



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.

toro.com/648s



Set selector switch to Delayed Mode



Use front tire as indicator to engage aeration



Coring head drops where aeration engaged



PROCORE 648S, MODEL 09960																																				
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).																																			
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 2WD while traveling in forward direction in aeration mode with coring head raised. 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	<table border="0"> <tr> <td>Transport Mode:</td> <td>Aeration Mode:</td> <td>Aeration Forward Spacing:</td> </tr> <tr> <td>Forward: 0-4.5 mph (0-7.2 km/h), variable</td> <td>Forward: 0-2.5 mph (0-4.0 km/h), variable</td> <td>1-4.5" (2.5-11.3 cm) in 0.25" (5mm) increments</td> </tr> <tr> <td>Reverse: 0-2.0 mph (0-3.2 km/h), variable</td> <td>Reverse: 0-2.0 mph (0-3.2 km/h), variable</td> <td>1" (2.5 cm) spacing: 0.51 mph (0.8 km/h)</td> </tr> <tr> <td></td> <td></td> <td>2" (5.0 cm) spacing: 1.03 mph (1.65 km/h)</td> </tr> <tr> <td></td> <td></td> <td>3" (7.5 cm) spacing: 1.54 mph (2.46 km/h)</td> </tr> <tr> <td></td> <td></td> <td>4" (10.0 cm) spacing: 2.06 mph (3.30 km/h)</td> </tr> </table>	Transport Mode:	Aeration Mode:	Aeration Forward Spacing:	Forward: 0-4.5 mph (0-7.2 km/h), variable	Forward: 0-2.5 mph (0-4.0 km/h), variable	1-4.5" (2.5-11.3 cm) in 0.25" (5mm) increments	Reverse: 0-2.0 mph (0-3.2 km/h), variable	Reverse: 0-2.0 mph (0-3.2 km/h), variable	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)																	
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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 on engine.																																			
INTERLOCKS	Operator presence, clutch latch, traction neutral, coring head raise/lower.																																			
DIMENSIONS	<table border="0"> <thead> <tr> <th>Length</th> <th>Width</th> <th>Height</th> <th>Wheelbase</th> <th>Track Width</th> <th>Weight (dry)</th> <th>Ground Clearance</th> </tr> </thead> <tbody> <tr> <td>Handle Down: 116.3" (293.1 cm)</td> <td>50.12" (127.3 cm)</td> <td>Head Raised 45" (114.3 cm)</td> <td>44.5" (113 cm)</td> <td>38.3" (97.3 cm)</td> <td>1,642 lbs (744.7 kg)</td> <td>4.75" (12.1 cm)</td> </tr> <tr> <td>Handle Raised: 91.8" (231.3 cm)</td> <td></td> <td>Head Lowered 36.5" (92.7 cm)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Handle Raised: 60.7" (153.0 cm)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Handle Lowered: 47.5" (119.7 cm)</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Length	Width	Height	Wheelbase	Track Width	Weight (dry)	Ground Clearance	Handle Down: 116.3" (293.1 cm)	50.12" (127.3 cm)	Head Raised 45" (114.3 cm)	44.5" (113 cm)	38.3" (97.3 cm)	1,642 lbs (744.7 kg)	4.75" (12.1 cm)	Handle Raised: 91.8" (231.3 cm)		Head Lowered 36.5" (92.7 cm)							Handle Raised: 60.7" (153.0 cm)							Handle Lowered: 47.5" (119.7 cm)				
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CERTIFICATION	ANSI B71.4-2017. CE & EU machinery directives.																																			
WARRANTY	Two-year or 500 hour limited warranty. Refer to the Operator's Manual for further details.																																			

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*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.

