



# Greensmaster® Flex 18 & 21 Specifications

	GREENSMASTER FLEX 18**, MODEL 04019	GREENSMASTER FLEX 21**, MODEL 04022
<b>ENGINE</b>	Kawasaki®, 4-cycle, 3.7 hp (2.7 kW), air-cooled OHV engine, 3600 rpm. Displacement: 7.57 cu in. (124 cc). Cast iron cylinder sleeve. Electronic ignition. Maximum noise suppression muffler. 83 dB(A) at operator's ear.	
<b>FUEL CAPACITY</b>	2.64 quarts (2.5 liters) regular grade unleaded gasoline.	
<b>GEARBOX DRIVE</b>	<b>Traction:</b> Integral gearbox assembly directly mounted to the engine. The traction drive consists of a constant mesh planetary gear reduction incorporating a wet bath band-type clutch and brake driving a Peerless® differential assembly integrated into the gearbox assembly. Positive drive belt to traction drum. <b>Implement:</b> Consistent mesh gear driven countershaft with integral cone wet clutch. Drive shaft consists of two stainless steel beam couplings for angular misalignment combined with a molybdenum disulfide nylon extension member to accommodate axial movement. Positive drive belt to reel.	
<b>MAINTENANCE</b>	No grease zerks, sealed bearing design eliminates daily maintenance.	
<b>GROUND SPEED</b>	Mowing speed: 1.2-3.3 mph (1.9-5.38 km/h). Transport speed (maximum): 4.9 mph (7.9 km/h).	
<b>TRACTION DRUM</b>	Dual cast aluminum, 7.5" (19 cm) diameter, tapered ends.	
<b>CONTROLS</b>	Engine mounted: recoil starter, choke. Handle-mounted: on/off switch, hour meter, throttle lever, dual function traction/reel control lever, service/park brake lever. Safety devices: neutral interlock system, servicing/park brake, enclosed drive system.	
<b>HANDLE</b>	Loop style, 1" (2.5 cm) diameter with easy pull pin height adjustment, operator selected.	
<b>TRANSPORT TIRES/ KICKSTAND</b>	Two quick detachable pneumatic tires; 3.00 x 3.25-6" (8.25 cm) tread width. Kickstand standard equipment.	
<b>REEL CONSTRUCTION</b>	5" (12.7 cm) diameter, high-strength, low-alloy steel, through hardened, impact resistant, 14 or 11-blade standard, 8-blade optional.	
<b>SUSPENSION</b>	Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around bedknife centerline side to side (roll axis).	
<b>WIDTH OF CUT</b>	18" (45.7 cm)	21" (53.3 cm)
<b>HEIGHT OF CUT</b>	1/16"-1/2" (1.6-12.7 mm) to 3/4" (19.1 mm) with optional High HOC kit.	
<b>CLIP FREQUENCY</b>	11-blade: .14" (3.6 mm) std; .16" and .21" (4.1-5.33 mm) by moving pulleys; 8-blade: .19" (4.8 mm) std; .24" and .29" (6.1 and 7.4 mm)	
<b>CUTTING UNIT CONSTRUCTION</b>	Cast aluminum frame.	
<b>CUTTING UNIT ADJUSTMENTS/SERVICE</b>	Cutting unit detachable from traction unit. Dual screw "click" adjustments to reel. Front roller height of cut adjustment. Sealed reel bearings.	
<b>BEDKNIFE</b>	Bedknife is high carbon through-hardened steel. Microcut Bedknife standard.	
<b>GRASS BASKET</b>	Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.	
<b>ROLLERS</b>	Front Roller: Aluminum Wiehle 2.5" (6.4 cm) diameter with sealed bearings. Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings.	
<b>WORKING WEIGHT</b>	261 lbs. (118 kg) with basket, w/o transport tires and groomer.	267 lbs. (121 kg) w/basket, w/o transport tires and groomer.
<b>WARRANTY</b>	Two-year limited warranty. Refer to the Operator's Manual for further details.	

\*\*04030 Flex 18 CARB (California Air Requirements Board)  
04031 Flex 21 CARB (California Air Requirements Board)

GREENSMASTER FLEX 18 & FLEX 21 ACCESSORIES							
Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
04061	Light Kit	106-4699	High Height of cut kit	108-6468	Front Roller Scraper Kit - Narrow	110-3967	Front Roller Comb Kit - Wide
04119	Out Front Brush Kit	106-6945	21" Full Roller Asm - Rear	110-3961	Front Roller Scraper Kit - Wide	110-3968	Front Roller Comb Kit - Full
04123	Wheel Kit	107-7634	8 Blade Reel Asm - Service	110-3962	Front Roller Scraper Kit - Full	112-9352	Scraper Kit w/rear Roller - 21"
04202	Flex 21 DPA Cutting Unit	107-9038	Wiehle Roller Asm - .93 Spacing	110-3963	Front Roller Brush Kit - Narrow	93-4263	Bedknife- Tournament Cut
112-9282	Operator Presence Kit	107-9039	Full Roller Asm	110-3964	Front Roller Brush Kit - Wide	93-4264	Auxiliary Roller Kit, Flex
04224	Flex Groomer Drive System	108-4303	Bedknife-Microcut, Extended	110-3965	Front Roller Brush Kit - Full	99-3794-03	Bedbar-Aggressive - Black
04227	Carbide Grooming Reel 21"	108-4333	Auxiliary Roller Kit, Flex	110-3966	Front Roller Comb Kit - Narrow		
04206	14 Blade Reel	04228	Grooming Brush - 21"				

\*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in design, required attachments and safety features. Consult your local Toro Distributor.

The Greensmaster Flex 21 is manufactured in Tomah, WI ISO 9002 Certified Plant.

