

# Aercore Aerators



**Aercore | 800, 1000, 1500, 2000**



**JOHN DEERE**

## The John Deere benchmark for quality aeration: the Aercore 800, 1000, 1500 and 2000 Aerators.

Simplicity meets superior performance. In short, that sums up the John Deere line of Aercore Aerators. These ground-breaking walk behind and tractor mounted aerators have consistently delivered high productivity without sacrificing hole quality, durability or ease of service.

The Aercore design is rooted in common sense and logic. Easily accessible belts, instead of chains, power the systems, making them quieter and more durable in high-shock conditions like hardpan or rocky terrain.

But the true hero of the Aercore story is the patented “flexi-link” design. This supporting arm ensures the tines stay perpendicular to the ground longer for a higher quality hole. The proof is in the productivity: the Aercore 800 can punch up to 582,400 high quality holes per hour, while the Aercore 1000, 1500 and 2000 exceed that at 600,000, 900,000 and 1,200,800 holes each.

Just like a great golf swing, the Aercore Aerators are remarkably consistent in quality and quantity.



### Flexi-Link

This patented design keeps the tines perpendicular to the ground longer. The result? Hole quality that's unsurpassed.



### Productivity

With the Aercore design, high productivity and hole quality go hand-in-hand. An Aercore Aerator can punch as many as 1.2 million holes an hour.



2000



1500



1000



## Got acres and acres of aeration ahead of you? Put one of these behind you.

Whether you're aerating fairways or sports fields, nothing beats the Aercore 1000, 1500 and 2000 for hole quality and productivity. These tractor mounted units core a mighty swath. The 1000 can aerate from 1,858 to 4,645 m<sup>2</sup>/h (20,000 to 50,000 sq.ft./h) at a coring swath of 95 cm (37.5 in). The 1500 can do 2,787 to 6,967 m<sup>2</sup>/h (30,000 to 75,000 sq.ft./h) at a coring swath of 1.46 m (57.5 in). And the 2000 aerates from 3,716 to 9,290 m<sup>2</sup>/h (40,000 to 100,000 sq. ft./h) at a coring swath of 1.96 m (77.5 in).

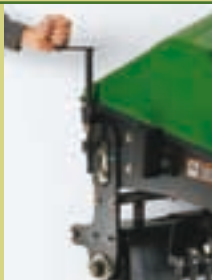
And where tractors are concerned, you can't do better than with one of the most legendary names in the business. Our line of gear and hydrostatic drive tractors are the best fit for the Aercores. With a wide range of PTOs in our CUT Series, these compact tractors feature advantages like power steering, independent PTOs and differential locks and offer productive options like four wheel drive and mid PTOs. The Aercore 1000 requires a 15-24 PTO hp tractor while the 1500 and 2000 perform best between 22 and 30 PTO hp. All require a Category I, three point hitch and proper ballast.

### 2000

Producing up to 1,200,800 holes per hour, the Aercore 2000 can make short work of long fairways and fields.

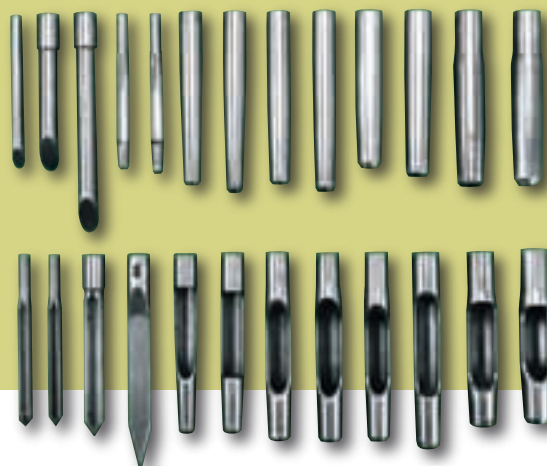
### Depth gauge

An easy to adjust depth gauge on the outside of the 1000, 1500 and 2000 allow you to choose depth settings up to 10.2 cm (4 in).



### Tines

Tired of breaking tines? Our line of HDT (heavy duty tip) and HD (heavy duty) tines can last an entire eighteen holes without being replaced.



### 1500

The Aercore 1500 can punch up to 900,000 holes per hour at a coring swath of 1.46 m (57.5 in).

### 1000

For tight areas, the Aercore 1000 is sized right, with a coring swath of 95 cm (37.5 in) and produces up to 600,000 holes per hour.

## Aercore 800. Improved for even better productivity.



# 800

Bring on the large greens and tees. With the changes we've made to the walk behind Aercore 800, you'll be getting more done in less time. With a new 25 hp engine, the Aercore 800 delivers increased power to the coring head and traction drive systems. It also allows for lower engine rpms on entry and exit, increasing hole quality.

You'll also notice that the Aercore 800 now sports standard drive tyre core deflectors. They displace cores

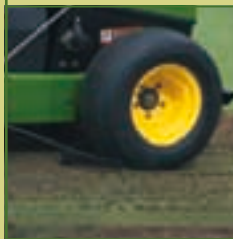
that are in the path of the drive tyres, allowing for easier clean-up. And a new electro hydraulic lift lower system cuts the time to lift and lower the coring head in half, greatly improving entry and exit hole quality.

The Aercore 800 still delivers the high productivity and hole quality this line is known for, thanks to the patented "flexi-link" mounting design.

Cores are pulled first, which reduces the surface tension to allow the verticutter attachment to slice cleanly to a maximum depth of 44.5 mm (1 3/4 in) in all four operating gears.



### Core dispersal



New core deflectors move cores out of the path of the drive tyres, enabling easier clean-up and preventing cores from being matted down.

### Depth



Easy to adjust depth gauge allows you to choose depth settings up to 8.9 cm (3.5 in).

Unique concept – aerate and verticut your turf in one pass, saving time and labour from coring to clean-up.

## Finish up the job with our clean up crew.

### TC125



The TC125 Collection system makes cleaning up cores easy. With a 0.7 m<sup>3</sup> (25 cubic foot) capacity hopper and 122 cm (48 in) collection swath, the TC125 can clear the average green in 15 minutes. The adjustable roller height allows for varying turf conditions, which prevents aggressive brush wear. And the hydraulic powered lift cylinder makes it easy for one person to dump cores.

The TC125 has a generous 0.7 m<sup>3</sup> (25 cubic foot) capacity. The towed attachment allows one person to easily pick up and dump cores.

An efficient direct drive hydraulic motor powers the brush on the TC125.

### CP48



If you'd rather grind up cores, the CP48 Core Pulveriser can handle moist or dry cores. A 48 in gathering width collects the cores, while adjustable belt drive brushes and rotating blades pulverise the cores into a fine powder, thus returning the material back to the turf. An offset towing feature allows the unit to be towed either behind or offset to the right side of the towing unit.

Offset towing feature allows unit to be towed behind or offset right.

Powerful 12 hp engine provides up to 2.1 hours of pulverising at 75% load capacity.

Adjustable belt drive brushes and rotating blades pulverise cores into fine powder.

SPECS	800	1000	1500	2000
<b>Machine:</b>				
Coring Width	1.47 m (58 in)	95 cm (37.5 in)	1.46 m (57.5 in)	1.96 m (77.5 in)
Coring Depth	Up to 8.9 cm (3.5 in)	Up to 10 cm (4 in)	Up to 10 cm (4 in)	Up to 10 cm (4 in)
Hole Pattern	36 x 36 mm (1.4 x 1.4 in mini tines) 50 x 50 mm (2 x 2 in)	Variable 61 x 51 to 127 mm (2.4 x 2 to 5 in) Variable 81 x 51 to 127 mm (3.2 x 2 to 5 in)	Variable 61 x 51 to 127 mm (2.4 x 2 to 5 in) Variable 81 x 51 to 127 mm (3.2 x 2 to 5 in)	Variable 61 x 51 to 127 mm (2.4 x 2 to 5 in) Variable 81 x 51 to 127 mm (3.2 x 2 to 5 in)
	65 x 50 mm (2.6 x 2 in) 75 x 50 mm (2.9 x 2 in)			
<b>Productivity:</b>				
3.6 x 5.6 cm (1.4 x 1.4 in)	1024 m <sup>2</sup> /h (11025 sq ft/h)			
5 x 5 cm (2 x 2 in)	1440 m <sup>2</sup> /h (15750 sq ft/h)			
5 x 6.5 cm (2 x 2.6 in)	1933 m <sup>2</sup> /h (20710 sq ft/h)			
5 x 7.5 cm (2 x 3 in)	2123 m <sup>2</sup> /h (22835 sq ft/h)			
3 x 5 cm (2.4 x 2 in)		1859 m <sup>2</sup> /h (20013 sq ft/h)	2789 m <sup>2</sup> /h (30020 sq ft/h)	3722 m <sup>2</sup> /h (40026 sq ft/h)
3 x 6.4 cm (2.4 x 2.5 in)		2324 m <sup>2</sup> /h (25016 sq ft/h)	3486 m <sup>2</sup> /h (37525 sq ft/h)	4653 m <sup>2</sup> /h (5033 sq ft/h)
3 x 7.6 cm (2.4 x 3.0 in)		2789 m <sup>2</sup> /h (30020 sq ft/h)	4183 m <sup>2</sup> /h (45030 sq ft/h)	5584 m <sup>2</sup> /h (60040 sq ft/h)
3 x 10.1 cm (2.4 x 4.0 in)		3718 m <sup>2</sup> /h (40026 sq ft/h)	5578 m <sup>2</sup> /h (60039 sq ft/h)	7445 m <sup>2</sup> /h (80053 sq ft/h)
3 x 11.1 cm (2.4 x 4.5 in)		4069 m <sup>2</sup> /h (45030 sq ft/h)	6282 m <sup>2</sup> /h (67544 sq ft/h)	8376 m <sup>2</sup> /h (90059 sq ft/h)
3 x 12.7 cm (2.4 x 5.0 in)	4648 m <sup>2</sup> /h (50033 sq ft/h)	4648 m <sup>2</sup> /h (50033 sq ft/h)	6972 m <sup>2</sup> /h (75049 sq ft/h)	9306 m <sup>2</sup> /h (100066 sq ft/h)
Weight	665 kg (1466 lb)	392 kg (865 lb)	499 kg (1,100 lb)	772 kg (1,728 lb)
Height	99 cm (39 in)	99 cm (39 in)	99 cm (39 in)	99 cm (39 in)
Width	1.47 m (58 in)	1.16 m (45.7 in)	1.66 m (65.5 in)	2.18 m (85.7 in)
Length	2.13 m (84 in)	84.5 cm (33 in)	84.5 cm (33 in)	84.5 cm (33 in)
Manufacturer	Kohler Command 13.4 kw (18 hp)			
Power	18.6 kW (25 hp)			
Cycle	4			
Displacement	624 cc			
Fuel Capacity	18.9 ltr			
Fuel Mixture	Regular-Unleaded			
Ignition	Solid State			
Air Filter	1 dual element			
Starter	Electric/Solenoid			
Transmission (Coring)	1st, 2nd, 3rd and 4th gear			
Transmission (Transport)	Transport 5.6 km/h (3.5 mph)			
Coring Swath	80 cm (31.5 in)			
Coring Head Drive	Matched dual v-belts			
Lift System	Electro-hydraulic, electric pump, single hydraulic lift cylinder			

Tine sizes for all	
Tubular	2.54 cm (1 in) 1.9 cm (3/4 in) 1.6 cm (5/8 in) 1.27 cm (1/2 in) 1 cm (3/8 in)
Open Side	2.54 cm (1 in) 2.22 cm (7/8 in) 2.06 cm (13/16 in) 1.9 cm (3/4 in) 1.6 cm (5/8 in) 1.27 cm (1/2 in) 10 mm (3/8 in) 0.64 cm (1/4 in)
Solid*	1.6 cm (5/8 in) 1 cm (3/8 in)

\* Cross with 1.27 cm (1/2 in) rib and Super cross with 3/4 in (1.9 cm) rib available on Aercore 800, 1000, and 1500

5 mm needle tine, 8 mm needle tine available on Aercore 1000 and 1500

SPECS	TC125	CP48
Vehicle Requirements	Powered by compact utility tractor or HDUV with a Selective Control Valve (SCV). Hydraulic requirements: 23 ltr/min at 2,000 psi (140 kg/cm <sup>2</sup> )	272 kg (600 lb) towing capacity and 12-volt electrical system
Gathering Width	1.22 m (48 in)	1.22 m (48 in)
Hopper Capacity	0.71 m <sup>3</sup> (25 cu. ft.)	
Hitch	Attaches with std. 1.9 cm (3/4 in) hitch pin	Attaches with standard 4.76 cm (1-7/8 in) ball hitch
Offset Towing Feature:	Allows the unit to be towed either directly behind or offset to the left side of vehicle. Easily performed while the operator remains seated.	Allows unit to be towed either directly behind or offset to right side of the towing vehicle
Hydraulic Connection	3 quick-disconnect couplers (2 rotary brush, 1 lift cylinder)	
Lift	Hydraulic powered lift cylinder for dumping	
Pick-Up-System	Hydraulic powered rotary brush	
Brush Speed	500-600 rpm, direct drive hydraulic motor	750-850 rpm brush speed / 1500-1600 rpm blade speed
Rollers	Brush aggressiveness and flotation controlled by 15.24 cm (6 in) dia. full width roller behind rotary brush. Roller height adjusted to accommodate turf conditions and brush wear.	
Productivity	Clears an average green in 15 minutes	Clears an average green in 10 minutes; one person operation Two 18 x 8.5-8 4-ply turf tyres
Tyres	26.5 x 14 x 12	
<b>Dimensions:</b>		
Height	1.63 m (64 in) - lowered, 3.68 m (145 in) - raised	81.28 cm (32 in)
Length	3.51 m (138 in)	2.44 m (96 in) includes tongue
Width	2.39 m (94 in)	1.91 m (75 in)
Weight	578 kg (1250 lb)	263 kg (580 lb)
Dump Height Clearance	1.20 m (49 in)	
Controls		Engagement of the clutch is done from the operator's station Kohler Command Pro 8.9 kW (12 hp) 10-12 psi (0.69-0.84 kg/cm <sup>2</sup> ) Eight section polyester bristle Adjusted by height adjustment cranks on both sides of unit
Engine Manufacturer		
Tyre Pressure		
Brush		
Brush Adjustments		



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