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Procurement

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Solicitation Response(SR) | Dept: 0310 | ID: ESR11161600000002228 | Ver.: 1 | Function: New | Phase: Final | Modified by batch , 11/16/2016

Header @ 2

List View

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 258526

Procurement Type: Central Purchase Order

Vendor ID: 000000213912

Legal Name: SMITHTURF AND IRRIGATI

Alias/DBA:

Total Bid: \$0.00

Response Date: 11/16/2016

Response Time: 9:21

SO Doc Code: CRFQ

SO Dept: 0310

SO Doc ID: DNR1700000010

Published Date: 11/9/16

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Status: Closed

Solicitation Description: Addendum No. 01 - Golf Course Equipment Purchase

Total of Header Attachments: 2

Total of All Attachments: 2



Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder : 258526

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Date issued	Solicitation Closes	Solicitation Response	Version
	2016-11-16 13:30:00	SR 0310 ESR11161600000002228	1

VENDOR

000000213912

SMITHTURF AND IRRIGATI

Solicitation Number: CRFQ 0310 DNR1700000010

Total Bid : \$0.00

Response Date: 2016-11-16

Response Time: 09:21:06

Comments:

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham

(304) 558-2157

brittany.e.ingraham@wv.gov

Signature on File

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Agricultural machinery for soil preparation	0.00000	EA	\$513,273.470000	\$0.00

Comm Code	Manufacturer	Specification	Model #
21101500			

Extended Description :	Please see Exhibit A Pricing Page. Vendor must provide with their submitted bid before bid opening date and time.

State of West Virginia rfq # DNR1700000010
Summary/Totals page

Submitted by: Smith Turf & Irrigation
Contact: Jay Floyd (704) 512-9186 / jay.floyd@smithturf.com
11/16/2016

Qty	Model Number	Description	Unit Price	Extension
SECTION 3.1.1				
1	08703	Toro Sand Pro 3040	\$16,361.00	\$16,361.00
1	08714	Manual Blade (40")		
1	08731	Mid-Mount ASM		
1	08732	Weeder Tine Toolbar		
1	08751	Tooth Rake		
SECTION 3.1.2				
3	04540	Toro Greensmaster 3420 TriFlex Hybrid (Diesel)	\$37,182.60	\$111,547.80
3	04718	Seat Kit, Standard		
12	04655	14 BL Cutting Unit (<u>4 per machine</u>)		
4	04625	Front Full Roller (Sets of 3)		
4	04646	Spring loaded roller scraper (sets of 3)		
3	117-6774-03	electric weight (required)		
3	04714	3WD Kit		
SECTION 3.1.3				
5	04358	Toro Greensmaster 3150-Q	\$34,905.56	\$174,527.80
15	04654	11 BL Cutting Unit		
5	04625	Front Full Roller (Sets of 3)		
5	93-4263	bedknives - tournament cut		
15	04479	Thatching Reel (Set of 1)		
15	120-9595	rear full roller for thatching reels		
15	04654	11 BL Cutting Unit (3 per machine) extra per spec		
5	04625	Front Full Roller (Set of 3)		
15	93-4263	bedknives - tournament cut		

SECTION 3.1.4

2	03820	Toro Reelmaster 3555-D All-wheel drive	\$46,217.80	\$92,435.60
10	03487	8-blade radial reels (5 per mower)		
2	03406	Powered Rear Roller Brush Only (Kit of 5)		
10	107-2993-03	wiehle roller scraper		

SECTION 3.1.5

1	07384	Toro Workman HDX 2WD (Kubota Gas)	\$22,845.42	\$22,845.42
1	07419	Rear PTO Kit		
1	07316	High Flow Hydraulic Kit		
1	117-4831	HITCH KIT, RECEIVER TUBE		
1	07388	Hand Throttle Kit		

SECTION 3.1.6

1	07053	Toro Versa Vac	\$24,822.60	\$24,822.60
1	07082	Combination Deck		

SECTION 3.1.7

1	30609	Toro Groundsmaster 4000-D 4wd	\$57,255.45	\$57,255.45
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SECTION 3.1.8

2	44552	Toro Pro Force Debris Blower	\$6,738.90	\$13,477.80
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Totals	\$513,273.47
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Sand Pro® 3040 & 5040 Specifications*

	SAND PRO 3040, MODEL 08703	SAND PRO 5040, MODEL 08705
ENGINE	Vanguard® V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 16 hp (11.9 kW) at 3600 rpm. Displacement: 29.3 cu. in. (480 cc). Oil capacity: 1.75 quart (1.9 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.	Vanguard® V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 18 hp (13.4 kW) at 3600 rpm. Displacement: 34.8 cu. in. (570 cc). Oil capacity: 1.75 quart (1.9 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.
AIR CLEANER SYSTEM	Remote mounted 3-phase Donaldson® air cleaner.	
FUEL CAPACITY	50 gallon (18.9 liter) of unleaded gasoline.	
TRACTION DRIVE	Direct driven hydrostatic variable displacement piston pump to 3 hydraulic motors for 3WD. Large, front mounted hydraulic cooler and fan. Foot pedal control, forward/reverse. Patented Series/Parallel hydraulic traction system keeps three wheels working together, virtually eliminates spin-outs.	
GROUND SPEED	Infinitely variable 0-10 mph (16 km/h) forward; 4.3 mph (6.9 km/h) reverse.	
HYDRAULIC OIL	50 gallon (18.9 liter) system capacity. Nylon reservoir to reduce corrosion. 10 (nominal) micron replaceable cartridge.	
TIRES/WHEELS	Three 22 x 11.00-8 pneumatic tubeless tires on demountable, interchangeable wheels. Tire pressure: 4-6 psi (27.5 kPa).	
MAIN FRAME	Tricycle vehicle with welded rectangular tubular steel frame construction. Rear engine placement.	
BRAKES	Dynamic braking through the hydrostatic transmission and hand actuated brake lever.	
STEERING	Manual front wheel steering. 15" (38 cm) diameter steering wheel. Double lubed for life gearbox.	Hydraulic power steering. 15" (38 cm) diameter steering wheel.
CONTROLS/GAUGES	Hand operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Rear hydraulic lift and lower controls. Gauges: hour meter.	Hand operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Front and rear hydraulic lift and lower controls. Gauges: hour meter.
SEAT	High-back cushion seat w/drain hole. 4" front-back adjustment w/additional 1.75" mounting adjustment. (arm rests optional)	
ELECTRICAL FEATURES	12-volt battery, 15 amp., 300 CCA @ 0° F, 12-volt electric starter. Dash mounted ignition switch with key. Neutral interlock switch, seat switch. Also provisions for light kit.	12-volt battery, 15 amp., 300 CCA @ 0° F, 12-volt electric starter. Fender mounted ignition switch with key. Neutral interlock switch, seat switch, also provisions for light kit.
POWER	97 dB(A) under normal operating conditions.	
DIMENSIONS	Width: 58" (147 cm), Length: 67.5" (171.5 cm), Height: 45.25" (114.9 cm), Wheelbase: 42.75" (108 cm)	
GROUND CLEARANCE	6.0" (15.2 cm)	
WEIGHT	Net weight (less fluids): 930 lbs. (421.8 kg).	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details. Briggs & Stratton® provides a two-year commercial engine warranty and a lifetime Magnetron® warranty.	

	FRONT ATTACHMENTS
FRONT LIFT FRAME ASSEMBLY	Front Quick Attach System™ mounting assembly and hydraulic components. Used on Sand Pro 5040 only. Model 08713.
HYDRAULIC FLEX BLADE	Hydraulic QAS flex blade is designed for leveling, packing, and smoothing uneven areas in one pass. Model 08712. Available for SP5040 only (requires Front Lift Frame Assembly - 08712)
MANUAL BLADE	Standard 40" (102 cm) width steel blade. Spring balanced manual blade is used for leveling uneven areas and pushing up bunkers after washouts (cannot be used when 08712 is installed). Model 08714. Blade extension available to increase blade width to 60" (152 cm) for leveling out larger uneven areas. PN 115-5646.

	FRONT & REAR QAS ATTACHMENTS
BUNKER PUMP	Throws water up to 40' (12 m) and can pump 95 gal/min (360 l/min). Adjustable throw direction and angle. Requires Rear Remote Hydraulics (08781) for rear QAS mount. Requires Front Lift Frame Assembly (08712), Rear Remote Hydraulics (08731) and Front Remote Hydraulics for front QAS mount (on SP5040 only). Model 08765.
BUNKER PUMP REMOTE DISCHARGE KIT	An available 50' (15 m) discharge hose allows the QAS Bunker Pump to be removed and dropped into hard to reach areas. PN 115-2084.
LIP BROOM	Eliminates the task of manually maintaining infield lips. Removes ridge buildup by sweeping material back into the infield. Mounts to front QAS (SP5040) and rear QAS (SP3040 & 5040). Requires Front Lift Frame Assembly - 08712 for front attachment (on SP5040 only). Lip Broom available from Rahn Industries at www.rahngroomer.com or 1-800-298-1707.
TURF PLOW	The 64" Turf Plow is a great tool for removing aeration cores from greens, clearing snow from walkways, cart paths and even sports fields. It is lightweight and features a rounded lower lip that is gentle on turf. The Turf Plow fits both Sand Pro 3040 and 5040. Turf Plow is available from Nordic Plow at nordicplow.com

	MID-MOUNT ATTACHMENTS
MID-MOUNT ASSEMBLY	Base mounting assembly for mid-mount toolbars with spring-loaded regulation to allow relief if obstruction is hit. Model 08731.
WEEDER TINE TOOLBAR	Ideal for removing weeds and grass from less maintained bunkers and fields (requires Mid-Mount Assembly - 08731). Model 08732.
LEVELING BLADE	Attaches to any mid-mount toolbar to quickly level out large areas. Foot operated latch allows operator to lower leveling blade independently from the other mid-mount toolbar. PN 108-8495.
SOLID TINE TOOLBAR	Used for general scarifying applications. Rotate teeth to maximize tine life (requires Mid-Mount Assembly - 08731). Model 08734.
CARBIDE TINE TOOLBAR	Use in the harshest conditions and for extended life -15 carbide tines included (requires Mid-Mount Assembly - 08731). Model 08735.
SPRING TINE TOOLBAR	Use for light to moderate scarifying and daily maintenance in bunkers and on premium fields (requires Mid-Mount Assembly - 08731). Model 08733.
EDGER	Maintains the grass edge of the outfield near the infield skin or warning track. Easily renovate ballfields by removing overgrown turf and infield lip build-up. Significantly reduces labor required for infield edging (requires Rear Remote Hydraulics - 08781). Model 08766.



Sand Pro® 3040 & 5040 Accessories*


	REAR QAS ATTACHMENTS
TOOTH RAKE	Designed to lightly scarify, pack, smooth and groom in one pass. Use in dry or wet conditions and can improve the condition of neglected sports fields. Model 08751.
WEIGHT KIT FOR TOOTH RAKE	Additional weight for the Tooth Rake attachment to improve performance in coarse or wet conditions. Set of 5 weights. PN 115-4333.
TOOTH RAKE BROOM	75" (190 cm) Brush – Attaches behind the Tooth Rake (08751) for a smoother finish. Model 08816.
PIVOTING TROWELS KIT	This kit allows independent outside trowels to pivot and rake across the entire turn which eliminates unraked teardrop – Attaches to Tooth Rake (08751). PN 119-7158.
SPRING RAKE	Leaf rake assembly designed to be used alone or in combination with the tooth rake (08751) to achieve desired appearance. Great for wet conditions and collecting debris in groomed areas (if used independently, requires QAS A-Frame Assembly, 108-9427). Model 08752.
DRAG MAT CARRIER SYSTEM	QAS-mounted carrier frame with hydraulic lifter allows operator to raise and lower drag mats without ever leaving the operator seat. 72" (183 cm) width. Model 08756.
COCO DRAG MAT	Quickly produces a premium finish on dry, level surfaces (requires Drag Mat Carrier System - 08756). Model 08758.
STEEL DRAG MAT	Designed to for more rugged surfaces to quickly groom and finish. Use on wet or dry sand surfaces (requires Drag Mat Carrier System - 08756). Model 08757.
NAIL DRAG	Pivots to follow the contours of uneven field surface. Use to scarify, loosen, or weed before smoothing. Easily adjust nail pattern and depth. Accepts up to a 400 common nail. Model (08761).
SEGMENTED GROOMING BROOM	Designed to minimize top surface disruption, to maximize firmness, and provide a smooth finished look in contoured bunkers. Model 08753.
REPLACEMENT SEGMENTED GROOMING BROOM	Replacement grooming broom with stiffer bristles. PN 110-8182.
WEIGHT KIT FOR SEGMENTED GROOMING BROOM	Additional weight for Segmented Grooming Broom to improve performance in coarse or wet conditions. Set of 4 weights. PN 112-0025.
GROOMING BRUSH	Designed to groom and level synthetic turf fields. Designed to brush in topdressing and stand-up turf on greens and tees – (requires Synthetic Turf Brush Kit, PN 119-7107 or Greens Brush Kit, PN 119-7108). Model 08794.
SYNTHETIC TURF BRUSH	For use with Turf Groomer, 08794. PN 119-7107.
GREENS BRUSH	For use with Turf Groomer, 08794. PN 119-7108.
SPRING TINE KIT	Use to help stand-up and decompact synthetic turf. For use with Turf Groomer, 08794. PN 119-7109.
MAGNET ATTACHMENT	Use to collect ferrous debris on synthetic field. For use with Turf Groomer, 08794. PN 119-2827.
SYNTHETIC TURF CONDITIONER	Stainless spring steel brushes loosen infill from compacted synthetic turf fields. Use to scarify, loosen, or weed infields. Use to groom beaches and rocky trails. Model 08790.
QAS FINISH GRADER	Use to level and/or scarify large areas. Includes box plow and scarifier with spring load regulation to allow relief if obstruction is hit. Model 08754.
RAHN GROOMER	The Rahn GL650 Infield Groomer levels uneven playing fields, helping to prevent ridge build up while creating a safer, more consistent infield. The triple row broom is perfect for finishing the playing surface and can be stored upright for easy transport. The 2-way leveling system provides both a lock and float position to match infield conditions. Rahn Groomer available from Rahn Industries at www.rahngroomer.com or 800-298-1707.
QAS SPIKER	Use for spiking greens and other formal turf to increase air flow for healthier turf. Model 08755.
QAS DEBRIS BLOWER	High powered blower designed to quickly clear debris from groomed and unwanted areas. Hydraulically-powered, 2000 rpm fan speed – 2700 cfm @ 81 mph (2700 cfm @ 130 kph). Requires Rear Remote Hydraulics - 08781. Model 08759.
BASIC DRAG MAT SYSTEM	Basic Drag Mat System, Model 112-1424 (requires 108-9427 & 110-1375)

	ACCESSORIES
QAS A-FRAME ASSEMBLY	Can attach Spring Rake 08752 to be used independently. PN 108-9427.
400-HOUR FILTER MAINTENANCE KIT	Includes 9 engine oil filters, 2 hydraulic oil filters and 2 air filters. Model 30035.
REAR REMOTE HYDRAULICS	Quick-connect design allows rear-powered attachments to be connected in under a minute. Model 08781.
FRONT REMOTE HYDRAULICS	Quick-connect design allows front-powered attachments to be connected in under a minute. Model 08782.
VARIABLE ORIFICE KIT	Slows hydraulic lift and lower for increased precision and accuracy when using hydraulically-powered attachments. PN 112-1433.
LIGHT KIT	Front and rear flood lights improve operator visibility during low natural light operation. PN 110-1314.
SPEED CONTROL KIT	Adjustable speed check trains operators to groom at the desired speed while allowing the traction unit to operate in transport speed between tasks without any adjustments or levers. PN 110-1371.
HITCH/TOW BAR	Converts the traction unit to a utility vehicle to transport materials or trailers. Attaches to QAS A-Frame or 108-9427 for quick removal. PN 110-1375.
FRONT WEIGHT KIT	50 lb (22.7kg) – allows the Spiker or Rahn® Groomer attachments without the Front Lift Frame Assembly attached to meet ANSI compliance. PN 100-6442.

	OPTIONAL TIRES
SMOOTH TIRE	Includes individual tire, wheel and stem valve assembly. Typically used on greens. PN 112-0034.
TURF TIRE	Turf tread tire. PN 94-6124.

Greensmaster® TriFlex® Series Greensmowers

	Greensmaster 3300 TRIFLEX, Model 04510	Greensmaster 3320 TRIFLEX HYBRID, Model 04530	Greensmaster 3400 TRIFLEX, Model 04520	Greensmaster 3420 TRIFLEX HYBRID, Model 04540
Engine & Maximum Rated Horsepower	Briggs & Stratton® Vanguard® 21 HP (13.4 kW), 2-cylinder, air cooled, gasoline engine, governed to 2920 high idle, 1650 rpm low idle. Displacement: 38.3 cu-in. (627 cc)		Kubota® D902, 23.5 HP (17.5 kW), 3-cylinder, liquid cooled, diesel engine, governed to 2880 high idle, 1560 rpm low idle. Displacement: 55.0 cu-in. (902 cc) Radiator: cooled with a 12-volt electric fan	
Fuel Capacity	6 gallons (22.7 liter) capacity			
Ground Speed	Forward Moving Speed: 0-5 mph (0-8 km/h); Maximum Transport Speed: 0-10 mph (16.1 km/h)			
Cutting Unit Drive	Single gear pump, mono valve block, series reel drive to 3 reel motors.	48V-5400 watt air-cooled brushless permanent magnet generator in parallel with 48V 9Ah battery set powers three 48V-1100 watt brushless permanent magnet reel motors.	Single gear pump, mono valve block, series reel drive to 3 reel motors.	48V-5400 watt air-cooled brushless permanent magnet generator in parallel with 48V 9Ah battery set powers three 48V-1100 watt brushless permanent magnet reel motors.
Steering	Power steering with no-tool quick adjust steering arm. Through shaft steering cylinder for steering accuracy.			
Tires/Wheels/Pressure	Three, 19 x 10.5 x 8, 4-ply rating pneumatic tubeless demountable tires. Tire pressure recommended: 12-16 psi front and rear.			
Brakes	Hand-actuated (Drum Brake)			
Overall Dimensions	Wheel Tread: 50.5" (128.3 cm) Wheel Base: 47" (119 cm) Length: 98" (249 cm) Width: 70.62" (179 cm) w/reels Height: 80.83" (205 cm)	Wheel Tread: 50.5" (128.3 cm) Wheel Base: 47" (119 cm) Length: 98" (249 cm) Width: 70.84" (180 cm) w/reels Height: 80.83" (205 cm)	Wheel Tread: 50.5" (128.3 cm) Wheel Base: 48.6" (123 cm) Length: 98" (249 cm) Width: 70.62" (179 cm) w/reels Height: 80.83" (205 cm)	Wheel Tread: 50.5" (128.3 cm) Wheel Base: 48.6" (123 cm) Length: 98" (249 cm) Width: 70.84" (180 cm) w/reels Height: 80.83" (205 cm)
Weight	1161 lbs. (527 kg)	1257 lbs. (570 kg)	1286 lbs. (586 kg)	1406 lbs. (638 kg)
Sound Level				
At Operator Ear	80 dBA	81 dBA	84 dBA	83 dBA
At Operator Ear In Energy Savings Mode	Energy savings mode not applicable	77 dBA	Energy savings mode not applicable	83 dBA
Bystander Noise at 50-feet (15.2 m)	NA	65 dBA	NA	65 dBA
Bystander Noise at 50-feet (15.2 m) In Energy Savings Mode	Energy savings mode not applicable	61 dBA	Energy savings mode not applicable	64 dBA
Cutting Specifications				
Width of Cut	59" (150 cm)			
Height of Cut (HOC) Range	Bench HOC Range is 0.062" - 0.297" (1.6-7.5 mm). With high HOC kit, range is 0.285"-1" (7.3-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.			
Reel Weldment	5" (13 cm) diameter, 21" (53.3 cm) in length. High carbon steel blades are welded to 5 stamped steel spiders and heat treated to RC48-54 hardness.			
Reel Blade Options	8-Blade, 11-Blade, & 14-Blade Cutting Unit Options			
Front & Rear Rollers	Front roller options include: front narrow Wiehle roller, front wide Wiehle roller, front full roller, solid steel roller, anti-bobbing roller, and more.			



For additional information and specifications, please visit our website at www.toro.com/triflex or see Greensmaster TriFlex & TriFlex Hybrid Sell Sheet (Part #11-052-T).
NA = Data not available at time of print. Energy savings mode is only available on the TriFlex Hybrid models, engine RPM at 2400 RPM.





Reelmaster[®] 3555-D/3575-D Specifications[®]

REELMASTER 3555-D, MODEL 03820 / REELMASTER 3575-D, MODEL 03821											
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel engine. 24.8 hp (18.5 kW) @ 3000 RPM. Engine governed to 3220 RPM high idle (± 50 RPM), 1400 RPM low idle (± 50 RPM). Displacement: 68.5 cu.in. (1123 cc). Peak torque: 57.2 lbs-ft @ 2200 RPM.										
LUBRICATION	Pressurized lubrication system with 3.5 quarts (3.3 liters) capacity.										
FUEL FILTER	10 micron spin-on filter with integral water separator.										
COOLING	Aluminum side-by-side oil cooler/radiator. 8.5 fins per inch, wavy fin, non-louvered. 5.25 quart (4.9 liter) capacity.										
FUEL TANK CAPACITY	7.5 gallons (28.3 liters), diesel fuel. Biodiesel-Ready for use up to 6-20 (20% biodiesel and 80% petroleum blend).										
TRACTION DRIVE	Series/Parallel hydraulic traction circuit provides continuous 3-wheel drive, in mow and transport. Hydrostatic traction drive provides infinitely variable speed in forward and reverse. 6 gallon (23 liter) hydraulic system capacity.										
GROUND SPEED	0-10 mph (0-16.1 km/hr) forward transport; 0-7mph (0-11.3 km/hr) mow; 0-3.5 mph (5.6 km/hr) reverse.										
TIRES	Three (3) 22x12-12, 4-ply, no tread tires. 12 PSI recommended pressure. (Optional turf tire)										
MAIN FRAME	Farmed steel, welded steel and steel tubing.										
BRAKES	Hydrostatic service brake. Hand-operated parking brake.										
STEERING	Power steering with tilt steering wheel.										
GAUGES	Hour meter, fuel gauge, diagnostic lamp, cluster gauge with glow plug and charge indicator lights, and low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).										
CONTROLS	Foot operated controls: Forward and reverse traction pedal, mow/transport speed limiter. Hand operated on control panel: Parking brake lever, ignition switch, engine throttle lever, work light switch, on/off switch for cutting units, joystick for cutting unit lift and lower. Other controls: Steering wheel tilt control, reel speed control, backlap engagement lever.										
ELECTRICAL & INTERLOCKS	Heavy-duty 12 V battery, 570 CCA; 40 amp alternator/regulator. Electronic control unit is microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal neutral, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.										
REEL DRIVE	Hydraulic, open loop through oil cooler & filter. High efficiency pressure balanced gear type motors and pumps.										
SEAT	Mechanical suspension standard.										
DIMENSIONS	<table><tr><td>3555-D:</td><td>Height: 79" (200 cm)</td><td>Length: 105" (266 cm)</td><td>Operational Width: 112" (284 cm)</td><td>Transport Width: 91" (231 cm)</td></tr><tr><td>3575-D:</td><td>Height: 81" (204 cm)</td><td>Length: 105" (266 cm)</td><td>Operational Width: 112" (284 cm)</td><td>Transport Width: 91" (231 cm)</td></tr></table>	3555-D:	Height: 79" (200 cm)	Length: 105" (266 cm)	Operational Width: 112" (284 cm)	Transport Width: 91" (231 cm)	3575-D:	Height: 81" (204 cm)	Length: 105" (266 cm)	Operational Width: 112" (284 cm)	Transport Width: 91" (231 cm)
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3575-D:	Height: 81" (204 cm)	Length: 105" (266 cm)	Operational Width: 112" (284 cm)	Transport Width: 91" (231 cm)							
WEIGHT	<table><tr><td>3555-D:</td><td>1,655 lbs. (751 kg) with no cutting units.</td><td>2,280 lbs. (1,034 kg) with (5) 5" reels, 22" width, 8-blade cutting units.</td></tr><tr><td>3575-D:</td><td>1,755 lbs. (796 kg) with no cutting units.</td><td>2,550 lbs. (1,156 kg) with (5) 7" reels, 22" width, 8-blade cutting units.</td></tr></table>	3555-D:	1,655 lbs. (751 kg) with no cutting units.	2,280 lbs. (1,034 kg) with (5) 5" reels, 22" width, 8-blade cutting units.	3575-D:	1,755 lbs. (796 kg) with no cutting units.	2,550 lbs. (1,156 kg) with (5) 7" reels, 22" width, 8-blade cutting units.				
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3575-D:	1,755 lbs. (796 kg) with no cutting units.	2,550 lbs. (1,156 kg) with (5) 7" reels, 22" width, 8-blade cutting units.									
SAFETY	ROPS Standard. Capable of traversing a 25° slope in any direction on dry grass, while mowing.										
CERTIFICATION	Complies with ANSI B71.4-2012 and CE requirements. EN ISO 5395.										
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.										



Reelmaster® 3555-D/3575-D Accessories

22" CUTTING UNIT: 8-BLADE & 11-BLADE	
TYPE	Five hydraulically driven, balanced, DPA cutting units. Frame precision manufactured, die-cast aluminum for increased strength, simple click adjustment maintenance.
SIZE	22" (56 cm) wide, 5" (12.7 cm) or 7" (17.8 cm) diameter.
WIDTH OF CUT	100" (2.54 m)
HOC RANGE	8-Blade recommended range 0.25" – 1.0" (6 mm–25 mm). 11-Blade (18") recommended range 0.25" – 0.75" (6 mm – 19 mm). High HOC Kit available as an option to increase height of cut range from: 5" Reel: 1.0" – 1.5" (25 mm – 38mm), 7" Reel: 1.0" – 2.0" (25 mm – 51mm)
REEL SPEED	5" reel 2350 (+/- 150) rpm max reel speed, 7" reel 1600 rpm max reel speed, at highest setting. 200 rpm max at low idle and lowest setting for backlapping.
BEDKNIFE ADJUSTMENT	Precision machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife to reel adjustment.
ROLLERS	Wiehle front roller and standard rear roller included. Optional front full and shoulder rollers, and short and long rear rollers available.
GRASS BASKETS	Optional baskets.

RM3555 – 5" (12.7 CM) CUTTING UNIT OPTIONS	
03487	22" (56 cm) 8-Blade DPA, RR Cutting Unit
03488	22" (56 cm) 11-Blade DPA, FSR Cutting Unit
03484	End weight (for cutting units without attachments)

RM3575 – 7" (17.8 CM) CUTTING UNIT OPTIONS	
03638	22" (56 cm) 8-Blade DPA, RR Cutting Unit
03639	22" (56 cm) 8-Blade DPA, FSR Cutting Unit
03641	22" (56 cm) 11-Blade DPA, FSR Cutting Unit
03405	End weight (for cutting units without attachments)

22" (56 CM) DPA CUTTING UNIT ACCESSORIES	
03415	Flex Grass Basket Kit (front)
03416	Flex Compact Grass Basket Kit (rear) (127-8562-03 Reduced Width Step Kit required.)
131-6845	Groomer Rod Kit - Flex Baskets
107-3280	Rear Roller Scraper Kit
107-2993-03	Wiehle Roller Scraper
110-1735	Comb/Scraper Kit
114-5412	Full Front Roller
110-9602-03	Full Front Roller Scraper
114-5404	Long Rear Roller Asm
114-5421	Shoulder Roller Asm
110-9609-03	Shoulder Roller Scraper
110-9600	High HOC Kit

TRACTION UNIT ACCESSORIES	
121-7924	Tire – Turf Tread
110-8804	Cool Top Fan (U.S. Only)
03614	Golf Ball Guard
115-4754	myTurf® Wireless Hour Meter Assembly

BEDKNIFE OPTIONS	
108-9095	EdgeMax™
125-2771	EdgeMax Low Cut
108-9096	Standard
110-4084	Standard Low Cut
119-4280	EdgeMax Extended Low Cut
120-1640	Standard Extended Low Cut
110-4074	HD Bedknife

RM3555 – 5" (12.7 CM) CUTTING UNIT GROOMER AND REAR ROTATING BRUSH OPTIONS	
03763	Universal Groomer
03765	22" (56 cm) Groomer Cartridge
03767	Groomer Brush Cartridge
03417	Universal Only Weight Kit
03658	5" (12.7 cm) Universal RRB Kit
03406	Rear Roller Brush ONLY Kit
03412	5" (12.7 cm) End Weight Kit
132-7125	Broomer Kit (for groomers)

RM3575 – 7" (17.8 CM) CUTTING UNIT GROOMER AND REAR ROTATING BRUSH OPTIONS	
03768	Universal Groomer
03765	22" (56 cm) Groomer Cartridge
03767	Groomer Brush Cartridge
03418	Universal Only Weight Kit
03659	7" (17.8 cm) Universal RRB Kit
03419	Universal w/RRB weight kit
03408	Rear Roller Brush ONLY Kit
132-7125	Broomer Kit (for groomers)

WORKMAN® HD SERIES				
MODEL	HDX AUTO	HDX, HDX-4WD	HDX-D, HDX-D-4WD	HD
ENGINE:	Kohler® L4775 EFI	Kubota® 972 EFI	Kubota 902D	Kohler CH23
RATING:	28 hp (20.9 kW)	32.5 hp (24.2 kW)	23 hp (17.2 kW)	23 hp (17.2 kW)
DISPLACEMENT:	747 cc	962 cc	902 cc	674 cc
FUEL:	Gasoline	Gasoline	Diesel	Gasoline
COOLING:	Liquid	Liquid	Liquid	Air
MAXIMUM SPEED:	20 mph (32 km/h)	20 mph (32 km/h)	20 mph (32 km/h)	20 mph (32 km/h)
TOTAL CAPACITY:	HDX Auto 2WD: 3,295 lbs. (1,498 kg) HDX Auto 4WD: 3,265 lbs. (1,484 kg)	HDX: 3,249 lbs. (1,473 kg) HDX-4WD: 3,190 lbs. (1,447 kg)	HDX-D: 3,244 lbs. (1,472 kg) HDX-D-4WD: 3,185 lbs. (1,445 kg)	3,351 lbs. (1,520 kg)
CARGO BED CAPACITY: <small>(WITH TWO 200 LB. PASSENGERS)</small>	HDX Auto 2WD: 2,895 lbs. (1,316 kg) HDX Auto 4WD: 2,865 lbs. (1,303 kg)	HDX: 2,849 lbs. (1,292 kg) HDX-4WD: 2,790 lbs. (1,266 kg)	HDX: 2,844 lbs. (1,290 kg) HDX-D-4WD: 2,785 lbs. (1,263 kg)	2,951 lbs. (1,338 kg)
TOW HITCH:	600 lbs. (272 kg) tongue weight 3,500 lbs. (1,587 kg) trailer weight	600 lbs. (272 kg) tongue weight 3,500 lbs. (1,587 kg) trailer weight	600 lbs. (272 kg) tongue weight 3,500 lbs. (1,587 kg) trailer weight	600 lbs. (272 kg) tongue weight 3,500 lbs. (1,587 kg) trailer weight
BED DIMENSIONS:	Length: 127.6 in. (324 cm) without bed; 130 in. (330 cm) with bed Width: 64.7 in. (164.3 cm) Height: 75.8 in. (192.5 cm) to top of ROPS			
4WD MODELS:	Fully automatic on-demand, bi-directional system. Uses dual bi-directional clutches. In event of rear tire slippage, clutches transmit power proportionally to front wheel with highest traction.			
CERTIFICATIONS:	Certified to meet SAE J2258. Certified to meet ISO/DIS 21299 for ROPS. Engine meets all applicable emissions standards per the manufacturer. Certified to meet the CE Machinery Directive.			
WARRANTY:	Two-year limited warranty. See Operator's Manual for further details.			

For complete specifications, visit Toro.com/WorkmanHD. Specifications subject to change.

TORO.**Versa-Vac™**

The Toro® Versa-Vac tackles debris management challenges to meet your collection needs.




VERSA-VAC, MODEL 07053*	
POWER SUPPLY	Power source: 35 PTO hp and larger turf tractor with 540 PTO output shaft, double CV drive line, drive ratio to impeller: 486 : 1, drive ratio to pump input shaft from impeller shaft: .389 : 1.
FAN IMPELLER	32" (81.3 cm) diameter impeller, 8 blades reinforced .25" (6.4 mm) steel, 9.375" (23.8 cm) wide (radial design) welded to a 27" (68.3 cm) diameter base plate.
DRIVE	Belt drive from input shaft to impeller shaft (4-SVX), belt drive from impeller shaft to pump input shaft (2-SVX).
MAIN FRAME	One piece welded frame of .25" (6.4 cm), 7 and 10-gauge formed steel.
WHEELS AND TIRES	Turf tire, size 24 x 13.00-nhs 4-ply. Stamped and welded steel wheels rated up to 1,800 lbs. (817 kg).
HOPPER	Volume 6.5 cubic yard, self-cleaning tapered box, dump hopper is operated hydraulically by one control, with self opening and closing door, dump hopper hydraulically lifted with a 3 x 18 hydraulic cylinder, vented roof sections with dust hoods to direct dust away from operator.
DIMENSIONS	Width: 78" (198 cm), Height: 83" (211 cm), Length: 15'5" (4.7 m), Weight: 2,300 lbs. (1,044 kg)
OPTION	20' (6.1 m) handheld hose.
WARRANTY	Two-year limited.
COMBINATION DECK, MODEL 07082	
FLAIL ROTOR	72 hardened, straight steel flails with adjustable spacing.
FINGER ROTOR	Four rows of 6" (15 cm) long fingers with 22 fingers per row.
OPERATING WIDTH	72" (183 cm)
CASTER WHEELS	4-adjustable pneumatic caster wheels with full width anti-scalp roller, adjustable in .5" (12.7 mm) increments.
WEIGHT	700 lbs. (318 kg)
RUBBER FINGER DECK, MODEL 07081	
ROTOR	Four rows of 6" (15 cm) long fingers with 22 finger per row.
OPERATING WIDTH	72" (183 cm)
CASTER WHEELS	4-adjustable pneumatic caster wheels, adjustable in .5" (12.7 mm) increments.
WEIGHT	280 lbs. (127 kg)

	GROUNDMASTER 4000-D, TIER 4 DIESEL, MODEL 30609 GROUNDMASTER 4010-D, TIER 4 DIESEL, MODEL 30636, Model 30607				
ENGINE	Yanmar® 4-cylinder, liquid-cooled, turbo-charged diesel. 127 cu. in. (2.1 liter) displacement. Engine rated at 55 hp (41 kW) net and 125 ft.-lbs. (169 Nm) torque at 2,000 rpm. 8 quart (7.6 liter) oil capacity. EPA Tier IV Final Compliant				
AIR CLEANER	Dry, replaceable primary and safety elements.				
RADIATOR	Rear-mount, cross-flow, 7-row, 6.3 fins per inch, 9 quart (8.5 liter) capacity.				
FUEL CAPACITY	21 gallons (79.5 liters) diesel fuel. Biodiesel-Ready for use up to B-20(20% biodiesel and 80% petroleum blend)				
TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD. Forward/reverse in low (mow) and high (transport) range with full-time, automatic traction assist (forward only) standard on Groundsmaster 4000-D models. Variable displacement piston pump with electronic servo control powers dual speed displacement piston motor drive into double reduction planetary in front, and mechanical axle in rear. SmartPower® feature controls traction speed to maintain optimal cutting blade speed.				
HYDRAULICS/COOLING	8.75 gallon (33.1 liter) capacity with 10 micron remote spin-on filter. 9 row, single pass cooler, 6.3 fins per inch, that tilts out for cleaning. Variable speed radiator cooling fan with automatic (based on coolant and oil temps) and manual reversing capabilities.				
DIAGNOSTICS	Diagnostic pressure test ports: forward and reverse traction, left, center and right decks, reverse 4WD, lift, steering, charge and deck counterbalance circuits.				
GROUND SPEED	Transport: 0-16.2 mph (0-26.1 km/h) forward, 0-8.1 mph (0-13 km/h) reverse. Mow: 0-8.3 mph (0-13.4 km/h) forward, 0-4 mph (0-6.4 km/h) reverse.				
TIRES	Front: 26 x 12-12, 6-ply tubeless Multi-Trac. Rear: 20 x 10-10, 6-ply tubeless Multi-Trac.				
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.				
BRAKES	Mechanically actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right wheel. Lock pedals together and latch to engage parking brake.				
SEAT	4-way adjustable, right armrest travels with seat and suspension.				
STEERING	Power steering with dedicated power source. Steering wheel tilts to desired operator position. Uncut circle: 0" diameter.				
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temp, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage				
CONTROLS	Tilt: steering, ignition switch, throttle switch, foot-operated traction pedal, lockable individual brake pedals, parking brake lock, mow/transport speed selector switch, 3-two position switches for individual deck lift/lower, counterbalance adjustment, tow valves, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.				
ELECTRICAL	12-volt, 690 cold cranking amps battery, 80 amp alternator (4010-D). Overload protection with automotive type fuses.				
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat while moving or deck is engaged, traction and / or deck stops, info center alarms and gives message. Mowing only permitted in low range. Traction not allowed if parking brake engaged and pedal moved out of neutral, info center alarms and gives message. Deck transport latches.				
GROUND CLEARANCE	6.5" (16.5 cm)				
OVERALL DIMENSIONS	Height 85" (216 cm) w/ROPS up 93.9" (237 cm) w/ cab	Length 135" (343 cm) w/decks down	Width 136" (346 cm) w/decks down	Transport Width 71" (180 cm) @ 2" (5 cm) HDC	Wheelbase 55.5" (140 cm)
WEIGHT	4295 lbs. (1907 kg) w/ full fluids (GM4000). 4759 lbs. (2159 kg) w/ full fluids (GM4010).				
SAFETY CAB (4010)	MODEL 30636: ROPS certified cab with heat, AC and the following standard features: climate system pressurized cab, heavy-duty pantograph front windshield wiper and washer, front windshield has 38" of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, right and left doors and rear window have tinted (50%) glass, front and rear windows open, quick release window latches act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light. MODEL 30607: Factory installed, ROPS certified, climate controls (AC & heating), opening rear window, front wiper/washer, interior mirror, exterior side mirrors.				
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable ISO EN 5395 (CE) (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements; Optional lights. Meets ANSI/SAE 5279.1? (Lighting and Marking of Agricultural Equipment on Highways). Foldable ROPS, ISO 21299 certified.				
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.				
ACCESSORIES	Work light, Road lights consisting of dual taillights, dual headlights, slow moving vehicle sign, turn signal, flasher and lights; Sunshade Beacon				
CUTTING DECKS					
WIDTH OF CUT	Overall: 132" (335 cm), Front: 62" (157.5 cm), Wings: 42" (106.7 cm), Overlap: 7" (12.8 cm).				
MOWING RATE	Mows up to 11.0 acres/h (4.5 hectares/h) at 8.5 mph (13.4 km/h) (assumes no overlap or stops).				
CONSTRUCTION	Welded .100" (25 mm) steel with 7 and 10-gauge steel channel and plate reinforcements, bullnose bumpers.				
DECK DRIVE	Direct mounted hydraulic motor into spindle. Remaining spindle(s) driven by individual B section kevlar belt. Quick release belt covers.				
HEIGHT-OF-CUT	1"-5" (25-127 mm) in .5" (13 mm) increments.				
SPINDLES	1.25" (3.17 cm) diameter spindle shafts, 9" (22.9 cm) diameter conical ductile iron housing, and 2 greaseable tapered roller bearings.				
BLADES	2175" (55.2 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick.				
CASTER WHEELS	8 x 3.50-4, 4-ply, smooth, pneumatic, sealed precision ball bearings.				
GROUND FOLLOWING	6" anti-scalp cups on each blade, adjustable skids on each deck, 4 anti-scalp rollers on front deck and 1 on each wing.				
WING PROTECTION	Bi-directional, impact absorption device on each wing deck.				
RECYCLER KIT	Model 30420 will convert decks into Guardian® Recycler® decks.				
MULCHING KIT	Model 30422.				
SKIDS	Reversible polymetric.				

Pro Force™ Debris Blower		Pro Force Debris Blower - Groundsmaster 360
Engine Model	Kohler® Command Pro™	N/A
Fuel	Gasoline	N/A
Fuel Tank Capacity	5 gallons	N/A
Engine Type	2-cylinder, air-cooled, electronically-governed	N/A
Horsepower	24.6 hp	35 hp from Groundsmaster 360 PTO
Displacement	44.0 cu. in. (725cc)	N/A
Nozzle	Single-piece impact-resistant plastic with 13" outlet diameter	Single-piece impact-resistant plastic with 13" outlet diameter
Fan Design	Axial flow	Axial flow
Rotor Diameter	14"	14"
Fan Assembly Diameter	14"	14"
Wireless RF Controller	Engine start, engine stop, adjust engine throttle from low to high RPM range, 360 degree nozzle directional control	245° Left/right nozzle control - hydraulic control
Air Flow	In 3rd party independent testing per the ANSI/AMCA 210-07 standard for Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating, the Pro Force test results demonstrated greater air flow volume, than any other single nozzle turbine-type debris blower.	
Weight	475 lbs.	375 lbs.
Length	Standard 97" from adjustable tow hitch to nozzle outlet. 18" adjustable length for length range of 79" – 115".	33"
Width	48"	42"
Height	Standard 33". 6' adjustable height for height range of 27" to 39"	57"
Pull-behind Trailer	Lawn-tractor style hitch (Category 1)	N/A
Tire Size	20 X 10-8, 4-ply turf tire	N/A
D.O.T. Version	D.O.T. tires, brake lights, tail lights, license plate holder, V.I.N., 2" ball hitch receiver, side reflectors, torsion axle	N/A
Fenders	Custom injection molded plastic	N/A
Warranty	Two-year or 1,500 hour limited warranty*	Two-year or 1,500 hour limited warranty*

For additional information and specifications, please visit our website at www.toro.com

*Refer to the Owners Manual for further details.





Greensmaster® 3150-Q Specifications

	GREENSMaster 3150-Q, MODEL 04358
ENGINE	18 hp (13.4 kW) @3600 rpm, Briggs & Stratton® gasoline engine, governed to 2850 rpm high idle, 1650 rpm low idle. Air-cooled.
FUEL CAPACITY	7 gallon (26.5 liter) capacity; unleaded gasoline.
TRACTION DRIVE	Hydraulic piston pump, closed loop system. 2WD Parallel Hydrostatic or 3WD Series Parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.
GROUND SPEED	Forward-mowing speed is variable from 2-5 mph (3.2-8 km/h), adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster 3150-Q transport speed is 8.8 mph (14.4 km/h), may be reduced by adjusting stop in footrest pan without affecting mow speeds. Reverse is 2.5 mph (4.0 km/h) maximum.
TURF COMPACTION	8-10 psi (dependent on tire pressure) with operator and cutting units down.
IMPLEMENT DRIVE	Single gear pump, mono valve block, series reel drive to 3 motors.
STEERING	Power steering. Adjustable steering wheel tilt and a 5-position steering arm tilt.
CONTROLS/GAUGES	Raise/lower-mow lever (joystick). Functional control lever (neutral, mow, transport). Foot operated traction drive and brakes. Hour meter. Hand operated throttle and choke. Mechanical engine speed control.
ELECTRICAL FEATURES	12-volt lead acid, group size U1, with 300 minimum cold cranking amps at 0° F and 34 minutes reserve capacity at 85° F/25 amps draw. 16 amp alternator. Ignition switch/key. Seat switch. Harness terminals and fuse slot available for optional lights installation.
TIRES/WHEELS/PRESSURE	Three tires: Three 18 x 10.5-8, 4-ply pneumatic tubeless demountable and interchangeable with smooth tread. 8-12 psi front; 8-15 psi rear Optional Traction Tire (4-ply): P/N 119-3516.
BRAKES	Two 6" (15.2 cm) drum type
HYDRAULIC OIL	7.5 gallon (28.4 liter) tank with internal baffle. 1.0 gallon (3.8 liter) auxiliary tank.
LEAK DETECTION	Equipped with Turf Guardian™ leak detection system.
SOUND LEVEL	82 dB(A) at operator's ear under normal conditions.
OVERALL DIMENSIONS	Wheel Tread: 49.5" (149.9 cm), Wheel Base: 47" (119 cm), Length: 90" (229 cm), Width: 69.7" (177 cm) w/reels, Height: 74.5" (189 cm), Weight: 1,087 lbs. (493 kg).
WIDTH OF CUT	59" (150 cm)
REEL SPEED	Approximately 1975 RPM at 2850 engine RPM. Adjustable.
BACKLAPPING	Standard equipment.
CUTTING UNIT SUSPENSION	Cutting units are completely free-floating, each attaching to the tractor by direct pull links and lifted by a centered lift arm. Baskets are supported by carrier frames that are ground following. Cutting unit floatation is unaffected by basket content. Grass baskets are all interchangeable and accessible from the front of the machine.
ROPS	Roll Over Protection System standard.
CERTIFICATION	Certified to meet ANSI specification B71.4-2012 and European CE standards with appropriate kits installed.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

	8 BLADE DPA CUTTING UNITS, 04652 11-BLADE DPA CUTTING UNITS, 04654 14-BLADE CUTTING UNITS, 04656
TRACTOR	These cutting units will mount on any Toro riding Greensmaster (excluding Greensmaster TriFlex® 33xx/34xx series).
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. High carbon steel blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief ground.
REEL BEARINGS	Two stainless steel ball bearings, 30 +/- .1 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.
AGGRESSIVENESS	Aggressiveness stays constant throughout the life of the reel. Patented design.
BEDKNIFE	Replaceable single edged EdgeMax® Microcut Bedknife is standard.
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents corresponding to .0017" (.018 mm) bedknife movement for each position.
FRONT & REAR ROLLERS	Front: Not included with cutting unit, purchased separately. Option between full, narrow-spaced and wide-spaced Wiehle roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.
TOTAL WEIGHT	8-blade: 72 lbs. (32.7 kg) with aluminum Wiehle Roller. 11-blade: 75 lbs. (34 kg) with aluminum Narrow Wiehle Roller. 14-blade: 78 lbs. (35 kg) with aluminum Wiehle Roller



Greensmaster® 3150-Q Accessories

GREENSMaster 3150-Q ACCESSORIES

TRACTION UNIT ACCESSORIES	
04476	3-Wheel Drive Kit
04479	Thatching Reel (Set of 1)
04494	Greens Spiker Kit
04495	Greens Tri-Roller Kit
30707	Armrest Kit
119-3516	Traction Tires
04554	Light Kit
130-6536	Hydraulic Oil Cooler Kit
108-6472	Traction Speed Control Kit
104-6540	Spark Arrestor Screen
115-4510	Bimini Folding Shade
100-6442	2WD Weight Kit
99-1645	3WD Weight Kit
115-4754	Wireless Hour Meter

ROLLER OPTIONS	
04626	Front Narrow Wiehle Roller (set of 3)
04627	Front Wide Wiehle Roller (set of 3)
04625	Front Full Roller (set of 3)
04628	Solid Steel Roller Kit (front Wiehle & rear steel rollers)
04629	Anti-Bobbing Roller
71-1550	Cast Iron Rear Wiehle Roller
107-3514	Steel Wide Wiehle Roller
121-4675	Extended Wiehle Roller
04258	Extended Narrow Wiehle Roller
04267	Narrow Wiehle Roller (for paspalum)
107-3510	Steel Narrow Wiehle Roller
120-9595	Steel Rear Roller (standard)
125-5180	DPA Rear Roller Extension Kit
120-9600	High Height of Cut Kit
04249	Split Full Front Roller
04250	Split Narrow Wiehle Roller

CUTTING UNIT & REEL OPTIONS	
04652	8-Blade Cutting Unit
04654	11-Blade Cutting Unit
04656	14-Blade Cutting Unit
119-4103	8-Blade Reel (Individual)
121-6651	8-Blade Reel, Heavy-Duty (Individual)
119-4104	11-Blade Reel (Individual)
127-2202	14-Blade Reel (Individual)

GROOMER OPTIONS	
04709	Groomer Drive (LH) (Set of 1)
04712	Groomer Reel, Spring Steel (Set of 1)
04274	Grooming Brush - Soft
04275	Grooming Brush - Stiff
106-2643	Groomer Pull Link Kit
04744	Grooming Reel - Thin Blade (Set of 1)

SCRAPER OPTIONS	
125-5303	Front Narrow Wiehle Roller Scraper
125-5304	Front Wide Wiehle Roller Scraper
125-5305	Front Full Roller Scraper
115-7377	Front Narrow Wiehle Roller Scraper Brush
115-7378	Front Wide Wiehle Roller Scraper Brush
115-7379	Front Full Roller Scraper Brush
115-7380	Front Narrow Wiehle Roller Scraper Comb
115-7381	Front Wide Wiehle Roller Scraper Comb
115-7382	Front Full Roller Scraper Comb
115-7383	Rear Roller Scraper
121-2260	Adjustable Rear Roller Scraper
04646	Spring Loaded Rear Roller Scraper (Set of 3)
107-9561	Anti-Bobbing Roller Scraper Kit
04726	Rotating Rear Roller Brush (LH) (Set of 1)

BEDKNIFE & BEDBAR OPTIONS	
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-4392	High Cut Bedknife
63-8600	Fairway Bedknife
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1880	EdgeMax® Microcut Bedknife (Standard)
115-1881	EdgeMax® Tournament Bedknife
112-7475	EdgeMax® Fairway Bedknife
106-2648-01	Bedbar (Standard)
99-3794-03	Aggressive Bedbar

THATCHING REEL ACCESSORIES	
117-6824	Thin dynaBLADE, (1.2mm Thickness) (Individual)
119-1128	Regular dynaBLADE, (2mm Thickness) (Individual)
117-6839	Replacement Kit, 1.2mm dynaBLADE (36 Blades)
117-6840	Replacement Kit, 2mm dynaBLADE (36 Blades)
121-6675	Spring Steel Kit
121-6674	Blade, Spring Steel
121-9525	Thatching Reel Quick Change Kit

BIO-HYDRAULIC FLUID / HYDRAULIC FLUID / OIL	
119-2157	Bio-Hydraulic Fluid, 5 gal. (18.9 L)
119-2158	Bio-Hydraulic Fluid, 55 gal. (208.2 L)
108-1178	Premium Hydraulic Fluid, 5 gal. (18.9 L)
108-1177	Premium Hydraulic Fluid, 55 gal. (208.2 L)
108-1197	Premium Engine Oil SAE 30, 5 gal. (18.9 L)
108-1196	Premium Engine Oil SAE 30, 55 gal. (208.2 L)

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