



Groundsmaster® 3280-D & 3320 Series Specifications*

| | GROUNDMASTER 3280-D, 2WD - DIESEL GROUNDMASTER 3280-D, 4WD - DIESEL | GROUNDMASTER 3320, 2WD - GAS | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|----------------|------------|-----------|-----------------------------|-----------------------------|----------------|---------------------|---------------------|--------------|---------------------|-----------------------------|--------------|--|--|----------------|--|
| ENGINE | Kubota® liquid-cooled, diesel, 3-cylinder, 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. 68.5 cu. in. (1.1 liter) displacement. Engine high idle is 3100 – 3250 rpm and low idle is 1500 – 1650 rpm. Pressurized lubrication system with 4.0 quart capacity. Heavy-duty remote-mounted 5" Donaldson® air cleaner. Fuel filter/water separator. | Briggs & Stratton/Daihatsu, Model DM 950G, 3-cylinder, inline, liquid-cooled gasoline, engine. 32 hp (23.9 kW) gross, 24.9 hp (18.6 kW) net, at governed speed of 3200 rpm. Mechanical centrifugal governor. 12-volt electric fuel pump. 12-volt (1.0 kW) starter. Heavy duty remote-mounted air cleaner. Pressure feed lubrication, spin-on oil filter. Tuned air induction system. | | | | | | | | | | | | | | | | | | |
| FUEL CAPACITY | 11.3 gallon (42.8 liter), diesel fuel. 2008 models Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend). | 11.3 gallon (42.8 liter), unleaded gasoline. | | | | | | | | | | | | | | | | | | |
| GAUGES & PROTECTION SYSTEMS | Hour meter, fuel gauge, 4 light warning cluster gauge: oil pressure, water temperature, amps and glow plug. High water temperature shut-down. Hood lock, foldable ROPS. | Hour meter, fuel gauge, 3-light warning cluster gauge: oil pressure, water temperature and amps. High water temperature shut-down. Hood lock, foldable ROPS. | | | | | | | | | | | | | | | | | | |
| RADIATOR | Mid-mounted industrial radiator construction, 7 fins per inch. Approx. 7 quart (6.6 liter) capacity. Remote mounted 1 quart (.95 liter) expansion tank. | Mid-mounted industrial radiator construction, 7 fins per inch. Approx. 6 quart (5.7 liter) capacity. Remote mounted .5 quart (.47 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 w/ Rim, 23 x 10.5-12, Part No. 108-6598, 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. 12V 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 12V 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" 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 lever, ignition switch and choke or 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. 2 amp standard control module log circuit. Seat switch, PTO, traction and parking brake interlock switches. Easy access to fuse panel. Available 12V Power Port/Electrical Accessory Kit, Model 30382. | | | | | | | | | | | | | | | | | | | |
| DIMENSIONS & WEIGHT | <table border="1"> <thead> <tr> <th></th> <th>Width</th> <th>Length</th> <th>Height</th> <th>Dry Weight</th> <th>Wheelbase</th> </tr> </thead> <tbody> <tr> <td>GM3320, GM3280-D 2WD</td> <td>47" (119 cm)^[1]</td> <td>83.5" (212 cm)</td> <td>56" w/ROPS (142 cm)</td> <td>1,300 lbs. (560 kg)</td> <td>46" (117 cm)</td> </tr> <tr> <td>GM3280-D 4WD</td> <td>47" (119 cm)^[2]</td> <td>85" (216 cm)</td> <td>56" w/ROPS (142 cm) 77" w/ROPS (195 cm)</td> <td>1,340 lbs. (608 kg) 1,520 lbs. (690 kg)</td> <td>47.5" (121 cm)</td> </tr> </tbody> </table> | | Width | Length | Height | Dry Weight | Wheelbase | GM3320, GM3280-D 2WD | 47" (119 cm) ^[1] | 83.5" (212 cm) | 56" w/ROPS (142 cm) | 1,300 lbs. (560 kg) | 46" (117 cm) | GM3280-D 4WD | 47" (119 cm) ^[2] | 85" (216 cm) | 56" w/ROPS (142 cm) 77" w/ROPS (195 cm) | 1,340 lbs. (608 kg) 1,520 lbs. (690 kg) | 47.5" (121 cm) | |
| | Width | Length | Height | Dry Weight | Wheelbase | | | | | | | | | | | | | | | |
| GM3320, GM3280-D 2WD | 47" (119 cm) ^[1] | 83.5" (212 cm) | 56" w/ROPS (142 cm) | 1,300 lbs. (560 kg) | 46" (117 cm) | | | | | | | | | | | | | | | |
| GM3280-D 4WD | 47" (119 cm) ^[2] | 85" (216 cm) | 56" w/ROPS (142 cm) 77" w/ROPS (195 cm) | 1,340 lbs. (608 kg) 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.

[1] Measured from outside of front tires.

[2] Measured from outside of rear tires.





Groundsmaster® 3280-D & 3320 Accessories Specifications*

| | FULL FLOTATION CUTTING UNITS | | |
|---------------------------------------|---|---|---|
| | 72" SIDE DISCHARGE | 72" BASE DECK CONFIGURATION MODEL 30304 | |
| | | 72" REAR DISCHARGE | OR |
| 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". | 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". | 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". |
| CONSTRUCTION | Welded 7-gauge steel, 5.5" (14 cm) deep. 5/16" (8 mm) rubber discharge chute. | | |
| HEIGHT OF CUT | 1.0-5" (2.5-12.7 cm) adjustable front and rear in .5" (12.7 mm) 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 spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and pulley. Welded blade retainer plus anti-scalp cups. | | |
| CUTTER DRIVE | Isolation mounted PTO driven gearbox with 1.25:1 spiral bevel gears. "B" section belt to spindles. 1.25" (3.2 cm) diameter spindles mounted in two greaseable tapered roller bearings. | | |
| BLADES | Three 24.5" (62 cm) long, .25" (6 mm) thick, 2.5" (6 cm) wide heat-treated steel blades. | Three 25.18" (64 cm) long, .25" (6 mm) thick, 2.5" (6 cm) wide heat-treated steel blades. | Three 25.18" (64 cm) long, .25" (6 mm) thick, 2.5" (6 cm) wide heat-treated steel blades. |
| OPTIONAL BLADES | High Flow and Atomic | | |
| SUSPENSION & CASTER WHEELS | Independent, 2.5" square tubing, lift/push arms each attached to separate castor arms. Front: Two 8.0 x 3.5 pneumatic tires (foam filled optional) with tubes and maintenance free bearings. Tensioning caps made from GE XENOY 6230 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 trim side. | Anti-scalp cup located on each blade. Six anti-scalp rollers. Plastic replaceable skid on trim side. |
| DECK COVERS | Quick-release type latches; no tools required. | | |
| 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, Guardian Striping Kit, Leaf Mulcher Kit. | Required Equipment: 72" Rear Discharge Deck Completion Kit (30303), 72" Recycler Deck Completion Kit (30304) or 72" Fine Recycler Deck Completion Kit (30346). | |
| | | Guardian Recycler Completion Kit. Rear Weight Kit, Bahia Tall Grass Kit. | Rear Discharge Completion Kit, 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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Actual products offered for sale may vary in design, required attachments and safety features. Consult your local Toro Distributor.

[1] Mowing rate is dependent on conditions.





Groundsmaster® 3280-D & 3320 Accessories Specifications* (continued)

| | FULL FLOTATION CUTTING UNITS | | |
|----------------------------------|--|---|--|
| | 60" SIDE DISCHARGE | GUARDIAN® 62" RECYCLER® 62" REAR DISCHARGE | 52" SIDE DISCHARGE |
| 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. |
| MOWING RATE⁽¹⁾ | Mows up to 3.0 acres/h (1.22 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). |
| TRIMABILITY | Offset 4.33" (10.9 cm) to the left; 42.6" (108.2 cm) uncut circle left. Deck overhang: 11.17" (28.4 cm) from outside of wheel to left trim side. | Offset 2.75" (6.9 cm) to the left; 44.5" (113 cm) uncut circle left. Deck overhang: 10.43" (26.5 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". |
| HEIGHT OF CUT | 1" to 5" (2.5 cm to 12.7 cm) adjustable .5" (12.7 mm) increments with spacers on the front and rear castor shafts. Adjustable HOC links for rear of deck. | | Adjustable in .5" (12.7 mm) increments by repositioning 4 clevis pins holding the deck suspended from carrier frame hanger brackets. Height of cut range: 1" to 4" (2.5 to 10.2 cm) |
| CONSTRUCTION | 7-gauge steel 5.5" (13.97 cm) deep; welded construction. 5/16" (8 mm) rubber discharge chute. | 7-gauge steel 4.25" (10.8 cm) deep, welded construction. | 12-gauge formed steel construction with integral structural ribs, 7-gauge welded support brackets 5" (12.7 cm) deep Wind-Tunnel® housing. Steel discharge chute. |
| SPINDLE ASSEMBLY | Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) [1" (2.5 cm) on Model 30555] diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and pulley. Welded blade retainer plus anti-scalp cups. | | |
| CUTTER DRIVE | Isolation mounted, PTO driven gearbox with 1.25:1 spiral bevel gears. "B" section belt drive to all spindles. 1.25" (3.18 cm) diameter spindle mounted in two greaseable tapered roller bearings. | | PTO shaft driven, isolation mounted gearbox with 1.25:1 spiral bevel gears. Gearbox pulley drives a single "AA" section belt to 3 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 mm) 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 mm) 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 mm) thick, heat-treated steel blades. Optional Atomic Mulching Blade, P/N 104-1301. |
| CARRIER FRAME SUSPENSION | Independent, 2.5" square tubing, lift/push arms each attached to separate castor arms. | | Mower freely suspended in patented 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 GE XENOY 6230 impact modified thermoplastic alloy are used to hold the castor wheels on the castor arms. | | Pneumatic, 8" turf tread tires, 8 x 3-4 regreaseable roller bearings and heavy duty bushings rotating on a replaceable spanner. (Optional Phenolic Caster Wheel Assembly, P/N 27-1050; two required.) |
| ANTI-SCALP FEATURES | 6 rollers. Anti-scalp cup located on each blade spindle. Plastic skid on trim side. | 5 rollers on Rear Discharge Deck, 6 rollers on Guardian Deck. Anti-scalp cup located on each blade spindle. Plastic skid on trim side. | 4 anti-scalp roller. Anti-scalp cup located on each blade spindle. |
| DECK COVERS | Quick-release type latches; no tools required. | | |
| 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" Rear Discharge Deck Completion Kit (30305) or 62" 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.





Groundsmaster® 3280-D & 3320 Attachments Specifications* (continued)



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 3280/3320 tractors-PTO drive. Belt drive. |
| HITCH/MOUNT | Out-front design for Groundsmaster tractors. |
| 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 Width Height 46" (117 cm) 35.6" (90 cm) 34.9" (89 cm) |
| SHIPPING WEIGHT | 300 lbs. (136 kg) |

| CAB, MODEL 30391 | |
|-------------------|---|
| BODY/FRAME | ROPS engineered and certified frame, Toro red color-capped plastic roof and body panels, rubber isolator mounts. Front worklights. |
| GLASS | Greylite tinted glass, tempered glass windshield, all-glass tempered door(s), 2-speed front windshield wiper. |
| DOORS | Left: key locking, interior handhold/grab bar, gas assist open. Right and left: opening swing out. |
| INTERIOR | Pre-cut textured neoprene floormat, grey upholstered interior side and rear panels, grey upholstered interior headliner, roof-mounted black color-capped plastic headliner/console. |
| ELECTRICAL | Full wiring harness with fuse box. |
| HVAC | Console-mounted pressurized fan, interior louvers and heater. |

| ROTARY BROOMS** | |
|------------------------|---|
| TYPE | MECHANICAL Windrow type, front mounted mechanical drive broom. Manual angling, 30 degrees left and right. |
| BROOM SIZE | 20" (50.8 cm) diameter brush x 48" (122 cm), 60" (152 cm) width. |
| BRUSH | Sectional brush with choice of polypropylene, wire or combination radial segments. |
| SHIPPING WEIGHT | 48" Broom: 450 lbs., (204 kg). 60" Broom: 500 lbs., (227 kg). |
| OPTIONS | Hydraulic Swing Cylinder, Electric Swing Mechanism, Dirt Deflector, Storage Stands. |

| SNOWTHROWER*** | |
|-------------------------|-----------------------|
| STAGE | 2 |
| WIDTH OF CUT | 53" |
| OVERALL HEIGHT | 47" |
| INTAKE HEIGHT | 22" |
| WEIGHT | 325 lbs. |
| CUTTING EDGE | 51" Bolt-on, hardened |
| SKID SHOES | Adjustable, hardened |
| AUGER DIAMETER | 12" |
| FAN DIAMETER | 16" |
| FAN SPEED | 870 RPM |
| CHUTE ROTATION | Hydraulic |
| CHUTE DEFLECTION | Electric |

| SUNSHADE | |
|------------------------|-------------|
| UNIVERSAL MOUNT | Model 30359 |
| BIMINI CANVAS | Model 30358 |

| V-PLOW, MODEL 30750 | |
|----------------------|--|
| CUTTING WIDTH | 48" (121.9 cm) |
| HITCH/MOUNT | Outfront design for Groundsmaster tractors. Mounting Kit 115-4917 required for installation. Will be available this fall, requires Attachment Frame Kit 110-8540 |
| CONSTRUCTION | All welded steel. |

*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.

