



ProCore® 648s

POWERED GREENS AERATOR

FEATURES

- Exclusive wheel placement inside coring head path
- Improved coring head drop and raise results in faster return to pre-aeration conditions
- Delayed mode allows operators to easily lift and lower coring head over obstacles
- Electronically controlled hydrostatic drive maintains consistent hole spacing
- Tine depth and hole spacing set and saved in InfoCenter™
- TrueCore™ ground-following system ensures depth consistency in undulating conditions
- RotaLink™ coring head delivers smooth operation, superior hole quality and unrivaled productivity
- Standard storage box and optional LED light kit

The new gold standard of greens aeration.

The ProCore 648s builds on the tremendous legacy of the ProCore 648 by incorporating proven technology and even more innovative features while preserving the time tested design elements that changed the way you aerate. Revised controls improve ergonomics and allow single handed operation. Hole spacing and true tine depth are now set and saved in the InfoCenter. The onboard controller is continuously monitoring key operating parameters to improve after aeration turf condition and allow the operator to easily target coring head drop and raise. A tighter turning radius with reduced wheel scrubbing and the ability to easily increase speed during turns increases productivity. Proven reliability, improved performance and exciting innovation - that's what makes the ProCore 648s the new superior choice.

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Set selector switch to Delayed Mode



Use front tire as indicator to engage aeration



Coring head drops where aeration engaged



	PROCORE 648S, MODEL 09960	PROCORE 648S, MODEL 09960C (CARB)	
ENGINE	Kohler®, 2-cylinder, air-cooled, 23 hp (17.1 kW) gross, 19 hp (14.2 kW) net @ 3000 rpm, 41 cu-in. (674 cc) displacement. Dry, large capacity, replaceable element air filter. External spin-on oil filter, 2-quart (1.9-liter).	Kohler®, 2-cylinder, air-cooled, 26.5 hp (19.7 kW) gross, 21.7 hp (16.2 kW) net @ 3000 rpm, 41 cu-in. (674 cc) displacement. Dry, large capacity, replaceable element air filter. External spin-on oil filter, 2-quart (1.9-liter).	
FUEL CAPACITY	7.5 gallons (28.4 liter), gasoline.		
ELECTRICAL	12-volt, 15 amp regulated charging alternator/generator. BCI Group No.: U1 battery, 300 cold cranking amps @ 0°F. Micro-processor logic control.		
DRIVETRAIN	Series-Parallel, closed loop, hydrostatic drive. 3WD, except it automatically switches to 2WD while in aeration mode and traveling in forward direction with coring head raised allowing a tighter turning radius. Electronically controlled variable displacement piston type pump. High-torque, low-speed wheel motor drive.		
HYDRAULIC SYSTEM	Remote spin-on filter. 3.0- gallon (13.2 liter) capacity, Toro PX Extended Life hydraulic fluid.		
CONSTRUCTION	Welded steel frame with cast crank and arm assembly.		
TIRES	20 x 10-10, 2-ply rated, smooth tread, tubeless, inflated to 12 psi, de-mountable rims.		
BRAKES	Dynamic braking through hydrostatic transmission. Parking brake actuated when steering handle is raised into storage position.		
GROUND SPEED	Transport Mode: Forward: 0-4.5 mph (0-7.2 km/h), variable Reverse: 0-2.0 mph (0-3.2 km/h), variable	Aeration Mode: Forward: 0-2.5 mph (0-4.0 km/h), variable Reverse: 0-2.0 mph (0-3.2 km/h), variable	Aeration Forward Spacing: 1-4.5" (2.5-11.3 cm) in 0.25" (5mm) increments 1" (2.5 cm) spacing: 0.51 mph (0.8 km/h) 2" (5.0 cm) spacing: 1.03 mph (1.65 km/h) 3" (7.5 cm) spacing: 1.54 mph (2.46 km/h) 4" (10.0 cm) spacing: 2.06 mph (3.30 km/h)
INSTRUMENTATION	InfoCenter™, tachometer.		
CONTROLS	Redundant operator presence bails, aeration start/stop bails and traction speed thumb wheels on handle. Tine length calibration, tine depth and forward hole spacing set and saved in InfoCenter. Bump stop, delayed or immediate drop switch, cruise control on/set/off switch, aerate or transport switch and optional LED light kit switch located on operator console. Ignition, tachometer on side console. Throttle and choke (09960 only) on engine.		
INTERLOCKS	Operator presence, clutch latch, traction neutral, coring head raise/lower.		
LENGTH	Handle Down: 116.3" (293.1 cm) Handle Raised: 91.8" (231.3 cm)	Handle Down: 117.3" (298 cm) Handle Raised: 92.8" (235.7 cm)	
WIDTH	50.12" (127.3 cm)		
HEIGHT	Head Raised: 45" (114.3 cm) Head Lowered: 36.5" (92.7 cm)	Handle Raised: 60.7" (153.0 cm) Handle Lowered: 47.5" (119.7 cm)	
WHEELBASE	44.5" (113 cm)	45.5" (116 cm)	
TRACK WIDTH	38.3" (97.3 cm)		
WEIGHT	1,642 lbs (744.7 kg)	1,644 lbs (745.7 kg)	
GROUND CLEARANCE	4.75" (12.1 cm)		
CERTIFICATION	ANSI B71.4-2017. CE & EU machinery directives.	ANSI B71.4-2017. CE & EU machinery directives. Meets all EPA & CARB emission standards.	
WARRANTY	Two-year or 500 hour limited warranty. Refer to the Operator's Manual for further details.		

TINE HEADS				
	Model	Description	Lateral Spacing	Mount Diameter
TINES	09739	Needle Tine	1.6" (2.8 cm)	N/A
	09736	Mini-Tine (2 rows of 5)	1.6" (2.8 cm)	3/8"
	09737	Mini-Tine (1 row of 6)	1.3" (3.3 cm)	3/8"
	09794	3 Tine 3/4"	2.6" (6.8 cm)	3/4"
	09796	4 Tine 3/4"	2" (5.1 cm)	3/4"
	09797	3 Tine 7/8"	2.6" (6.8 cm)	7/8"
	09719	QuickChange® 4-Tine	2" (5.1 cm)	3/4" or 7/8"
	ACCESSORIES			
	Model	Description	Part Number	Description
TINES	09962	LED Light Kit, ProCore 648s	114-0590-01	QuickChange® Tool
	09220	Windrower Kit	115-4754	Wireless Hour Meter
	09225	Tire Scrapers		
	09234	Rear Roller Kit		
TINES				
Over 100 Titan Tines in multiple varieties available from Toro. See the Toro Titan Tines Catalog or visit toro.com/titantines				

*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.

