

Affordable performance in a FrontMount™ package



**524V**

42

724cc, V-twin, OHV  
B&S Commercial Turf  
gasoline engine

**526V**

52

810cc, V-twin, OHV  
B&S Vanguard  
gasoline engine



Standard PowerFold® Electric Deck Lift  
See page 13 for more info.

The Grasshopper 500V Series is the most economical and compact Grasshopper FrontMount™ mower available, providing all the maneuverability, cut quality and durability only Grasshopper True ZeroTurn™ mowers provide. Reach under low-hanging trees and shrubs and trim as you mow for timesaving performance.

Easily pass through gates with the narrow 107 cm (42-inch) model or choose the 132 cm (52-inch) model to handle larger properties. Both decks are 14 cm deep. The PowerFold® Electric Deck Lift on both models raises the cutting deck vertically for easy cleaning and servicing of the underside or to fit more on a trailer. The PowerFold® is also used to adjust cutting height range from 5.1 to 11.4 cm. (2.0 to 4.5 inches) The anvil-edge deck design, with reinforced leading edge, stands up to the rigors of commercial mowing and easily converts from side discharge to Down Discharge™ mulching or PowerVac™ collection using the same deck.

Design-matched, fully hydraulic Parker HTE Series integrated pump-and-wheel motor transmissions with in-line cooling fans and fine-particle filtration provide smooth, reliable power. Enjoy longer service life, while best-in-class fluid change intervals with no break-in period using CoolTemp Hydro-Max™ fluid reduces costs and maintenance time.

All steering levers are hydraulically dampened to provide a smooth, responsive ride and automatically return to neutral when releasing levers from both forward and reverse.

Enjoy Grasshopper's legendary comfort with a deep-cushioned Premium Comfort Seat covered with CoolTemp Cordura® fabric. With lumbar support and coil-spring suspension, you'll stay comfortably in control with all-day comfort.



Mowing speeds up to 12.9 KPH  
and 1.53 hectares/hr. based on  
133 cm cutting width\*  
For more details visit:  
[grasshoppermower.com/hectares](http://grasshoppermower.com/hectares)

● Standard deck    ■ DuraMax® deck

## OPTIONS

- » Quik-D-Tatch® PowerVac™ Collection Systems
- » Down Discharge™ mulching packages
- » TrimAide™ roller kit (526V-52)
- » Yellow beacon light
- » GrassMax™ blade options
- » LED work lights
- » Adjustable cup holder
- » Bar tread low-pressure tires
- » QuikAjust Tilt™ steering levers with "no tools" 23 cm comfort range
- » Dual-fork tail wheels
- » Wide-stance, single-fork tail wheels on 524V-42
- » Sunshade Canopy
- » Side discharge control kit
- » Little Bully™ dozer blade
- » DriftBuster™ Snowthrower



# AIR-COOLED 500V SERIES - SPECIFICATIONS

## MODEL - CUTTING WIDTH

524V-42 526V-52

### ENGINE

#### Type/Displacement/Cylinders

B&S Commercial Turf - gasoline/ 724cc (44.2 cu. in.)/V-twin

B&S Vanguard - gasoline/ 810cc (49.4 cu. in.)/V-twin

### Lubrication System

Pressure Lube, Filter

### Crankshaft

Vertical

### Cooling System

Air

### Fuel / Capacity

Gasoline - unleaded/ 15.1 l (4.0 U.S. Gal.)

### Air Cleaner

Integrated, cyclonic air cleaner with 5-step debris management system

Remote-mounted, centrifugal multi-stage air cleaner with advanced debris management

### Muffler

Ultra-quiet, single, industrial type

## STARTER & ELECTRICAL SYSTEM

### Maintenance-Free Battery/Charging Capacity/Starter

12 volt/16 amp/remote solenoid

12 volt/16 amp/solenoid shift

### Ignition

Breakerless

### Interlock System

Prevents engine start when PTO clutch is engaged or steering levers are in drive position. Allows operator dismount without engine shutdown only when PTO is disengaged and steering levers are locked in neutral.

## ULTIMATE OPERATOR STATION™

### Premium Comfort Seat

Iso-mounted, high-back, multi-density, foam-padded, Cordura®-covered, padded arms/backrest with lumbar support, coil-spring suspension and embroidered Grasshopper logo on seat back.

### Console-Mounted Instruments

Low engine oil pressure and parking brake indicator lights, digital hour meter, ignition and push/pull PTO switches. Choke integrated with throttle lever.

### Operator Protection

Operator Protection Structure (OPS)

### Work Lights

LED (optional)

## TRANSMISSION & STEERING

### Type

Design-matched hydrostatic system with integral cooling fans. Fully hydraulic, integrated Parker HTE Series transmission with variable displacement piston-type pumps and high-torque wheel motors for each drive wheel.

### Filtration/Hydro Fluid

Internal field-serviceable filter/No break-in required; CoolTemp Hydro-Max™ fluid.

### Speed

0 - 12.9 kph (0 - 8.0 mph) forward

0 - 8.9 kph (0 - 5.5 mph) reverse

### Turning Radius

True zero degree, turns within own length with counter-rotating, independently powered drive wheels.

Seat is pivot point.

### Steering

One- or two-hand operation with adjustable Hydra-Smooth™ dual levers that automatically return to neutral from either forward or reverse position.

### Brakes

Dynamic braking through hydrostatic transmission. Drum style parking brake.

## POWER UNIT TIRE SIZES

Drive Wheels: 20 x 8-10 turf tread

Tail Wheel: 13 x 6.5-6 rib tread, pneumatic (single fork)

Tail Wheel: 13 x 6.5-6 rib tread, pneumatic (wide-stance single fork)

Tail Wheel: 13 x 6.5-6 rib tread, pneumatic (dual fork)

## MODEL - CUTTING WIDTH

524V-42 526V-52

## POWER UNIT DIMENSIONS

Width: 106.7 cm (42 in.)

Length: 151.1 cm (59.5 in.)

Height (Operator Protective Structure): 162.6 cm (64.0 in.)

Height (seat back): 114.3 cm (45.0 in.)

Height (seat cushion): 73.7 cm (29.0 in.)

Wheelbase: 121.9 cm (48.0 in.)

## DECKS

Model	524V-42	526V-52
Width of cut	106.7 cm (42 in.)	132.1 cm (52 in.)
Width with deflector down	141.0 cm (55.5 in.)	166.5 cm (65.5 in.)
Width with deflector raised	114.3 cm (45.0 in.)	139.7 cm (55.0 in.)
Width (mulching)	110.5 cm (43.5 in.)	135.9 cm (53.5 in.)
Cutting Height	5.1 cm to 11.4 cm (2.0 to 4.5 in.)	
Deck Lift	PowerFold® (see page 6)	

### Construction (Robotic-welded steel)

Geometrically engineered design with 7-gauge skirts withstands the brunt of commercial mowing.

(3) Sentry™ spindles and a triple-strength upper deck is over 12.7 mm (0.50-in.) thick in stress zones.

Formed, double-thickness, tempered steel truss spindle plane is 5.33 mm - equal to 5-gauge (5.31 mm)

Formed, double-thickness, tempered steel truss spindle plane is 6.83 mm (0.269 in.) - 7.6% thicker than 6.35 mm (0.25 in.)

Anvil-edge design with reinforcement on front edge of deck

DuraMax® deck

Blades (MARBAIN®, 6.35 mm) (High-lift blades standard)

Tempered, alloy steel (3) 38.1 cm (15 in.) (3) 45.7 cm (18 in.)

### Spindle Assemblies

Spindle head designed to eliminate fiber wrap, 2.5 cm (approx. 1 in.) O.D. shaft. Double bearings, non-greaseable. Deck spindle cones shield housing and lower bearings from fiber wrap and dirt ingestion.

### Spindle Housing - 20.3 cm (8 in.)-diameter with 6-bolt pattern

Machined aluminum

### Blade Drive

Belt drive with single Kevlar® V-belt & idler arm tensioning

### Trimability

(outside of tire to left trim side) 0 mm 12.1 cm (4.75 in.)

### Power Unit/Deck Length

Deck (mowing position) 248.9 cm (98.0 in.) 259.1 cm (102.0 in.)

Deck (folded up) 221.0 cm (87.0 in.) 221.0 cm (87.0 in.)

Tire Size (4-ply rated): 9 x 3.5-4 (flat-proof)

## WEIGHT (Power Unit & Deck)

Uncrated: 424.1 kg (935 lbs.) 464.9 kg (1,025 lbs.)

Mulching Package 10.0 kg (22 lbs.) 13.2 kg (29 lbs.)

● Standard ○ Option