

TORO

Groundsmaster® 3280-D

Small Area Rotary Power

POWERFUL TO PERFORM.

The Groundsmaster 3280-D is everything an all-purpose mower should be. The 3280-D packs a 24.8 hp (18.5 kW) Kubota® diesel engine that tackles the toughest jobs with power to spare. The proven PTO drive system delivers power to the cutting deck and optional attachments smoothly and efficiently for long life. Available 4WD plus an innovative counter balance system provides secure footing on any terrain.



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4
TIER

F E A T U R E S

Groundsmaster® 3280-D

- Kubota® 24.9 hp (18.5 kW) Diesel Engine.
- 2 and 4-wheel drive models available.
- Guardian® Recycler®, side or rear discharge cutting decks.
- Width of cut options - 52" (132 cm) to 72" (183 cm).
- Safety Cab (heat only: optional).



High-Lift Collection System (optional)

GROUNDMASTER 3280-D, 2WD - MODEL 30344
GROUNDMASTER 3280-D, 4WD - MODEL 30345

ENGINE	Kubota® 3-cylinder, liquid-cooled diesel. Power: 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. Torque peak: 71.5 lbs-ft (52.7 Nm) @ 2200 rpm. Displacement: 1123 cc. High idle: 3200 rpm no load (uninstalled) 3100-3200 installed. Remote-mounted 5" (12.7 cm) Donaldson® air cleaner. Fuel filter/water separator. EPA Tier IV Final Compliant.
FUEL CAPACITY	11.3 gallon (42.8 liter), diesel fuel. 2008 and newer models biodiesel ready for use up to B-20 (20% biodiesel and 80% petroleum blend).
GAUGES & PROTECTION SYSTEMS	Hour meter, fuel gauge, four light warning cluster gauge: oil pressure, water temperature, amps and glow plug. High water temperature shut-down. Hood lock, foldable ROPS.
RADIATOR	Mid-mounted industrial radiator construction, 8.5 fins per inch. Approx. 7 quart (6.6 liter) capacity. Remote mounted 1 quart (.95 liter) expansion tank.
TRACTION DRIVE	Hydrostatic U-type transmission with single pedal control of forward/reverse ground speed. 25 micron replaceable filter. Axle serves as reservoir for hydrostatic transmission; also serves the power steering and lift valve. Approx. lubrication capacity: 6 quarts (5.7 liters). 4WD: Rear axle is mechanically driven from front axle by a universal shaft. An on-demand, bi-directional overrunning clutch prevents rear tire scuffing in turns and maintains turning radius, same as in 2-wheel drive mode. Approx. 3.1 quart (2.9 liter) gear lubricant capacity.

SPECIFICATIONS COMMON TO GROUNDMASTER 3280-D & 3320 SERIES

GROUND SPEED	0-10 mph (0-16.1 km/h), infinitely variable.						
MAIN FRAME	All welded formed steel.						
TIRES/WHEELS/PRESSURE	Two front traction drive tires-23 x 9.5-12 with demountable rims. Two rear steering tires: 2WD: 16 x 6.5-8; 4WD: 18 x 6.5-8. All tires are tubeless and 4-ply rated. Recommended tire pressure: 20 psi (138 kPa). Optional wide tire with rim, 23 x 10.5-12, Part No. 119-2864, 4-ply, or 69-9880, 6-ply.						
BRAKES	Individual 7" x 1.75" (17.8 cm x 4.4 cm) drum-type wheel brakes and parking brakes on front traction wheels. Dynamic braking through traction drive.						
SEAT & SUSPENSION	Deluxe seat with adjustable fore/aft travel, Model 30398. Requires air ride, Model 30313, or mechanical seat suspensions, Model 30312. Adjustable for height and weight. Available armrests model 30707; required. Part No. 108-9687 Armrest Adapter Kit. 12 volt Power Port/Electrical Accessory Kit. Model 30382, required for use of air ride seat suspension.						
STEERING	Hydraulic power steering. 14" (36 cm) tilt steering wheel, released and locked by a single lever control.						
OPERATOR AREA	Multi-tiered beverage holder, storage box, retractable seatbelt, and available 12 volt power port Model 30382.						
IMPLEMENT DRIVE	1" (2.5 cm) diameter PTO shaft clutched by a torque-teamed "HA" section V-belt. PTO engaged by electric clutch/brake. Connection to implement is with a universal joint and telescoping shaft assembly.						
IMPLEMENT LIFT	Twin 2.75" (7 cm) hydraulic cylinders operate lift arms. Hydraulic counter balance for greater stability and traction.						
CONTROLS	Foot-operated traction and brake pedals. Hand-operated throttle, PTO switch, brake lock, implement lift switch, ignition switch and glow plugs.						
ELECTRICAL FEATURES	12 volt maintenance free battery with 530 cold cranking amps at 0° F (-18° C), 80 minute reserve capacity at 80° F (27° C). 40 amp alternator with I.C. regulator/rectifier. Two amp standard control module log circuit. Seat switch, PTO, traction and parking brake interlock switches. Easy access to fuse panel. Available 12 volt Power Port/Electrical Accessory Kit, Model 30382.						
DIMENSIONS & WEIGHT		Width	Length	Height with ROPS Down	Height with ROPS Up	Dry Weight	Wheelbase
	GM3280-D 2WD	47" (119 cm) ^[1]	83.5" (212 cm)	56" (142 cm)	77" (195 cm)	1,340 lbs (608 kg)	46" (117 cm)
	GM3280-D 4WD	47" (119 cm) ^[2]	85" (216 cm)	56" (142 cm)	77" (195 cm)	1,520 lbs (690 kg)	47.5" (121 cm)
CLEARANCE	Front ground clearance: 6" (15.2 cm), 4WD: rear ground clearance of 4.25" (10.8 cm).						
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.						
CERTIFICATION	Certified to meet the American National Standard Institute's (ANSI) specifications, B71.4-2004 and applicable Federal and State regulations based thereon.						

*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 use, design, required attachments and safety features. See distributor for details on all warranties.

[1] Measured from outside of front tires.

[2] Measured from outside of rear tires.



FULL FLOTATION CUTTING UNITS

	72" (183 CM) SIDE DISCHARGE MODEL 31336	72" (183 CM) BASE DECK CONFIGURATION MODEL 30404, WITH 72" (183 CM) REAR DISCHARGE COMPLETION KIT (30303)	72" (183 CM) GUARDIAN® RECYCLER® (31335)
TYPE	72" (183 cm) width of cut, three blade, front mounted rotary. Adjustable front baffle. Side discharge.	72" (183 cm) width of cut, three blade, baffle, front mounted rotary. Rear discharge.	72" (183 cm) width of cut, three blade, front mounted rotary. Recycling with vertical discharge.
TRIMABILITY	Offset 7.1" (18 cm) to the left; 37.9 (96 cm) uncut circle left. Deck overhang: 19.7" (50 cm) from outside of wheel to left trim side. Uncut circle with use of wheel brakes: 0" (0 cm).	Deck offset to the left from centerline: 5.50" (14 cm). Deck trim width from outside of standard traction tire to trim side - left: 17.4" (44 cm). Uncut circle with use of wheel brakes: 0" (0 cm).	Deck offset to left from centerline: 7" (18 cm). Deck trim width from outside of standard tire to trim side - left: 17.4" (44 cm). Uncut circle with use of wheel brakes: 0" (0 cm).
CONSTRUCTION	Welded 7-gauge steel, 5.5" (14 cm) deep, 5/16" (.8 cm) rubber discharge chute (30368 model only).		
HEIGHT OF CUT	1.0-5" (2.5-12.7 cm) adjustable front and rear in .5" (1.27 cm) increments with spacers on the front caster shafts.		
MOWING RATE^[1]	Mows up to 3.6 acres/h (1.46 hectares/h) at 5 mph (8 km/h).		
SPINDLE ASSEMBLY	Ductile cast iron 9" (23 cm) diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 1.25" (3.2 cm) diameter, solid cold finished steel, and splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.		
CUTTER DRIVE	Isolation mounted, splined PTO-driven gearbox transfers power to three separate spindles via two separate "B" section belts.		
BLADES	Three 24.5" (62 cm) long, .25" (.6 cm) thick, 2.5" (6 cm) wide heat-treated steel blades.	Three 25.18" (64 cm) long, .25" (.6 cm) thick, 2.5" (6 cm) wide heat-treated steel blades.	Three 25.18" (64 cm) long, .25" (.6 cm) thick, 2.5" (6 cm) wide heat-treated steel blades.
OPTIONAL BLADES	High Flow and Atomic.		
SUSPENSION	Independent, 2.5" (6.4 cm) square tubing, lift/push arms each attached to separate castor arms.		
CASTER WHEELS	Two rear 6" (15.2 cm) diameter castor tires. Two front 8.0 x 3.5 pneumatic tires (foam-filled optional) with tubes and maintenance-free bearings. Tensioning caps, made from impact-modified thermoplastic alloy, are used to hold the castor wheels on the castor arms.	Two front 8.0 x 3.5 pneumatic tires (foam-filled optional) with tubes and maintenance-free bearings. Tensioning caps, made from impact-modified thermoplastic alloy, are used to hold the castor wheels on the castor arms.	Two rear 6" (15.2 cm) diameter castor tires. Two front 8.0 x 3.5 pneumatic tires (foam-filled optional) with tubes and maintenance-free bearings. Tensioning caps, made from impact-modified thermoplastic alloy, are used to hold the castor wheels on the castor arms.
ANTI-SCALP FEATURES	Six anti-scalp rollers. Anti-scalp cup located on each blade. Plastic replaceable skid on trim side.	Five anti-scalp rollers. Anti-scalp cup located on each blade. Plastic replaceable skid on each side.	Anti-scalp cup located on each blade. Six anti-scalp rollers. Plastic replaceable skid on each side.
DECK COVERS	Quick-release type latches. (Tools required for EU).		
LIFT ARMS	Independent lift arms and hydraulic weight transfer provide deck flotation.		
WEIGHT	530 lbs (240 kg).	441 lbs (200 kg).	491 lbs (223 kg).
OPTIONAL EQUIPMENT	Rear Weight Kit, High Tip Speed Kit, Recycler Kit, Leaf Mulcher Kit.	Rear Weight Kit, Bahia Tall Grass Kit.	Fine Recycler Completion Kit (30346). Rear Weight Kit, Bahia Tall Grass Kit.
CERTIFICATION	Cutting unit meets specification of American National Standard ANSI B71.4-2004; Safety Specifications for commercial turf care equipment. Cutting unit meets specifications of European standard EN836, CE approved.		

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[1] Mowing rate is dependent on conditions.



FULL FLOTATION CUTTING UNITS

	60" (152 CM) SIDE DISCHARGE MODEL 30366	62" (157 CM) BASE DECK CONFIGURATION GUARDIAN® RECYCLER® OR REAR DISCHARGE, MODEL 30403	52" (132 CM) GUARDIAN® RECYCLER® (30555)
TYPE	60" (152 cm) width of cut, 3-blade, front mounted rotary. Adjustable front baffle. Side discharge.	62" (157 cm) width of cut, 3-blade, front mounted rotary. Recycling with vertical discharge or rear discharge.	52" (132 cm) width of cut, 3-blade, front mounted rotary. Side discharge.
TRIMABILITY	Offset 4.33" (11 cm) to the left; 42.6" (108 cm) uncut circle left. Deck overhang: 11.17" (28.4 cm) from outside of wheel to left trim side.	Offset 2.75" (7 cm) to the left; 44.5" (113 cm) uncut circle left. Deck overhang: 10.43" (27 cm) from outside of wheel to left trim side.	Deck offset from outside of wheel to left trim side: 10.25" (26 cm). Uncut circle left: 26" (66 cm). Uncut circle with use of individual wheel brakes: 0'.
CONSTRUCTION	7-gauge steel 5.5" (14 cm) deep; welded construction. 5/16" (.8 cm) rubber discharge chute.	7-gauge steel 4.25" (11 cm) deep, welded construction.	12-gauge formed steel construction with integral structural ribs, 7-gauge welded support brackets 5" (13 cm) deep Wind-Tunnel® housing. Steel discharge chute.
HEIGHT OF CUT	1" to 5" (2.5 cm to 13 cm) adjustable. .5" (1.3 cm) increments with spacers on the front and rear castor shafts. Adjustable HOC links for rear of deck.		Adjustable in .5" (1.3 cm) increments by repositioning four clevis pins holding the deck suspended from carrier frame hanger brackets. Height of cut range: 1" to 4" (2.5 to 10 cm).
MOWING RATE^[1]	Mows up to 3.0 acres/h (1.2 hectares/h) at 5 mph (8 km/h).	Mows up to 3.1 acres/h (1.25 hectares/h) at 5 mph (8 km/h).	Mows up to 2.6 acres/h (1.1 hectares/h) at 5 mph (8 km/h).
SPINDLE ASSEMBLY	Ductile cast iron 9" (23 cm) diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 1.25" (3.2 cm) diameter, solid cold finished steel, and splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.		
CUTTER DRIVE	Isolation mounted, splined PTO-driven gearbox transfers power to three separate spindles via two separate "B" section belts.		PTO shaft-driven, isolation-mounted gearbox with 1.25:1 spiral bevel gears. Gearbox pulley drives a single "AA" section belt to three spindles, self-tensioned with a rubber torsion idler arm and riveted steel idler pulley with ag-type wiper seal and bearing.
BLADES	Three 20.5" (52 cm) long, .25" (.6 cm) thick, 2.5" (6.35 cm) wide, heat-treated steel blades. Optional Atomic™ Mulching Blade (110-4703).	Three 21.75" (55 cm) long, .25" (.6 cm) thick, 2.5" (6.35 cm) wide, heat-treated steel blades. Optional Atomic Mulching Blade (107-0214).	Three 18" (46 cm) long, 2.5" (6.3 cm) wide, .19" (.5 cm) thick, heat-treated steel blades. Optional Atomic Mulching Blade, PN 104-1301.
OPTIONAL BLADES	High Flow and Atomic.		
CARRIER FRAME SUSPENSION	Independent, 2.5" (6.4 cm) square tubing, lift/push arms each attached to separate castor arms.		Mower freely suspended in carrier frame. Height of cut bracket design and flexible carrier frame enhance cutting unit flotation and ground following capability.
CASTER WHEELS	Front: Two 8.0" x 3.5" (20.3 cm x 8.9 cm) pneumatic tires (foam-filled optional) with tubes and maintenance-free bearings. Tensioning caps made from impact-modified thermoplastic alloy – are used to hold the castor wheels on the castor arms.		Pneumatic, 8" (20.3 cm) turf tread tires, 8 x 3-4 regreaseable roller bearings and heavy-duty bushings rotating on a replaceable spanner. (Optional Phenolic Caster Wheel Assembly, PN 27-1050; two required).
ANTI-SCALP FEATURES	Six rollers. Anti-scalp cup located on each blade spindle. Plastic skid on trim side.	Five rollers on Rear Discharge Deck, six rollers on Guardian Deck. Anti-scalp cup located on each blade spindle. Plastic skid on each side.	Four anti-scalp rollers. Anti-scalp cup located on each blade spindle.
DECK COVERS	Quick-release-type latches; no tools required. (Tools required for EU).		
LIFT ARMS	Independent lift arms and hydraulic weight transfer provide deck flotation.		High strength lift arms with mounting provision for quick attach/detach of mower carrier frame or other attachments.
OPTIONAL EQUIPMENT	Rear Weight Kit, Collection System, High Tip Speed Kit, Striping Kit, Leaf Mulcher Kit, High Flow Blade (110-4702).	Required Equipment: 62" (157 cm) Rear Discharge Deck Completion Kit (30305) or 62" (157 cm) Recycler Deck Completion Kit (30306). Rear Discharge Conversion Kit, Guardian Recycler Conversion Kit, Rear Weight Kit, Bahia Tall Grass Kit.	Rear Weight Kit, Collection System, High Sail Blades (44-5480, 56-2390-03).
CERTIFICATION	Cutting unit meets specification of American National Standard ANSI B71.4-2004, Safety Specifications for commercial turf care equipment. Cutting unit meets specifications of European Standard EN836, CE approved, except some blades and the High Tip Speed Kit.	Cutting unit meets specification of American National Standard ANSI B71.4-2004, Safety Specifications for commercial turf care. Cutting unit meets specifications of European Standard EN836, CE approved.	Certified to meet the American National Standard Institute's (ANSI) specifications, B71.4-2004 and applicable Federal and State regulations based equipment thereon.

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[1] Mowing rate is dependent on conditions.



GM300 DEBRIS BLOWER RETROFIT KITS

Converts model 30855 for the GM3280-D/3320. Required kits are the following: PN 110-8539: Blower Adapter Kit, and PN 110-8540: Attachment Frame Kit.

DEBRIS BLOWER, MODEL 30823

POWER SOURCE	Groundsmaster 3280 tractor's-PTO drive. Belt drive.		
HITCH/MOUNT	Out-front design for Groundsmaster tractors (requires Attachment Frame Kit, PN 110-8540).		
FRAME	All welded steel construction.		
BEARINGS	2 self-sealed, self-aligning.		
IMPELLER	12 blades, reversed curve, 21" (53.3 cm) diameter, sandcast aluminum.		
AIR MOVEMENT	130 mph (209 km/h) @ 2700 rpm, 3650 cfm.		
DIRECTIONAL CHUTE	All steel, over-center locking, spring tension control, operated from tractor seat.		
DIMENSIONS	Length 46" (117 cm)	Width 35.6" (90 cm)	Height 34.9" (89 cm)
SHIPPING WEIGHT	300 lbs (136 kg).		

ROTARY BROOM M-B MODEL MCT **

	MECHANICAL
TYPE	Windrow type, front mounted mechanical drive broom. Hydraulic angling, 30 degrees left and right.
SWING	Swing pivot point inline with 50 degree CV joint.
BROOM SIZE	25" (63.5 cm) diameter brush. 60" (152 cm) width.
BRUSH	Sectional brush with choice of polypropylene, wire or combination radial segments.
SHIPPING WEIGHT	60" Broom: 500 lbs (227 kg).
OPTIONS	Hydraulic Swing Cylinder, Dirt Deflector, Storage Stands.

SUNSHADE

UNIVERSAL MOUNT	Model 30349.
BIMINI CANVAS	Model 30358.

V-PLOW, MODEL 30750

CUTTING WIDTH	48" (121.9 cm).
HITCH/MOUNT	Out-front design for Groundsmaster tractors. Required kits are the following: V-Plow Mounting Kit, PN 115-4917 and Attachment Frame Kit, PN 110-8540.
CONSTRUCTION	All welded steel.

CAB, MODEL 30298 (AVAILABLE JUNE 2015)

BODY/FRAME	ROPS certified cab (ISO 21299); rubber sound isolator cab mounts; fold away exterior side mirrors. (Optional road light kit and rotating beacon kit available).
GLASS	Full glass rear window and both doors, tinted (50%); front and rear windows open and act as an emergency exit using quick release latch. Heavy-duty pantograph front windshield wiper and washer.
INTERIOR	Interior mirror, upholstered panels, textured TPE ripple rubber floor mat, dome light.
HVAC	Pressurized heater/fan.
SAFETY CERTIFICATIONS	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/ASAE 5279.12 (Lighting and Marking of Agricultural Equipment on Highways).

SNOWTHROWER ERKSINE MODEL 1600***

STAGE	2
WIDTH OF CUT	53" (135 cm).
CUTTING HEIGHT	22" (56 cm).
CUTTING EDGE	51" (130 cm) bolt-on.
SKID SHOES	Adjustable/hardened.
AUGER DIAMETER	12" (30 cm) open flight.
FAN DIAMETER	16" (41 cm).
CHUTE ROTATION	Hydraulic.
SHEAR PROTECTION	Pressure relief.
CASTING DISTANCE	Up to 25' (7.62 m).
APPROXIMATE SHIPPING WEIGHT	418 lbs (190 kg).
HOSES	Included.

.56 CU-YD HI-LIFT HOPPER COLLECTION SYSTEM, MODEL 30356

CONFIGURATION	48" (121.9 cm).
WHEEL WEIGHT	Out-front design for Groundsmaster tractors. Required kits are the following: V-Plow Mounting Kit, PN 115-4917 and Attachment Frame Kit, PN 110-8540.
HOPPER CAPACITY	All welded steel.

.56 CU-YD HI-LIFT HOPPER COLLECTION SYSTEM, MODEL 30356

BLOWER ASSEMBLY	Blower assembly housing is 16" (41 cm) diameter; welded construction. The blower assembly attaches to the cutting unit's discharge port and is belt driven from the cutting unit. Impeller speed is 1800 rpm at 3200 rpm engine speed. Impeller shaft bearing is outboard mounted.
DECK BAFFLES	Steel baffles mount under deck housing to direct clippings into blower.
BUMPER	Bumper of steel tubing is bolted to deck suspension frame to protect blower housing.

Note: Use with high lift collection system

* Information regarding non-Toro (Allied Vendor) products is included in the Toro Golf and Grounds Equipment Guide as a convenience to Toro customers. Toro does not warrant, endorse or support any products purchased from Allied vendors. Additionally, Toro shall not be responsible for any personal injury or property damage, whether direct or consequential, caused by such Allied products. Toro does not certify fit up, compatibility or functionality of Allied products.

**Manufactured by M-B Companies, Inc.

***Manufactured by Erskine. Depending on mower configuration, an auxiliary valve kit (Toro model 110-5670) must be added to the tractor. Addition wheel weights may be required. The Toro Company does not manufacture or sell the snowthrower, nor does Toro guarantee these accessories in any manner whatsoever.

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