

## Model 4500 Specifications

- 54 hp gasoline engine, plenty of power!
- The heaviest-duty commercial mowers on the market
- True zero-degree maneuverability
- Year-round attachments:
- 60 or 72-inch Quadcyclor™ decks
- Winter attachments
- Hi-Lift BAC-VAC™
- Hydraulic Edger attachment
- Range Wing™ attachment

### ENGINE SPECIFICATIONS 4500

Horsepower	54
No. of Cylinders	4
Displacement	76 cu in
Maximum Torque	72.5 ft lbs @ 2600-3600 rpm



**Make** Ford Industrial. Model Model 4500 - VSG-413. **Type** Four-cylinder, in-line, 4-cycle gasoline, liquid-cooled. Valve-in-head. **Construction** Special high-grade cast iron cylinder block. Overhead valve design with cross-flow cast-iron cylinder head. Nodular iron crankshaft with five main bearings, five on the 4500. Steel-backed, replaceable copper-lead bearings. Forged steel I-beam connecting rods. Positive crankcase ventilation system. Compression Model 4500 - 9.3:1. **Operating rpm** 3000 rpm (max. load), 3200 rpm (no load). **Starter** 12-volt Ford, external solenoid actuated pinion. Ignition key operates system. **Charging System** 12-volt, negative ground, 25-amp, belt-driven alternator. **Lubrication** Positive pressure to crankshaft main bearings, camshaft bearings, and rocker arms. Oil mist to piston pins, cylinder walls and indexed pressure to timing gear. Eccentric bi-rotor oil pump. Full flow spin-on replaceable oil filter. **Carburetor** Single venturi downdraft-type with manual choke. **Injector Pump** Bosch K type mini pump. **Crankcase Capacity** 3.5 quarts (3.3 l) with filter change. **Air Cleaner** Heavy-duty, remote-mounted Donaldson Cyclo-pac® filter. Dry, replaceable filter element with cyclone pre-cleaner. Service indicator. **Muffler** Single. Industrial-type. **Fuel** Regular or unleaded gasoline. **Fuel Capacity** 11 gal (50.05l). **Fuel Filter** Replaceable, automotive-type. **Cooling System** Forced circulation with high-capacity radiator and coolant recovery system. **Governor** V-belt driven mechanical type.

**TRACTION DRIVE SYSTEM** :Type Dual Hydrostatic, closed loop system. **Pumps** Tandem hydrostatic pump. Variable displacement, axial piston type. Each pump powers one drive wheel motor. System operates on 10W40 motor oil. Pump Drive V-belt drive from engine crankshaft with manual clutch for easier starting. **Final Drive** Direct-drive, high-torque wheel motors. One for each wheel. **Filter** 10 micron, pressure side, replaceable spin-on type. **Ground Speed** 0-10 mph (0-16.1 kph) forward and 0-6 mph (0-9.7 kph) reverse, infinitely variable. **Steering** One hand Trim Steering™ offers all the responsive control of twin lever steering in a single lever. Provides independent control of each of two drive wheels. Trim Steering gives the operator safe, smooth turning, braking and drive speed control for accurate trimming and superior maneuverability. **Turning Radius** True zero degree. Turns within its own length. Counter-rotating, independently powered drive wheels.

**BRAKES:** Service Independent, dynamic braking through hydrostatic transmissions. Parking Positive, automotive-type drum and shoe. Hand-operated lock-over-center control lever on left side of operator. Adjustable tension.

**FRAME:** Constructed of 3/16 in (.5 cm) welded steel and 2 in x 2 in (5 cm x 5 cm) steel torsion tubes with 1/8 in and 3/16 in (.3 cm and .5 cm) wall thickness.

**ATTACHMENT DRIVE:** PTO shaft, splined, two high-speed U-joints. PTO shaft speed: 3000 rpm.

**ATTACHMENT CLUTCH:** Electromagnetic.

**ATTACHMENT LIFT:** Hydraulic cylinder with hand lever control.

**ATTACHMENT TOOL BAR:** Two-point tool bar, quick disconnect type. Constructed of 1/4 in x 1/2 in (.6 cm x 1.3 cm) welded steel.

**AUXILIARY HYDRAULICS:** Auxiliary hydraulic valve with manual control lever and quick couplers.

**CAPACITIES:** Hydraulic Oil 3.5 gal (13.2 l). Coolant 3.25 gal (9.5 l)

**TIRES:** Standard rear tires - 13 x 6.50-6 with rib tread.

**Four drive tire options:**

23 x 8.50 - 12, turf tread.

23 x 10.50 - 12, turf tread, (6 ply).

23 x 10.50 - 12, bar tread, (6 ply).

24 x 13 - 12, turf tread.

**DIMENSIONS:** Length - 100 in (254 cm). Width - 50 in (127 cm). Height - 50.5 in (128 cm). Weight 1510 lbs (685 kg)

**SAFETY FEATURES:** Safety interlock system with seat switch connected to neutral lock and PTO switches. Steering levers must be locked in neutral and PTO switch must be off before engine will start.

**CONTROLS :** Hand-operated throttle, ignition switch, PTO clutch switch, pump clutch lever, parking brake lever, attachment lift lever, and auxiliary valve lever. Manual choke.

**INDICATORS :** Hour meter, oil pressure warning light, engine heat warning light and alternator warning light. Audible signal for high engine temperature or low engine oil pressure.

**ATTACHMENTS :**

60" or 72" Side Discharge Deck

60" or 72" Quadcycler Deck

60" Flail Mower

72" Heavy-duty Dual-Trim Deck

Hustler Range Wing

Hydraulic Range Wing

Hi-Lift BAC-VAC

Hydraulic Edger

60" or 72" Dozer Blade

60" V-Blade

54" or 60" Snow Thrower

ROPS and ROPS/Cab

*All Excel equipment meets or exceeds ANSI B71.4 specifications. Specifications subject to change without notice.*

38 hp Kubota diesel engine, plenty of power!

The heaviest-duty commercial mowers on the market

True zero-degree maneuverability

Year-round attachments

60 or 72-inch Quadcycler™ decks

Winter attachments

Hi-Lift BAC-VAC™

Hydraulic Edger attachment

Range Wing™ attachment

**ENGINE SPECIFICATIONS 4600**

Horsepower 38

No. of Cylinders 4

Displacement 91.44 cu in

Maximum Torque 68 ft lbs @ 2100 rpm

**Make** Kubota. Model Number Model 4600 - V1505. **Type** In-line, 4 cycle diesel, liquid-cooled. **Construction** Special high-grade cast iron cylinder block. Cross-flow cylinder head. Chrome molybdenum crankshaft. Three-layer aluminum alloy bearings. Spherical-type combustion chamber. Compression 22:1. **Operating rpm** 3000 rpm (max. load), 3200 rpm (no load). **Starter** 12-volt, gear drive. Starter Assist Glow plug system is standard. Ignition key operates system. **Charging System** 12-volt, negative ground, 30-amp, belt-driven alternator. Lubrication Positive pressure with replaceable spin-on filter. Trochoid rotor-type oil pump. **Injector Pump** Bosch mini pump. **Injector Nozzle** DN 12 SD12. **Crankcase Capacity** 4600 - 6 quarts (5.7 l). **Air Cleaner** Heavy-duty, remote-mounted Donaldson Cyclo-

pac® filter. Dry, replaceable filter element with cyclone pre-cleaner. Service indicator. **Muffler** Single, industrial-type. **Fuel** Diesel No. 2. **Fuel Capacity** 11 gal (50.05 l). **Fuel Filter** Replaceable, automotive-type. **Cooling System** Forced circulation with high-capacity radiator and coolant recovery system. **Governor** Centrifugal ball mechanical type.

**TRACTION DRIVE SYSTEM:** **Type** Dual Hydrostatic, closed loop system. **Pumps** Tandem hydrostatic pump. Variable displacement, axial piston type. Each pump powers one drive wheel motor. System operates on 10W40 motor oil. Pump Drive V-belt drive from engine crankshaft, clutched for easier starting. **Filter** 10 micron, pressure side, replaceable spin-on type. **Ground Speed** 0-10 mph (0-15 kph) forward and 0-6 mph (0-9 kph) reverse, infinitely variable. **Steering** One hand Trim Steering offers all the responsive control of twin lever steering in a single lever. Provides independent control of each of two drive wheels. Trim Steering gives the operator safe, smooth turning, braking and drive speed control for accurate trimming and superior maneuverability. **Turning Radius** True zero degree. Turns within its own length. Counter-rotating, independently powered drive wheels.

**BRAKES:** Service Independent, dynamic braking through hydrostatic transmissions. Parking Positive, automotive-type drum and shoe. Hand-operated lock-over-center control lever on left side of operator. Adjustable tension.

**FRAME:** Constructed of 3/16 in (.5 cm) welded steel and 2 in x 2 in (5 cm x 5 cm) steel torsion tubes with 1/8 in and 3/16 in (.3 cm and .5 cm) wall thickness.

**ATTACHMENT DRIVE:** PTO shaft, splined, two high-speed U-joints. PTO shaft speed: 3000 rpm.

**ATTACHMENT CLUTCH:** Electromagnetic.

**ATTACHMENT LIFT:** Hydraulic cylinder, hand lever control.

**ATTACHMENT TOOL BAR:** Two-point tool bar, quick disconnect type. Constructed of 1/4 in x 1/2 in (.6 cm x 1.3 cm) welded steel.

**AUXILIARY HYDRAULICS:** Auxiliary hydraulic valve with manual control lever and quick couplers.

**CAPACITIES:** Hydraulic Oil 3.5 US gal (13.2 l),. Coolant 3.5 US gal (13.2 l). Fuel 11 US gal (41.8 l).

**TIRES:** Standard rear tires - 13 x 6.50-6 with rib tread.

Four drive tire options:

23 x 8.50 - 12, turf tread.

23 x 10.50 - 12, turf tread, (6 ply).

3 x 10.50 - 12, bar tread, (6 ply).

24 x 13 - 12, turf tread.

**DIMENSIONS:** Length - 100 in (254 cm). Width - 51 in (129.5 cm). Height - 50.5 in (128 cm). Weight: 1520 lbs (689 kg)

**SAFETY FEATURES:** Safety interlock system with seat switch connected to neutral lock and PTO switches. Steering levers must be locked in neutral and PTO switch must be off before engine will start.

**CONTROLS:** Hand-operated throttle, ignition switch, PTO clutch switch, pump clutch lever, parking brake lever, attachment lift lever, and auxiliary valve lever. Ignition switch controls solenoid-activated engine shutoff.

**INDICATORS:** Hour meter, oil pressure warning light, engine heat warning light and alternator warning light. Audible signal for high engine temperature or low engine oil pressure.

**ATTACHMENTS:**

60" or 72" Side Discharge Deck

60" or 72" Quadcycler Deck

60" Flail Mower

72" Heavy-duty Dual-Trim Deck

Hustler Range Wing

Hydraulic Range Wing

Hi-Lift BAC-VAC

Hydraulic Edger

60" or 72" Dozer Blade

60" V-Blade

54" or 60" Snow Thrower

ROPS and ROPS/Cab

## Hi-Lift BAC-VAC™ Specifications (4000 Series)

- 15-bushel capacity, mow longer between dumps
- Hydraulic dump over 54" high
- Hopper is mounted behind driver, no loss of maneuverability
- Low maintenance requirements
- Excellent for leaf clean-up in the fall
- Several pick-up options: All clippings can be collected, or all clippings can be recycled/mulched, or part of the clippings can be recycled while the rest are collected. No other vacuum system offers this versatility!



**Capacity** 15 bushels. **Overall Weight** 375 lbs. **Hopper Dimensions** Length 50". Width 34". Height 30". **Construction** Hopper - 20 gauge steel. Lift arms -1/2" x 3" steel. **Safety Features** Lock-up pin holds hopper up in fully raised position. **Lift Type:** Hydraulic cylinder with hand lever control. **Lift Height** 54" (Ground to bottom of hopper). **Overall Height** in Lowered Position 68". **Overall Length** 128" (w/ 60" Quadcycler™ deck). Width of 60" Quadcycler™ Deck w/Blower: 72". Width of 72" Quadcycler™ Deck w/ Blower 84". **Blower type** 12" diameter, V-belt driven. **Blower Construction** Abrasion resistant metal. **Delivery Tube** 6" I.D. heavy-duty flexible tube.

Fits 4000 Series tractors.

*Quadcycler™, BAC-VAC™, Hi-Lift BAC-VAC™, and Extra Hi-Lift BAC-VAC™ are registered trademarks of Hustler Turf Equipment manufactured by Excel Industries, Inc.*

## 3000 & 4000 Series Edger

**Tractors Available 3000-Series (also fits 4500, 4600 and 6400 Hillsider™)**

*Specifications subject to change without notice.*

Tractor-mounted, hydraulic edger attachment  
for Hustler 3000 and 4000 Series

The ground-driven, self-sharpening Edger is much safer for the operator, bystanders, and property than powered edgers because there are no spinning blades and no thrown objects. And, it is much, much faster because the operator rides instead of walking – as fast as 9 mph! The Edger can be mounted or removed in seconds without tools. Hydraulic cylinder applies down pressure for a beautiful edge. Municipalities, schools, and universities will really find this attachment a labor saver.

### SPECIFICATIONS:

**Type** Side-mounted edger mounts to tractor frame without tools (requires Side Mount Kit be installed on tractor). Self-sharpening, reversible, concave blade continually cleaned by scraper. **Construction** Frame 2.25 in (6 cm) diameter steel tube with .312 in (.8 cm) wall, .187 in (.47 cm) and .375 in (1 cm) steel. Blade .125 in (.3 cm) steel, 16 in (41 cm) diameter. Depth Gauge Hub Cast ductile iron, 9 in (23 cm) diameter with sealed bearing. Safety Shield over Blade .125 in (.3 cm) steel. (Safety shield can be inverted to add weights.)

**Adjustments** Parallel Arms 4 in (10 cm) side-to-side travel. Two position height adjustment. **Dimensions** 23 in (58 cm) wide x 34 in (86 cm) long. Weight 78 lbs (35.41 kg).

## Hustler 4000-Series Winter Attachments

Hustler 4000-Series turf tractors are more than the most productive mowers on the planet. The front-mount tool bar can accommodate a wide variety of labor-saving attachments.

For winter snow-removal chores, the 4000 Series offers a choice of 54" or 60", two-stage snowthrower, 60 or 72" dozer blades, 60" v-blade, and a certified ROPS cab that can be equipped with heat and lights. These winter attachments allow owners to take full advantage of their investment, making the Hustler a productive, year-round choice. While other machines are sitting idle during the winter months, Hustler tractors are hard at work!



## **ROPS Cab**

### **Features & Benefits**

- Certified 4-Post ROPS\* – assurance of safety
- Tempered safety glass – huge windows for maximum visibility
- Lift-off doors – can be installed and removed very easily without tools
- Large, roomy size – comfortable environment for operator
- Foam insulation – helps to deaden sound

### **Specifications**

Dimensions	Width:	38 in (96.5 cm)
	Length:	46.5 in (94.5 cm)
	Height:	54.75 in (223.6 cm)
	Weight:	158 lbs (71.66 kg) (Cab Panels) 382 lbs (173.3 kg) (ROPS)
Construction	ROPS:	1.5 in (3.9 cm) square steel tubing
	Cab Panels Glass:	.218 in (.6 cm) tinted safety glass
Optional Accessories	Lights, Flashers, Beacon Light, Heater and Wiper Kit	

\*Hustler ROPS are tested to meet SAE and ASAE Safety Standards.

### **4000-Series Snowthrower Features & Benefits**

- 54" or 60" width of cut – Wider than competitive units. Also, wider than tractor with 10.5" tires so tractor fits within width of cut.
- 18" diameter, 4 blade fan – high capacity snow throwing.
- Discharge spout can be hydraulically rotated 190 degrees from operator's seat – stay productive without leaving your seat.
- Proven product design – unit has been on the market for years.

### **4000-Series Snowthrower Specifications**

Dimensions	Opening:	(54-inch Model) 54 in (137 cm) wide x 27 in (69 cm) high (60-inch Model) 60 in (152 cm) wide x 27 in (69 cm) high
Construction	Housing:	16-gauge and .125 in (.3 cm) steel
	Auger:	.187 in (.5 cm) steel
	Scraper:	.187 in (.5 cm) steel
	Skid Shoes:	.187 in (.5 cm) hardened steel
	Impeller:	.25 in (.6 cm) steel
	Tool Bar:	.5 in (1.3 cm) steel and 3 in (7.6 cm) square steel tubing
	Auger Spindle:	Cast ductile iron with 1 in (2.5 cm) high carbon steel shaft, two sealed ball bearings mounted in 1 in (2.5 cm) steel plate
Drive Type	PTO and V-belt to gearbox, chain and sprocket drives to auger and impeller	
Discharge Spout	9 in (23 cm) diameter	

Spout Rotation 190°, hydraulically controlled  
Tractors Available 4500 & 4600 (also fits 6400 Hillsider™)

## **60 or 72-inch Snow Blades**

### **Features & Benefits**

- Long life, heavy-duty construction
- Spring-loaded blade. Blade snaps back after hitting obstacles for product durability
- Year-round versatility
- Replaceable 3/16" steel or optional rubber scraper blade

Tractors Available 4500, 4600 (also fits 3000-Series and 6400 Hillsider™)

## **60-inch V-Blade**

### **Features & Benefits**

- Long life, heavy-duty construction
- Replaceable 3/16" steel or optional rubber scraper blade

Tractors Available 4500, 4600 (also fits 3000-Series and 6400 Hillsider™)

*Specifications subject to change without notice.*