20
D Maximum Dump Angle (deg)	40	60
E Reach on Ground (in)	77	83
F Bucket Rollback Angle (deg)	20	35
G Digging Depth (in)	4	2

**) Bucket at 45 degrees

Specifications measured for tire size:

Front: 11.2-24; Rear: 16.9-30

The loader hydraulic system is connected directly to tractor pump and does not use remote outlets.

LOADER MODEL:	103H	103SLX
Lift Capacity to Full Height (lb)		
- at pivot points (loader w/o bucket)	4840	4740
- 31.5" ahead of pivot (with bucket attached)	2500	2750
Breakout Force (lb)		
- at pivot points (loader w/o bucket)	6930	6420
- 31.5" ahead of pivot (with bucket attached)	3520	4270
Raising Time w/14 gpm pump (sec)	5	5.2
Bucket dump time (sec)	3.5	2.5
Bucket rollback time (sec)	3.5	2
Weight with 73" bucket (lb)	2150	2350

Standard Bucket Size: 73 in. (19 cu.ft. struck level)

Optional Bucket Size: 83 in. (21.5 cu.ft. struck level)

Specifications subject to change without notice and without incurring obligation on behalf of Zetor.

Specifications

	9050 (4WD)	10050 (4WD)	11050 (4WD)	12050 (4WD)																																																																																																																																																								
ENGINE	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves	4-cyl. diesel, water cooled, turbocharged, wet sleeves																																																																																																																																																								
Engine capacity	254 cu.in	254 cu.in	254 cu.in	254 cu.in																																																																																																																																																								
Max. engine horsepower gross/ NET/ PTO	93/ 89/ 83	100/ 96/ 89	107/101/94	120/114/104																																																																																																																																																								
Rated engine speed	2200 rpm	2200 rpm	2200 rpm	2200 rpm																																																																																																																																																								
Air compressor capacity	6CFM @ 85 PSI	6CFM @ 85 PSI	6CFM @ 85 PSI	6CFM @ 85 PSI																																																																																																																																																								
Alternator capacity	12 Volt, 95 Amp	12 Volt, 95 Amp	12 Volt, 95 Amp	12 Volt, 95 Amp																																																																																																																																																								
Battery capacity	950 CCA	950 CCA	950 CCA	950 CCA																																																																																																																																																								
Fuel tank capacity	40 gal (48 gal with power shuttle)	40 gal (48 gal with power shuttle)	40 gal (48 gal with power shuttle)	48 gal																																																																																																																																																								
Oil change & service intervals	500 hours	500 hours	500 hours	500 hours																																																																																																																																																								
ENGINE CLUTCH-tractors with mechanical shuttle	dry, 12in., cerametallic lining, hydraulic control	dry, 12in., cerametallic lining, hydraulic control	dry, 12in., cerametallic lining, hydraulic control	N/A																																																																																																																																																								
ENGINE CLUTCH-tractors with power shuttle	multi-plate wet clutch	multi-plate wet clutch	multi-plate wet clutch	multi-plate wet clutch																																																																																																																																																								
TRANSMISSION-tractors with mechanical shuttle	fully synchronized with two-stage power shift and synchro shuttle; 16 forward and 16 reverse speeds	fully synchronized with two-stage power shift and synchro shuttle; 16 forward and 16 reverse speeds	fully synchronized with two-stage power shift and synchro shuttle; 16 forward and 16 reverse speeds	N/A																																																																																																																																																								
TRANSMISSION-tractors with power shuttle	fully synchronized with three-stage power shift and power shuttle; 24 forward and 24 reverse speeds	fully synchronized with three-stage power shift and power shuttle; 24 forward and 24 reverse speeds	fully synchronized with three-stage power shift and power shuttle; 24 forward and 24 reverse speeds	fully synchronized with three-stage power shift and power shuttle; 24 forward and 24 reverse speeds																																																																																																																																																								
TRACTOR SPEEDS (mph)	<p>Tractors with mechanical shuttle</p> <table border="1"> <thead> <tr> <th>Forward</th> <th>Low</th> <th>High</th> <th>Reverse</th> <th>Low</th> <th>High</th> </tr> <tr> <th>Gear</th> <th>Range</th> <th>Range</th> <th>Gear</th> <th>Range</th> <th>Range</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.31</td> <td>5.19</td> <td>1R</td> <td>1.39</td> <td>5.52</td> </tr> <tr> <td>2</td> <td>1.71</td> <td>6.73</td> <td>2R</td> <td>1.81</td> <td>7.16</td> </tr> <tr> <td>3</td> <td>1.96</td> <td>7.73</td> <td>3R</td> <td>2.08</td> <td>8.22</td> </tr> <tr> <td>4</td> <td>2.52</td> <td>9.95</td> <td>4R</td> <td>2.68</td> <td>10.57</td> </tr> <tr> <td>5</td> <td>3.12</td> <td>12.32</td> <td>5R</td> <td>3.32</td> <td>13.11</td> </tr> <tr> <td>6</td> <td>4.06</td> <td>16.00</td> <td>6R</td> <td>4.31</td> <td>17.02</td> </tr> <tr> <td>7</td> <td>4.54</td> <td>17.94</td> <td>7R</td> <td>4.83</td> <td>19.09</td> </tr> <tr> <td>8</td> <td>5.86</td> <td>23.13</td> <td>8R</td> <td>6.22</td> <td>24.56</td> </tr> </tbody> </table>						Forward	Low	High	Reverse	Low	High	Gear	Range	Range	Gear	Range	Range	1	1.31	5.19	1R	1.39	5.52	2	1.71	6.73	2R	1.81	7.16	3	1.96	7.73	3R	2.08	8.22	4	2.52	9.95	4R	2.68	10.57	5	3.12	12.32	5R	3.32	13.11	6	4.06	16.00	6R	4.31	17.02	7	4.54	17.94	7R	4.83	19.09	8	5.86	23.13	8R	6.22	24.56	<p>Tractors with power shuttle</p> <table border="1"> <thead> <tr> <th>Forward</th> <th>Low</th> <th>High</th> <th>Reverse</th> <th>Low</th> <th>High</th> </tr> <tr> <th>Gear</th> <th>Range</th> <th>Range</th> <th>Gear</th> <th>Range</th> <th>Range</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.27</td> <td>5.00</td> <td>1R</td> <td>1.34</td> <td>5.31</td> </tr> <tr> <td>2</td> <td>1.47</td> <td>5.79</td> <td>2R</td> <td>1.56</td> <td>6.15</td> </tr> <tr> <td>3</td> <td>1.70</td> <td>6.72</td> <td>3R</td> <td>1.81</td> <td>7.13</td> </tr> <tr> <td>4</td> <td>1.87</td> <td>7.40</td> <td>4R</td> <td>1.99</td> <td>7.86</td> </tr> <tr> <td>5</td> <td>2.17</td> <td>8.58</td> <td>5R</td> <td>2.31</td> <td>9.11</td> </tr> <tr> <td>6</td> <td>2.52</td> <td>9.95</td> <td>6R</td> <td>2.68</td> <td>10.57</td> </tr> <tr> <td>7</td> <td>3.01</td> <td>11.88</td> <td>7R</td> <td>3.19</td> <td>12.61</td> </tr> <tr> <td>8</td> <td>3.48</td> <td>13.74</td> <td>8R</td> <td>3.70</td> <td>14.59</td> </tr> <tr> <td>9</td> <td>4.03</td> <td>15.92</td> <td>9R</td> <td>4.28</td> <td>16.90</td> </tr> <tr> <td>10</td> <td>4.38</td> <td>17.29</td> <td>10R</td> <td>4.65</td> <td>18.36</td> </tr> <tr> <td>11</td> <td>5.06</td> <td>19.96</td> <td>11R</td> <td>5.37</td> <td>21.20</td> </tr> <tr> <td>12</td> <td>5.86</td> <td>23.13</td> <td>12R</td> <td>6.22</td> <td>24.56</td> </tr> </tbody> </table>						Forward	Low	High	Reverse	Low	High	Gear	Range	Range	Gear	Range	Range	1	1.27	5.00	1R	1.34	5.31	2	1.47	5.79	2R	1.56	6.15	3	1.70	6.72	3R	1.81	7.13	4	1.87	7.40	4R	1.99	7.86	5	2.17	8.58	5R	2.31	9.11	6	2.52	9.95	6R	2.68	10.57	7	3.01	11.88	7R	3.19	12.61	8	3.48	13.74	8R	3.70	14.59	9	4.03	15.92	9R	4.28	16.90	10	4.38	17.29	10R	4.65	18.36	11	5.06	19.96	11R	5.37	21.20	12	5.86	23.13	12R	6.22	24.56
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P.T.O. SHAFT	independent, 540/ 1000 rpm	independent, 540/ 1000 rpm	independent, 540/ 1000 rpm	independent, 540/ 1000 rpm																																																																																																																																																								
P.T.O. clutch controls	electro-hydraulic	electro-hydraulic	electro-hydraulic	electro-hydraulic																																																																																																																																																								
Ground speed PTO	standard	standard	standard	standard																																																																																																																																																								
BRAKES	wet disc brakes	wet disc brakes	wet disc brakes	wet disc brakes																																																																																																																																																								
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Service brake control	hydraulic	hydraulic	hydraulic	hydraulic																																																																																																																																																								

Specifications

	9050 (4WD)	10050 (4WD)	11050 (4WD)	12050 (4WD)
HYDRAULIC SYSTEM				
Flow @ pressure at remotes	14 gpm @ 2900 psi			
Total hydraulic flow	20 gpm	20 gpm	20 gpm	20 gpm
Three point hitch	Category I - II			
Function	position, draft, mixed	position, draft, mixed	position, draft, mixed	position, draft, mixed
Lifting force at the end of lower links	7600 lbs (9150 lbs optional)			
Remote outlets	3 sets standard, all with float; one set with detented spool with automatic pressure release; one port with check valve for maximum tightness	3 sets standard, all with float; one set with detented spool with automatic pressure release; one port with check valve for maximum tightness	3 sets standard, all with float; one set with detented spool with automatic pressure release; one port with check valve for maximum tightness	3 sets standard, all with float; one set with detented spool with automatic pressure release; one port with check valve for maximum tightness
TIRES Front/ Rear	13.6R-24/ 18.4R-34 Other tire sizes available.			
MAIN DIMENSIONS				
Wheelbase	92 in (96 in with power shuttle)	92 in (96 in with power shuttle)	92 in (96 in with power shuttle)	96 in
Length	153 in (157 in with power shuttle)	153 in (157 in with power shuttle)	153 in (157 in with power shuttle)	157 in
Width (for rear wheel track 59 in)	78 in	78 in	78 in	78 in
Height	106 in	106 in	106 in	106 in
Ground clearance	18 in	18 in	18 in	18 in
Wheel track:	59-77 in (front); 59-71 in (rear)			
Turning radius (w/o use of brakes)	12 ft	12 ft	12 ft	12 ft
Weight	8550 lbs (with mechanical shuttle) 8980 lbs (with power shuttle)	8570 lbs (with mechanical shuttle) 9000 lbs (with power shuttle)	8600 lbs (with mechanical shuttle) 9030 lbs (with power shuttle)	9045 lbs

STANDARD EQUIPMENT:

Air compressor and tire inflator; Electric rear differential lock and front wheel drive engagement; Limited slip front differential; Ground speed PTO; Telescopic sway bars; Telescopic or hook-style lower links; Three sets of remote hydraulic outlets; Deluxe seat with ten-way adjustment, swivel motion and arm rests; Tinted windows; Front and rear wipers; Windshield washer; Air conditioning; Six front and three rear halogen lights; Tool box; Tilt/telescoping steering wheel; Speakers and antenna for radio installation (radio not included); Front fenders, reinforced rubber front and rear weights; Block heater; Front PTO and front 3point hitch; Instructional seat



Optional foldable instructional seat

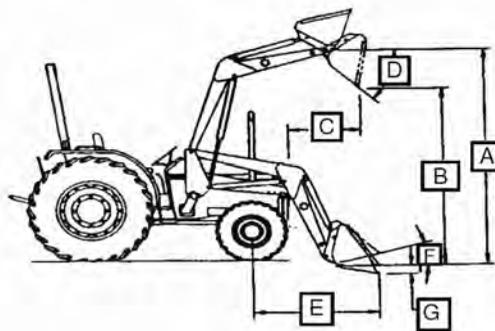
OPTIONS:

ZETOR System 103SLX

Front End Loader

Description and applicability:

High capacity, heavy duty, quick-attach low profile front loader with self-leveling. Recommended for all "50" series models.



	Mechanical self-leveling	YES
A	Maximum Lift Height (in)	141
B	Clearance with Bucket Dumped (in) (bucket at 45 deg.)	105
C	Reach at Maximum Height (in)	20
D	Maximum Dump Angle (deg)	60
E	Reach on Ground (in)	83
F	Bucket Rollback Angle (deg)	35
G	Digging Depth (in)	1

Specifications measured for tire size: Front: 13.6R-24 Rear: 18.4R-34

The loader hydraulic system is connected directly to tractor pump and does not use remote outlets.

Lift Capacity to Full Height (lb)	
- at pivot points (loader w/o bucket)	4740
- 31.5" ahead of pivot (with bucket attached)	2750
Breakout Force (lb)	
- at pivot points (loader w/o bucket)	6420
- 31.5" ahead of pivot (with bucket attached)	4270
Raising Time w/14 gpm pump (sec)	5.2
Bucket dump time (sec)	2.5
Bucket rollback time (sec)	2
Weight with 73" bucket (lb)	2350

Standard Bucket Size: 73 in. (19 cu.ft. struck level)
Optional Bucket Size: 83 in. (21.5 cu.ft. struck level)

Specifications subject to change without notice and without incurring obligation on behalf of Zetor.

About Zetor

Zetor is proud of many significant contributions its designers made to tractor technology throughout Zetor's 60 year history.

For example, Zetomatic hydraulic power lift system with draft control was introduced as early as 1960, pioneering this concept ahead of many other manufacturers.

New ideas combined with the traditional heavy Zetor chassis, its simplicity, reliability, long life and ease of repairs earned Zetor tractors respect of farmers in 93 countries, around the world.

To achieve these high standards, Zetor designs in-house most of important tractor component. Most of these components are actually made in Zetor's own factories in the Czech Republic, a country with 100-year tradition of advanced engineering.

Zetor Service and Warranty

To ensure full productivity of your investment, all Zetor tractors are supported by the full line of parts, constantly in stock in the main parts warehouse in Harrisburg, Pennsylvania. This applies not only to current models, but also to any Zetor model ever sold in U.S. and Canada, even those sold 30 years or more ago.

Zetor parts system means that our customers will always get original, genuine parts at reasonable prices. Compare Zetor genuine parts costs with most competitors to find out why Zetor cost of ownership compares so favorably with other brands. Every business day, replacement parts are shipped within 6 hours after an order has been placed. Standard delivery is 1 to 3 business days (depending on destination) at low ground rates (coast-to-coast, U.S. and Canada). Overnight delivery is, of course, also available, coast-to-coast.

And every Zetor is covered by **five year limited warranty**, with no deductibles. See one of Zetor dealers and check a premium-quality Zetor product offered for the price of many light-duty competitors.

ZETOR "In Touch"

Quality Tractors Since 1946

1-877-GO ZETOR

1-877-469 3867

SERVICE@ZETORNA.COM

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