



# 4520 TRACTOR

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TURF  
EQUIPMENT



# 4520 TRACTOR

Model Comparison	4520K	4520P	4520Y	4520N	4520Z
	VANGUARD Big Block	KAWASAKI DFI	KUBOTA Diesel	KUBOTA	KUBOTA
Stock Codes	39.51219	39.51216	39.51217	39.51225	39.51215
California Model Stock Code		39.51221		39.51227	
Accessory Kit: Front fenders, foot pegs, 4 rear weights, weight transfer	Optional	Standard	Standard	Standard	Standard

## Engines

Engine	Vanguard M54	Kawasaki FD851D DFI	Kubota D902	Kubota WG972 EFI	Kubota WG972-GL
Max Operating Speed	3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm
Horsepower	31	31	25	32.5	32.5
Peak Torque	47 ft lb (64 nm)	47 ft lb (64 nm)	42 ft lb (57 nm)	51 ft lb (69 nm)	51 ft lb (69 nm)
Displacement	896cc	824cc	898cc	962 cc	962cc
Cylinders	2	2	3	3	3
Engine Oil	Ventrac Full Synthetic 10W30				
Cooling	Air	Liquid	Liquid	Liquid	Liquid
Fuel Type	Gasoline	Gasoline	Diesel	Gasoline	Gasoline
Fuel Capacity	6 gal (22.7 L)	6 gal (22.7 L)	6 gal (22.7 L)	6 gal (22.7L)	6 gal (22.7 L)
Fuel Economy <sup>^^</sup>	1.6 gal/hr (6 L/hr)	1.2 gal/hr (4.5 L/hr)	1.1 gal/hr (4 L/hr)	1.5 gal/hr (5.7 L/hr)	1.5 gal/hr (5.7 L/hr)
Slope Rating (continuous/intermittent)	25°/30°	30°/30°	20°/30°	20°/30°	20°/30°
Alternator	50 Amp	30 Amp	60 Amp	60 Amp	60 Amp

## Dimensions

Weight with standard hitch	*1385 lb (628 kg)	1620 lb (735 kg)	1705 lb (773 kg)	1700 lb (771 kg)	1690 lb (767 kg)
Weight with accessories kit	1610 lb (730 kg)	N/A	N/A	N/A	N/A
Weight with 3-point hitch	1690 lb (767 kg) w/ accr kit	1700 lb (771 kg)	1785 lb (810 kg)	1780 lb (807 kg)	1770 lb (803 kg)
Length with standard hitch (ROPS up)			81.5 inches (207 cm)		
Length with 3-point hitch			92 inches (234 cm)		
Width			48.5 inches (123 cm)		
Width with wheel extensions			54.5 inches (138.5 cm)		
Width with duals			73 inches (185.5 cm)		
Wheelbase (front axle to rear axle)			45 inches (114 cm)		
Height (ROPS up)			68 inches (173 cm)		
Height (ROPS down)			54 inches (137 cm)		
Turning Radius (single tires, standard position)			39 inches (99 cm)		
Turning Radius (position 2)			54 inches (137 cm)		
Turning Radius (position 3)			68 inches (173 cm)		
Oscillation amount (@ wheel)			7.5 inches (19 cm)		
Ground Clearance			5 inches (13 cm)		

<sup>^^</sup> Fuel Economy tested with HM602 mower for comparison purposes.  
Application conditions & attachment will affect fuel economy.

All specifications subject to change without notice or obligation



The Ventrac 4520 tractor was built with you in mind. From the advanced electrical system, redesigned frame, more safety and comfort features; the 4520 offers the reliable performance, astounding versatility and comfortable handling you have come to expect.

Like all Ventrac tractors, the 4520 utilizes All Wheel Drive and an articulating chassis with a low center of gravity to provide superior traction, braking, stability, and security on tough terrain and slopes without disturbing turf when turning.

## Over 30 Ventrac Mount Attachments

Choose from over 30 professional grade Ventrac Mount attachments to transform your Ventrac into a productivity powerhouse. This incredibly rugged and dependable machine is a wise business investment for golf courses, schools and universities, parks, street maintenance departments, commercial mowing services, contractors, wineries, farms, property management associations, estate owners and anyone needing one machine to do it all.

## STANDARD FEATURES

- Pre-Wired Plug & Play Wiring Harness
- Premium Comfort Seat
- Advanced Electronic Instrument Panel
- 6 Function Warning Gauge & Alarm
- Conveniently Located PTO Belt Tensioner
- On-board Diagnostic System
- Sealed Electrical System
- Thermostatically Controlled Oil Cooler
- Battery Disconnect Switch with Circuit Breaker
- Automotive Style Parking Brake
- Universal PTO Switch
- S.D.L.A. Operator Controls
- Weight Transfer System\*
- \* Optional on 4520K, standard on other 4520 Models
- USB Charger

## Optional Accessories:

- Turf Tires, Chains
- Category 1 3-Point Hitch
- Cold Weather Cab
- Additional Lighting & Signaling Packages
- Electrical Power Outlets
- Digital Slope Indicator
- Dual Wheel or Wheel Extensions for Slope

Visit [www.ventrac.com/accessories](http://www.ventrac.com/accessories) for full list.



# 4520 TRACTOR (cont.)

## Electrical

Battery	475 CCA (Group 51R)
Voltage	12 volts
Battery Disconnect	Standard, with 150A System Circuit Breaker
Fuses	Sealed, Mini Fuse and J-Case styles

## Drivetrain

Hydraulic Pump	Danfoss DDC-20
Pump Drive	Direct Drive (Double U-Joint Drive-shaft)
Hydraulic Motors	MPIM
Transaxles	Peerless 2600 series
Axles	Peerless 40mm (forged) with integrated forged hub
Hydraulic Oil Cooler	Aluminum w/ Thermostatically controlled Electric Fan
Hydraulic Oil Filter (Suction)	25 micron
Hydraulic Oil Filter (Pressurized)	10 micron

## Hitch and PTO

Front Hitch	Ventrac Mount System
Electric PTO clutch with Brake	Ogura GT3.5 (250 ft lb) (339 nm)
Rear Hitch	2 inches Receiver
3-Point Hitch	Optional Category 1 3-Point Hitch

## Tires

Standard (All Terrain)	22x12-8
Optional Turf	22x11-10

## Travel Speed (F/R)

Low Range	5 mph (8 kph) forward / 4 mph (6 kph) reverse
High Range	10 mph (16 kph) forward / 8 mph (13 kph) reverse

## Instruments, Gauges, and Alarm

Gauges	Tachometer, Speedometer, Hour Meter, Engine Temperature (liquid cooled engines only), Fuel Level, Volt Meter
Indicator Lights ^ Activates Audible Alarm	Parking Brake, Engine High-Temp^, Hydraulic Oil High Temp^, Low Voltage^, Low Oil Pressure^
Switches	Key, PTO, and Lights

## Lights

Head Lights	(4) LED 1000 Lumen
Tail Lights	(2) Red LED Lights

## Controls

Forward Reverse	S.D.L.A. (Speed, Direction, Lift, and Auxiliary) Handle; Optional Foot Pedal
Attachment Lift	S.D.L.A. (Primary Handle)
Auxiliary Hydraulics	S.D.L.A. (Secondary Handle)
Throttle	Dash Mounted
Front Hitch Lock	Column Mounted (Accessible from Seat)
PTO Belt Tensioner	Front Mounted, Automatic Tension Controlled
Weight Transfer	5 position
High/Low Range	Single Lever, Column Mounted
3 Pt Controls (Optional)	Lift + 2 sets of Auxiliaries
Steering	Power Steering

## Other Features

Tool Box	Optional
Cup Holder	Standard
Seat	Deluxe High Back Seat (arm rests and suspension seat optional)

## ROPS

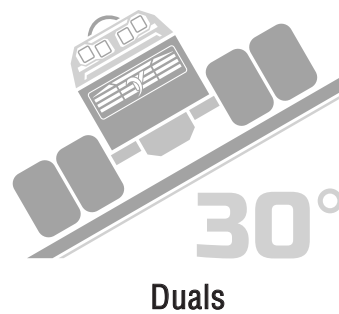
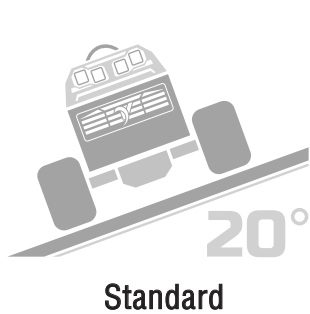
Folding ROPS	Standard
Heavy Duty Off-Road Seat Belt	Standard

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# Max Slope Rating (in any direction)

	Single Tires	Dual Wheels
4520* w/Front Attachment (unless specified otherwise below)	20°	30°
4520 w/Cab	10°	Not Recommended
4520 w/Spreader	10°	Not Recommended
4520 w/RV602	10°	15°
4520 w/KH500	5°	Not Recommended
4520 w/MA900	10°	18°

\*Attachments, accessories, and tire configuration may reduce the 4520 power unit's maximum angle of operation. Refer to applicable operator manuals for maximum angle of operation of equipment.



# ENGINE RATINGS

Model #	4520K	4520P	4520Y	4520N	4520Z
Engine	B&S Vanguard Model 54	Kawasaki FD851D	Kubota D902	Kubota WG972 EFI	Kubota WG972-GL
Fuel	Gas	Gas (DFI)	Diesel	Gas	Gas
Max Slope Intermittent Use***	30° (58%)^	30° (58%)	30° (58%)^	30° (58%)^	30° (58%)^
Max Slope Continuous Use***	25° (47%)	30° (58%)	20° (36%)	25° (47%)	20° (36%)

\*\*\* For slope operation over 20°, Wheel Extensions are required for up to 25° or Dual Wheels are required for up to 30°



Digital Slope Gauge  
Recommended for operation on slopes.



## Intermittent Use Defined

^ The engine may operate between 20° and 30° for up to 10 minutes. If 10 minutes is reached, the engine must be returned to 20° or less to assure proper oil lubrication. After returning to 20° or less, the intermittent cycle can be repeated. The 4520P Kawasaki DFI engine is rated for 30° continuous operation and does not have this requirement.

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