

**TORO**

# Sand Pro<sup>®</sup> 3040/5040

## Bunker rake

## MAINTAINING BUNKERS AND A WHOLE LOT MORE.

It's time to demand more from your bunker rake. With the exclusive Quick Attach System™ (QAS) offering tool-free, quick attachment change-outs and over 25 valuable attachments, the Sand Pro 3040 and 5040 are versatile utility vehicles with as many uses outside the bunker as in it. The Sand Pro 5040's optional front QAS provides added flexibility and exclusive steerable front attachments for surgical precision. The Toro Sand Pro keeps bunkers in tournament condition every day.



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## F E A T U R E S

- Quick Attach System to change implements in seconds without tools
- Over 25 implements available
- Hydraulic power steering (5040)
- Exclusive steerable front attachments (5040)
- 11.9 kW (16 hp) – 3040, 13.4 kW (18 hp) – 5040 Vanguard<sup>®</sup> V-twin engine
- Responsive hydraulically actuated front (5040) and rear attachments.

# SAND PRO® 3040 AND 5040 SPECIFICATIONS\*

	SAND PRO 3040, MODEL 08743	SAND PRO 5040, MODEL 08745
<b>ENGINE</b>	Vanguard®, V-twin cylinder, 4-cycle, OHV, air-cooled, petrol engine with cast iron sleeves. 11.9 kW (16 hp) at 3,600 rpm. Displacement: 480 cc (29.3 in <sup>3</sup> ). Oil capacity: 1.8 L. 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, petrol engine with cast iron sleeves. 13.4 kW (18 hp) at 3,600 rpm. Displacement: 570 cc (34.8 in <sup>3</sup> ). Oil capacity: 1.8 L. Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.
<b>AIR CLEANER SYSTEM</b>	Remote mounted 3-phase Donaldson® air cleaner.	
<b>FUEL CAPACITY</b>	18.9 L of unleaded petrol.	
<b>TRACTION DRIVE</b>	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.	
<b>GROUND SPEED</b>	Infinitely variable 0–10 mph forward; 4.3 mph reverse.	
<b>HYDRAULIC OIL</b>	18.9 L system capacity. Polyethylene reservoir to reduce corrosion. 10 (nominal) micron replaceable cartridge.	
<b>TYRES/WHEELS</b>	Three 22 x 11-8 pneumatic tubeless tyres on demountable, interchangeable wheels. Tyre pressure: 55.2–69 kPa (8–10 psi).	
<b>MAIN FRAME</b>	Tricycle vehicle with welded rectangular tubular steel frame construction. Rear engine placement.	
<b>BRAKES</b>	Dynamic braking through the hydrostatic transmission and hand actuated brake lever.	
<b>STEERING</b>	Manual front wheel steering. 38 cm (15") diameter steering wheel. Double lubed for life gearbox.	Hydraulic power steering. 38 cm (15") diameter steering wheel.
<b>CONTROLS/GAUGES</b>	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.
<b>SEAT</b>	High-back cushion seat w/drain hole. 10 cm (4") front-back adjustment w/additional 4.4 cm (1.75") mounting adjustment. Arm rests optional.	
<b>ELECTRICAL FEATURES</b>	12V battery, 15 A, 300 CCA @ -17.8°C. 12-volt electric starter. Dash-mounted ignition switch with key. Neutral interlock switch, seat switch. Also provisions for light kit.	
<b>SOUND LEVEL</b>	83 dB(A) at operator ear, under normal operating conditions.	
<b>DIMENSIONS</b>	<b>Width:</b> 147 cm (58"), <b>Length:</b> 171.5 cm (67.5"), <b>Height:</b> 114.9 cm (45.25"), <b>Wheelbase:</b> 108 cm (42.75")	
<b>GROUND CLEARANCE</b>	15.2 cm (6.0")	
<b>WEIGHT</b>	Net weight (less fluids): 421.8 kg (930 lb)	
<b>WARRANTY</b>	Two-year 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
<b>FRONT LIFT FRAME ASSEMBLY</b>	Front Quick Attach System™ (QAS) mounting assembly and hydraulic components. Used on Sand Pro 5040 only. Model 08713.
<b>HYDRAULIC FLEX BLADE</b>	Hydraulic QAS flex blade is designed for levelling, packing and smoothing uneven areas in one pass. Model 08712. Available for Sand Pro 5040 only. Requires front lift frame assembly (08712).
<b>MANUAL BLADE</b>	Standard 102 cm (40") width steel blade. Spring balanced manual blade is used for levelling 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 152 cm (60") for levelling out larger uneven areas. PN 115-5646.

	FRONT AND REAR QAS ATTACHMENTS
<b>BUNKER PUMP</b>	Throws water up to 12 m (40') and can pump 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 (08781) and front remote hydraulics for front QAS mount (on Sand Pro 5040 only) Model 08765.
<b>BUNKER PUMP REMOTE DISCHARGE KIT</b>	An available 15 m (50') discharge hose allows the QAS bunker pump to be removed and dropped into hard-to-reach areas. PN 115-2084.
<b>LIP BROOM</b>	Eliminates the task of manually maintaining infield lips. Removes ridge build-up by sweeping material back into the infield. Mounts to front QAS (Sand Pro 5040) and rear QAS (Sand Pro 3040 & 5040). Requires front lift frame assembly (08712) for front attachment (on Sand Pro 5040 only). <b>Lip broom available from Rahm Industries at <a href="http://www.rahngroomer.com">www.rahngroomer.com</a>.</b>
<b>TURF PLOUGH</b>	The 163 cm (64") turf plough 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 plough fits both Sand Pro 3040 and 5040. <b>The turf plough is available from Nordic Plow at <a href="http://nordicplow.com">nordicplow.com</a></b>

	MID-MOUNT ATTACHMENTS
<b>MID-MOUNT ASSEMBLY</b>	Base mounting assembly for mid-mount toolbars with spring-loaded regulation to allow relief if obstruction is hit. Model 08731.
<b>WEEDER TINE TOOLBAR</b>	Ideal for removing weeds and grass from less maintained bunkers and fields. Requires mid-mount assembly (08731). Model 08732.
<b>PROFILE BLADE TOOLBAR</b>	Primarily used for weeding bunkers. PN 132-4427.
<b>LEVELLING BLADE</b>	Attaches to any mid-mount toolbar to quickly level out large areas. Foot-operated latch allows operator to lower levelling blade independently from the other mid-mount toolbar. PN 108-8496.
<b>SOLID TINE TOOLBAR</b>	Used for general scarifying applications. Rotate teeth to maximise tine life. Requires mid-mount assembly (08731). Model 08734.
<b>CARBIDE TINE TOOLBAR</b>	Use in the harshest conditions and for extended life. 15 carbide tines included. Requires mid-mount assembly (08731). Model 08735.
<b>SPRING TINE TOOLBAR</b>	Use for light to moderate scarifying and daily maintenance in bunkers and on premium fields. Requires mid-mount assembly (08731). Model 08733.
<b>EDGER</b>	Maintains the grass edge of the outfield near the infield skin or warning track. Easily renovate ball fields by removing overgrown turf and infield lip build-up. Significantly reduces labour required for infield edging. Requires rear remote hydraulics (08781). Model 08766.

\*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.



REAR QAS ATTACHMENTS	
<b>TOOTH RAKE</b>	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.
<b>WEIGHT KIT FOR TOOTH RAKE</b>	Additional weight for the tooth rake attachment to improve performance in coarse or wet conditions. Set of 5 weights. PN 115-4333.
<b>QAS FLEX TOOTH RAKE</b>	216 cm (85") daily bunker groomer. Flexible rubber material will not tear liners or turf, allowing for edge grooming. Rubber groomers are reversible for longer life. Model 08757.
<b>TOOTH RAKE BROOM</b>	190 cm (75") brush. Attaches behind the tooth rake (08751) for a smoother finish. Model 08816.
<b>PIVOTING TROWELS KIT</b>	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.
<b>SPRING RAKE</b>	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.
<b>DRAG MAT CARRIER SYSTEM</b>	QAS-mounted carrier frame with hydraulic lifter allows operator to raise and lower drag mats without ever leaving the operator seat. 183 cm (72") width. Model 08756.
<b>COCO DRAG MAT</b>	Quickly produces a premium finish on dry, level surfaces. Requires drag mat carrier system (08756). Model 08758.
<b>STEEL DRAG MAT</b>	Designed for more rugged surfaces to quickly groom and finish. Use on wet or dry sand surfaces. Requires drag mat carrier system (08756). Model 08757.
<b>AUTOMAT DRAG MAT</b>	198 x 46 cm (78 x 18"). Steel drag mat is controlled by and works together with nail drag for single-pass scarification and finish grooming. Drag mat automatically engages the infield as the nail drag is lowered via rear QAS. Features lock-out position when use is not required. Model 08763. Requires nail drag (08761). Compatible with QAS Flex Groomer (08762).
<b>MANUAL DRAG MAT</b>	198 x 91.5 cm (78 x 36"). Steel drag mat delivers exceptional finish grooming. Mat easily rolls up and stores on yolks provided. Model: 130-7852. Requires nail drag (08761). Compatible with QAS Flex Groomer (08762).
<b>NAIL DRAG</b>	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 40D common nail. Model 08761.
<b>QAS FLEX GROOMER</b>	182 cm (72") flexible groomer mounts to nail drag (08761) for single-pass infield scarification and grooming. Features lock-out position to restrict use without tools or removal. Model 08762. Requires nail drag (08761).
<b>SEGMENTED GROOMING BROOM</b>	Designed to minimise top surface disruption, maximise firmness and provide a smooth finished look in contoured bunkers. Model 08753.
<b>REPLACEMENT SEGMENTED GROOMING BROOM</b>	Replacement grooming broom with stiffer bristles. PN 110-8182.
<b>WEIGHT KIT FOR SEGMENTED GROOMING BROOM</b>	Additional weight for segmented grooming broom to improve performance in coarse or wet conditions. Set of 4 weights. PN 112-0025.
<b>QAS FINISH GRADER</b>	Use to level and/or scarify large areas. Includes box plough and scarifier with spring load regulation to allow relief if obstruction is hit. Model 08754.
<b>RAHN GROOMER</b>	The Rahn GL650 Infield Groomer levels uneven playing fields, helping to prevent ridge build up while creating a 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 levelling system provides both a lock and float position to match infield conditions. <b>Rahn groomer available from Rahn Industries at <a href="http://www.rahngroomer.com">www.rahngroomer.com</a>.</b>
<b>QAS SPIKER</b>	Use for spiking greens and other formal turf to increase air flow for healthier turf. Model 08755.
<b>BASIC DRAG MAT SYSTEM</b>	Basic drag mat system, Model 112-1424. Requires 108-9427 and 110-1375.

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ACCESSORIES	
<b>QAS A-FRAME ASSEMBLY</b>	Can attach spring rake (08752) to be used independently. PN 108-9427.
<b>400-HOUR FILTER MAINTENANCE KIT</b>	Includes 9 engine oil filters, 2 hydraulic oil filters and 2 air filters. Model 30035.
<b>REAR REMOTE HYDRAULICS</b>	Quick-connect design allows rear-powered attachments to be connected in under a minute. Model 08781.
<b>VARIABLE ORIFICE KIT</b>	Slows hydraulic lift and lowering for increased precision and accuracy when using hydraulically powered attachments. PN 112-1433.
<b>LIGHT KIT</b>	Front and rear flood lights improve operator visibility during low natural light operation. PN 110-1314.
<b>SPEED CONTROL KIT</b>	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.
<b>HITCH/TOW BAR</b>	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.
<b>FRONT WEIGHT KIT</b>	22.7 kg (50 lb). Allows the Spiker or Rahn® Groomer attachments without the front lift frame assembly attached to meet ANSI compliance. PN 100-6442.

OPTIONAL TYRES	
<b>SMOOTH TYRE</b>	Includes individual tyre, wheel and stem valve assembly. Typically used on greens. PN 112-0034.
<b>TURF TYRE</b>	Turf tread tyre. PN 94-6126.

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