

600 SERIES

AIR-COOLED FRONTMOUNT™

Reliable economy to go the distance



A practical solution for your home or business, delivering the agile performance and quality cut only Grasshopper True ZeroTurn™ mowers can provide. Trim while you mow under shrubs and fences and enhance your precision cutting capabilities.

The horizontal crankshaft configuration adds performance life to the engine.

Design-matched T-Drive™ hydrostatic drive systems, with AntiVibe Power Platform®, direct more power to the cutting deck and eliminate vibration. The CoolFan™ hydrostatic pump and filter cooling system partner with wheel motors for smooth, responsive steering and less maintenance with 1,000-hour fluid change intervals.

5.5-inch deep 52-inch DuraMax® decks, with anvil-edged design for exceptional durability, and the 44- and 48-inch decks easily convert from wide-pattern side discharge to optional mulching or vacuum collection. Or choose the 52-inch 4-in-1 deck to add a rear-discharge option that distributes clippings out the back. A dedicated 52-inch rear-discharge deck is also available.

Change cutting height easily on the job with the flip of the PowerFold® switch. Use the same switch to electrically fold up the deck for storage and easy maintenance.

Deep-cushioned Ultimate Suspension Ride™ (USR™) seat featuring CoolTemp Cordura® with lumbar support and coil-spring suspension keeps the operator comfortably in control for all-day comfort.

ComfortReach™ levers provide the operator a custom steering fit.

Quickly attach a wide range of seasonal implements with the exclusive QuikConverter™ Implement System to save time and labor on all your jobs.

623T

48 52

694 cc, Kohler Command V-Twin OHV gasoline engine

616T

44 48

480 cc, Briggs & Stratton V-Twin OHV gasoline engine



Mowing speeds up to 8.5 MPH and 4.02 acres/hr. based on 52" cutting width*

For more details visit: grasshoppermower.com/acres



IT'S SO MUCH MOWER®

● Standard deck ■ DuraMax® deck

OPTIONS

- » Quik-D-Tatch® PowerVac™ Collection Systems
- » Down Discharge™ mulching packages
- » Speed-Trimming™ heavy-duty roller
- » Halogen or LED work lights
- » Full-flotation deck
- » Extended steering levers
- » ComfortReach™ "no tools" QuikAdjust Tilt™ steering levers with 9-inch comfort range
- » Big Boy wide-seat conversion kit
- » Premier suspension seat
- » Adjustable cup holder
- » Bar tread, low-pressure tires
- » QuikConverter™ implements
- » Yellow beacon light
- » Filter minder
- » Dual-fork tail wheels or wide-stance, single-fork tail wheels
- » Performance package including bar tread, low-pressure tires and wide-stance single-fork tail wheels
- » 4-in-1 convertible 52-inch deck features PowerFold® and includes rear discharge
- » QuikConverter™ implement capability with wiring harness
- » PowerFold® height adjustment switch on armrest
- » Sunshade Canopy (for OPS)
- » Hour meter (616T)

Be more productive with the addition of a PowerVac™ Collection System or other implements. Ask for specifications or visit grasshoppermower.com/implements. Models may be shown with optional equipment. *Actual results may vary.

Air-Cooled 600 Series FrontMount™ Specifications

MODEL	616T	623T
ENGINE		
Type/Displacement/Cylinders		
Briggs & Stratton Vanguard / 29.3 cu. in. (480 cc) / V-Twin	●	
Kohler Command / 42.4 cu. in. (694 cc) / V-Twin		●
Crankshaft/Cooling System		
Horizontal / Air	●	●
Fuel/Capacity		
Gasoline - unleaded / 4.0 U.S. Gal. (15.1 l)	●	●
Air Cleaner		
Dry element with pre-cleaner	●	
Heavy-duty, remote-mounted engine air cleaner with replaceable element		●
STARTER & ELECTRICAL SYSTEM		
Maintenance-Free Battery		
12 Volt	●	●
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™		
USR™ Seat		
Iso-mounted, high-back, multi-density, foam-padded Cordura®-covered, padded arms/backrest with lumbar support and coil-spring suspension.	●	●
Premier Suspension Seat	○	○
Console-Mounted Instruments		
Parking brake indicator light, choke, work light, ignition and push/pull PTO switches.	●	
Hour meter	○	●
Low engine oil pressure and parking brake indicator lights, work light, ignition and push/pull PTO switches. Choke integrated with throttle lever.		●
Operator Protection		
Operator Protection Structure (OPS)	●	●
Work Lights		
Incandescent	●	●
Halogen or LED	○	○
TRANSMISSION & STEERING		
Type		
T-Drive™ hydrostatic transmission with tandem 12 cc Parker pumps-in-reservoir, in-line CoolFan™ for cooling efficiency, design-matched Parker high-torque wheel motors. AntiVibe Power Platform™ reduces vibration for the operator.	●	●
Transmission Fluid/Filtration		
Grasshopper CoolTemp Hydro-Max™ fluid withstands high and low temperature extremes for 1,000-hour change intervals. / Integrated, replaceable, high-efficiency, fine-particle filter.	●	●
Speed		
0 – 8.0 mph (0 – 12.9 kph) forward	●	
0 – 8.5 mph (0 – 13.7 kph) forward		●
0 – 5.5 mph (0 – 8.9 kph) 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-handed operation with ComfortReach™ adjustable Hydra-Smooth™ dual levers that automatically return to neutral from either forward or reverse position.	●	●
Brakes		
Dynamic braking through hydrostatic transmission. Compression parking brake	●	●
Disc brakes	●	●
Attachment Drive		
Telescoping PTO shaft with two high-speed U-joints, Quik-D-Tatch® coupler and heavy-duty electric MagStop blade clutch/brake.	●	●
POWER UNIT TIRE SIZES		
Drive Wheels: 20x10.00x8, turf tread	●	●
Drive Wheels (4-ply rated): 20x8.00x8 turf tread*	○	
Drive Wheels (4-ply rated): 21x11.00x8 bar tread	○	○
Tail Wheel: Single-Fork, 13x6.50x6 rib tread, pneumatic	●	●

*Use narrow turf tires with tire chains for snow removal with 616T only. Chains will fit standard turf tires on Model 623T.

MODEL	616T	623T	
POWER UNIT DIMENSIONS			
Width: 43.0 in. (109.2 cm)**	●		
Width: 47.0 in. (119.4 cm)**		●	
**Add 1.0 in. (2.5 cm) for bar tread tires.			
Length: 59.0 in. (149.9 cm)	●	●	
Height (Operator Protective Structure): 63.0 in. (160.0 cm)	●	●	
Height (seat back): 43.5 in. (110.5 cm)	●	●	
Height (seat cushion): 26.0 in. (66.0 cm)	●	●	
Wheelbase: 46.0 in. (116.8 cm)	●	●	
WEIGHT			
Uncrated: 730 lbs. (331.1 kg)	●		
Uncrated: 750 lbs. (340.2 kg)		●	
DURAMAX® DECKS			
Model	3344	3348	3452
Width of cut	44 in. (111.8 cm)	48 in. (121.9 cm)	52 in. (132.1 cm)
Width with deflector down	57.5 in. (146.0 cm)	61.5 in. (156.2 cm)	65.5 in. (166.5 cm)
Width with deflector folded up	47.0 in. (119.4 cm)	51.0 in. (129.5 cm)	55.0 in. (139.7 cm)
Width (mulching)	45.5 in. (115.6 cm)	49.5 in. (125.7 cm)	53.5 in. (135.9 cm)
Cutting Height	1.0 to 5.0 in. (2.5 cm to 12.7 cm)		
PowerFold®		●	●
Manual deck lift	●	○	○
Compatibility			
616T	●	●	
623T		●	●
Construction (Robotic-welded steel)			
Tubular 2.25-in. x 4-in. boxed members with 0.25-in. gussets. Geometrically engineered design with 7-gauge skirts withstands the brunt of commercial mowing. (3) Sentry™ spindles and a triple-strength upper deck, over 0.50-in. thick in stress zones.	●	●	●
Formed double thickness hardened steel truss spindle plane is 0.2391-in. – equal to 3-gauge (6.07 mm)	●	●	
Formed double thickness hardened steel truss spindle plane is 0.269-in. – 7.6% thicker than 0.25-in. (6.35 mm)			●
Blades† (MARBAIN®, 1/4-in.)			
Tempered, alloy steel	(3) 15 in. (38.1 cm)	(2) 18 in. (45.7 cm) (1) 15 in. (38.1 cm)	(3) 18 in. (45.7 cm)
†High-lift blades standard			
Sentry™ Spindle Assemblies			
Spindle head designed to eliminate fiber wrap. Machined aluminum housing. 2.5 cm (approx. 1 in.) O.D. shaft. Double bearings. Greasable from top of deck. (Deck spindle cones shield housing and lower bearings from fiber wrap and dirt ingestion – 52-in. deck only)			
Spindle Housing – 8-in. (20.3 cm)-diameter with 6-bolt pattern			
Machined aluminum	●	●	●
Blade Drive			
Maintenance-free gearbox with single Kevlar® V-belt and idler arm tensioning			
Trimability			
(Outside of tire to left trim side)	2.25 in. (5.7 cm)	616T – 5.5 in. (14.0 cm) 620T – 3.5 in. (8.9 cm)	2.5 in. (6.4 cm)
Power Unit/Deck Length			
Deck (mowing position)	96.5 in. (245.1 cm)	99.0 in. (251.5 cm)	100.0 in. (254.0 cm)
Deck (folded up)	77.5 in. (196.8 cm)	78.0 in. (198.2 cm)	83.0 in. (210.8 cm)
Tire Size (4-ply rated): 9x3.50x4 (flat-proof)	●	●	●
Weight Uncrated			
Side Discharge	260 lbs. (117.9 kg)	290 lbs. (131.5 kg)	370 lbs. (167.8 kg)
Mulching Package††	22 lbs. (10.0 kg)	25 lbs. (11.3 kg)	29 lbs. (13.2 kg)
††Mulching package includes high-low mulching blades			

● Standard ○ Option

For a complete list of trademarks/registered trademarks, visit grasshoppermower.com/legal.

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