# Greensmaster® eFlex® 2120

ELECTRIC WALK GREENSMOWER

## FEATURES

**Industry First Lithium-Ion Technology**

- *Mow up to 9 greens (45,000 sq.ft.) on a single charge*
- *Highly efficient*
- *Extremely quiet with no emissions*
- *Virtually maintenance-free*
- *EZ-Turn™ feature slows down traction speed in turns for improved operator control*

**Best-in-Class Cutting Performance**

- *Patented flex suspension technology*
- *Proven DPA Cutting Units*
- *Multiple easy-to-configure clip rate settings*
- *Enhanced clippings capture*

**Ease of Maintenance and Operation**

- *Identical operation and cutting performance as Flex engine models*
- *Telescoping handle for enhanced operator comfort and control*
- *Convenient thumbwheel controller for easy speed adjustments*
- *Traction drive release lever for easy movement while the mower is off*
- *Easy access to service brake for greater operator control*
- *LCD Display provides ongoing battery charge status*
- *Balanced battery management and on-board electronics monitor the mower to automatically optimize battery life*

energy smart™

**EdgeSeries™ Reels**

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## Game changing Lithium-Ion innovation.

Extremely quiet and emission-free, the all-electric Toro® Greensmaster® eFlex® is built with the automated EZ-Turn™ feature that automatically slows the mower down at the end of a mowing pass and speeds it up again on the return pass without sacrificing quality of cut, resulting in better control and reduced turf damage. The eFlex series offers a 21" cutting width (eFlex 2120) and is among the quietest and most efficient walk greensmowers on the market today.




Harnessing the power of lithium-ion battery technology, the eFlex takes electrical efficiency to a new level, allowing operators to mow approximately 45,000 sq. ft. of turf on a single charge. The eFlex series is the first line of mowers to offer lithium-ion battery powered technology. Additionally, a convenient LCD display indicates an ongoing battery charge status and also displays useful information such as machine hours and overall battery health. All Toro Greensmaster mowers feature patented dual precision adjustment (DPA) cutting units.

**Call your Toro distributor at 800-803-8676**

# Greensmaster® eFlex® 2120 Specifications*

| | GREENSMASTER eFLEX 2120, MODEL 04042 |
|---|---|
| **POWER** | Lithium-Ion battery pack – nominal 53-Volt 35 A-Hr (42 – 64 volt, 1.68 kW-hr) with integrated battery management system utilizing CAN communication with the machine controller and charger. Single battery affixed to unit and charged onboard. |
| **ELECTRIC MOTOR** | Brushless permanent magnet DC motor – nominal 1.2 kW (~20A continuous, 30A peak) with integral motor controller and helical gear reduction. |
| **BATTERY CHARGER** | Voltage and current controlled with CAN communication to manage storage wake-up and maintenance features. Complies to max voltage and current limits directed by the battery management system. |
| **TRANSMISSION** | Permanent Magnet DC motor directly coupled to the first stage of a multi-ribbed poly-V belt drive. The traction drums are belt driven through a spur gear planetary differential with integral band style service/parking brake. |
| **MAINTENANCE** | No grease zerks, sealed bearing design reduces daily maintenance. |
| **GROUND SPEED** | Mowing speed: 0.9-3.7 mph (1.4-5.9 km/h). Transport speed (maximum): 5.7 mph (9.2 km/h). |
| **TRACTION DRUM** | Dual cast aluminum 7.5" (19 cm) diameter with taper on outer 2" (5 cm). |
| **CONTROLS** | Start/On/Off ('ignition') switch, LCD Information Center (reports multiple parameters including hours, battery life, faults, etc.) throttle, dual function traction/reel control lever, operator presence control, on/off 'EZ-Turn' switch, service/park brake lever, on/off light switch (optional blank slot in console). |
| **HANDLE** | Loop style, molded contour upper, 1" (2.5 cm) diameter lower tube. Two angular adjustments and lift assist on kickstand with 2.0 inches of telescoping adjustment. |
| **TRANSPORT TIRES/KICKSTAND** | Quick detachable 3.00/3.25 x 6 pneumatic. Lift assist kickstand standard equipment. Loop style with service position lock, 1" (2.5 cm) diameter tube. |
| **REEL CONSTRUCTION** | 8-Blade Reel: 5" (12.7 cm) diameter, 8 high carbon steel blades welded to 5 steel spiders. 11-Blade Reel: 5" (12.7 cm) diameter, 11 high carbon steel blades welded to 5 steel spiders. 14-Blade Reel: 5" (12.7 cm) diameter, 14 high carbon steel blades welded to 5 steel spiders. |
| **SUSPENSION** | Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around bedknife centerline side to side (roll axis). |
| **WIDTH OF CUT** | 21" (53.3 cm) |
| **HEIGHT OF CUT** | Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench height of cut range is .062"-.297" (1.6-7.5 mm) with high height of cut kit, range is .297"-1.0" (7.5-25.4 mm). Effective height of cut may vary depending on turf conditions and bedknife installed. |
| **CLIP FREQUENCIES** | Reel drive consists of three pulleys of different diameter. 6-clip adjustments per reel, based on pulley configuration. |
| **REEL DRIVE** | Transmission reel clutch shaft to a drive shaft with a pair of beam style couplers. |
| **CUTTING UNIT CONSTRUCTION** | Machined cast aluminum frame. |
| **CUTTING UNIT ADJUST./SERVICE** | Cutting unit detachable from traction unit. Dual screw "click" adjustments to reel. Front roller height of cut adjustment. Sealed stainless steel reel bearings. |
| **BEDKNIFE** | Bedknife is high carbon through-hardened steel. EdgeMax™ Microcut Bedknife is standard on 11 & 14-blade cutting unit. EdgeMax bedknife is solid tool steel. |
| **GRASS BASKET** | Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection. |
| **ROLLERS** | Front Roller: Optional – must be ordered. Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings. |
| **WORKING WEIGHT** | 293 lbs. (133 kg) w/basket, w/o transport tires and groomer. |
| **CERTIFICATION /WARRANTY** | Designed in accordance to ANSI/CE/WEEE/ROHS/C-TICK. Two-year limited warranty. Years 3-5 prorated warranty on Lithium-Ion Battery. Refer to the Operator's Manual for further details. |

## GREENSMASTER eFLEX 2120 ACCESSORIES

| CUTTING UNITS & REEL OPTIONS | |
|---|---|
| 04290 | 11-Blade DPA Cutting Unit |
| 04292 | 14-Blade DPA Cutting Unit |
| 132-7342 | 14-Blade Reel |
| 132-7341 | 11-Blade Reel |
| 132-7340 | 8-Blade Reel |

| STANDARD CUTTING UNIT EQUIPMENT | |
|---|---|
| 115-1880 | EdgeMax® Microcut Bedknife |
| 106-2648-01 | Less Aggressive Bed Bar |

| BEDKNIFE & BEDBAR OPTIONS | |
|---|---|
| 93-4263 | Tournament Bedknife |
| 93-4264 | Low Cut Bedknife |
| 108-4303 | Extended Microcut Bedknife |
| 93-4262 | Microcut Bedknife |
| 108-4302 | Extended Tournament Bedknife |
| 115-1881 | EdgeMax® Tournament Bedknife |
| 120-9600 | High Height of Cut Kit |
| 99-3794-03 | Aggressive Bedbar |

| TRACTION UNIT ACCESSORIES | |
|---|---|
| 04293 | LED Light Kit (requires Wire Harness 04295) |
| 04295 | Wire Harness |
| 04266 | Push Broom Brush |
| 04123 | Wheel Kit |

| TOOLS | |
|---|---|
| 04399 | Turf Evaluator |
| 125-5610 | Paper – Reel |
| 125-5611 | Shim – Reel |
| 94-9010 | Height of Cut Adjustment Bar |
| 04399 | Turf Evaluator |

| ROLLER OPTIONS | |
|---|---|
| 04255 | Front Narrow Wiehle Roller |
| 04256 | Front Wide Wiehle Roller |
| 04250 | Split Narrow Wiehle Roller |
| 107-3514 | Front Wide Wiehle Roller – Steel |
| 04257 | Front Full Roller |
| 04249 | Split Full Front Roller |
| 04258 | Long Front Narrow Wiehle Roller |
| 04267 | Paspalum Roller |
| 115-7356 | Rear Full Roller – Aluminum |
| 120-9595 | Rear Full Roller – Steel |
| 115-7361 | Front Roller Extension Kit |
| 120-9602 | Rear Roller Adjustment Kit |

| GROOMER OPTIONS | |
|---|---|
| 04648 | Universal Groomer Drive |
| 04802 | Groomer Reel – Twin Tip |
| 127-6119 | Groomer Quick Up Kit (w/o groomer) |
| 04270 | Greens Grooming Brush (21") – Soft |
| 04271 | Greens Grooming Brush (21") – Stiff |

| SCRAPER OPTIONS | |
|---|---|
| 125-3503 | Narrow Wiehle Roller Scraper |
| 125-3504 | Wide Wiehle Roller Scraper |
| 125-3505 | Full Roller Scraper |
| 115-7377 | Narrow Wiehle Roller Scraper Brush |
| 115-7378 | Wide Wiehle Roller Scraper Brush |
| 115-7379 | Full Roller Scraper Brush |
| 115-7380 | Narrow Wiehle Roller Scraper Comb |
| 115-7381 | Wide Wiehle Roller Scraper Comb |
| 115-7382 | Full Roller Scraper Comb |
| 115-7383 | Rear Roller Scraper |

*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.