



# AERCORE AERATORS

800 | 1000 | 1500 | 2000



## The standard bearers for quality aeration: the Aercore 800, 1000, 1500 and 2000™ Aerators from John Deere.

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 much as 1.2 million holes an hour.







4  
2000



# 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 20,000 to 50,000 sq. ft. hr. at a coring swath of 37.5 inches. The 1500 can do 30,000 to 75,000 sq. ft./hr. at a coring swath of 57.5 inches. And the 2000 aerates from 40,000 to 100,000 sq. ft./hr at a coring swath of 77.5 inches.

And where tractors are concerned, you can't do better than the most legendary name 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 CUTS 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 & 2000 perform best between 22 and 30 PTO hp. All require a Category I, three-point hitch and proper ballast.

## EXCEPTIONAL PARTS SUPPORT

Behind every John Deere Product is a parts support network to get you the high-quality part you need fast. If your distributor does not have a part in stock, in most cases you can order it by 5 p.m., and have it the next day. Or even order parts online at [www.JDParts.JohnDeere.com](http://www.JDParts.JohnDeere.com).

### 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 setting up to 4 inches.



### 1500

The Aercore 1500 can punch up to 900,000 holes per hour at a coring swath of 57.5 inches.

### 1000

For tight areas, the Aercore 1000 is sized right, with a coring swath of 37.5 inches and produce up to 600,000 holes per hour.

### 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.





## Aercore 800. Improved for even better productivity.



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 Kohler 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. And a mechanical transmission reduces hydraulics on your greens.

You'll also notice that the Aercore 800 now sports

standard drive tire core deflectors. They displace cores that are in the path of the drive tires, allowing for easier cleanup.

The new electrohydraulic lift lower system cuts the time to lift and lower the coring head in half, greatly improving entry and exit hole quality. It also allows the coring head to follow contours and undulations automatically. Best of all, this system uses only 2 quarts of Bio Hy-Gard™ hydraulic fluid.

Four gears on the Aercore 800 allow you to match productivity and speed

Coring head between the tires follows contours and undulations automatically

### CORE DISPERSAL



New core deflectors move cores out of the path of the drive tires, making for easier cleanup and preventing cores from being matted down.

### DEPTH



Easy to adjust depth gauge allows you to choose depth setting up \_\_\_ inches

Narrow 31.5 in. width promotes consistent hole depth on undulations



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

### TC125



The TC 125 Collection system makes cleaning up cores a breeze. With a 25-cubic-foot-capacity hopper and 48-inch collection swatch, 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.

TC125 has a generous 25-cubic-foot-capacity. This offset, towed attachment allows one person to easily pickup and dump cores.

An efficient direct-drive hydraulic motor powers the brush on the TC-125.

### CP48



If you'd rather grind up cores, the CP48 Core Pulverizer can handle moist or dry cores. A 48-in. gathering width collects the cores, while adjustable belt-drive brushes and rotating blades pulverize 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 Kohler 12-hp engine provides up to 2.1 hours of pulverizing at 75 percent load capacity.

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



SPECS	800	1000	1500	2000
<b>MACHINE:</b> Coring Width Coring Depth Coring Pattern	58 in. (1,473 mm) Up to 3.5 in. (88.9 mm) 1.4 x 1.4 in. w/mini tines (36 x 36 mm) 2.0 x 2.0 in. (50 x 50 mm) 2.6 x 2.0 in. (65 x 50 mm) 2.9 x 2.0 in. (75 x 50 mm)	37.5-in. (101.6 cm) Up to 4 in. (100 mm) Variable 2.4 in. x 2.0 in. to 5.0 in. (61 mm x 51 mm to 127 mm) Variable 3.2 in. x 2.0 in. to 5.0 in. (81.3 mm x 50 mm to 125 mm) with 3x tine holders.	57.5-in. (152.4 cm) Up to 4 in. (100 mm) Variable 2.4 in. x 2.0 in. to 5.0 in. (61 mm x 51 mm to 127 mm) Variable 3.2 in. x 2.0 in. to 5.0 in. (81.3 mm x 50 mm to 125 mm) with 3x tine holders.	77.5-in. (190.6 cm) Up to 4 in. (100 mm) Variable 2.4 in. x 2.0 in. to 5.0 in. (61 mm x 51 mm to 127 mm) Variable 3.2 in. x 2.0 in. to 5.0 in. (81.3 mm x 50 mm to 125 mm) with 3x tine holders.
<b>PRODUCTIVITY:</b> 1.4 in. x 1.4 in. (36mm x 56mm) 2.0 in. x 2.0 in. (50mm x 50mm) 2.0 in. x 2.6 in. (50mm x 65mm) 2.0 in. x 3.0 in. (50mm x 75mm) 2.4 in. x 2.0 in. (30mm x 50mm) 2.4 in. x 2.5 in. (30mm x 64mm) 2.4 in. x 3.0 in. (30mm x 76mm) 2.4 in. x 4.0 in. (30mm x 101mm) 2.4 in. x 4.5 in. (30mm x 111mm) 2.4 in. x 5.0 in. (30mm x 127mm)	11,025 sq. ft./hr. (1024 sq. m/hr) 15,750 sq. ft./hr. (1440 sq. m/hr.) 20,710 sq. ft./hr. (1933 sq. m/hr.) 22,835 sq. ft./hr. (2123 sq. m/hr.)	20,013 sq. ft./hr. (1,859 sq. m/hr) 25,016 sq. ft./hr. (2,324 sq. m/hr) 30,020 sq. ft./hr. (2,789 sq. m/hr) 40,026 sq. ft./hr. (3,718 sq. m/hr) 45,030 sq. ft./hr. (4,069 sq. m/hr) 50,033 sq. ft./hr. (4,648 sq. m/hr)	30,020 sq. ft./hr. (2,789 sq. m/hr) 37,525 sq. ft./hr. (3,486 sq. m/hr) 45,030 sq. ft./hr. (4,183 sq. m/hr) 60,039 sq. ft./hr. (5,578 sq. m/hr) 67,544 sq. ft./hr. (6,282 sq. m/hr) 75,049 sq. ft./hr. (6,972 sq. m/hr)	40,026 sq. ft./hr. (3,722 sq. m/hr) 50,033 sq. ft./hr. (4,653 sq. m/hr) 60,040 sq. ft./hr. (5,584 sq. m/hr) 80,053 sq. ft./hr. (7,445 sq. m/hr) 90,059 sq. ft./hr. (8,376 sq. m/hr) 100,066 sq. ft./hr. (9,306 sq. m/hr)
Weight Height Width Length Manufacturer Horsepower Cycle Displacement Fuel Capacity Fuel Mixture Ignition Air Filter Starter Transmission (Coring) Transmission (Transport) Coring Swath Coring Head Drive Lift System	1,367 lb. (620 kg) 39 in. (990 mm) 58 in. (1,473 mm) 84 in. (2,134 mm) Kohler Command 18 hp 25 hp (18.6 kW)* 4 44.2 cu. in. (725 cc) 5 U.S. gal. (18.9 L) Regular-Unleaded, Leaded Solid State 1 dual element Electric/Solenoid 1st, 2nd, 3rd and, 4th gear Transport 3.5 mph (4.5 km/h) 31.5-in. (800.1 mm) Matched dual v-belts Electro-hydraulic, electric pump, single hydraulic actuator	865 lb. (392 kg) 39 in. (990 mm) 45.7 in. (1,160 mm) 33 in. (845 mm)	1,100 lb. (499 kg) 39 in. (990 mm) 65.5 in. (1,662 mm) 33 in. (845 mm)	1,728 lb. (772 kg) 39 in. (990 mm) 85.7 in. (2,177 mm) 33 in. (845 mm)

#### TINE SIZES FOR ALL:

Tubular	1 in. (25.4 mm) 3/4 in. (19 mm) 5/8 in. (16 mm) 1/2 in. (12.7 mm) 3/8 in. (10 mm)
Open Side	1 in. (25.4 mm) 7/8 in. (22.23 mm) 13/16 in. (20.64 mm) 3/4 in. (19 mm) 5/8 in. (16 mm) 1/2 in. (12.7 mm) 3/8 in. (10 mm) 1/4 in. (6.35 mm)
Solid *	5/8 in. (16 mm) 3/8 in. (9.5 mm)

\* Cross with 1/2-in. (12.7 mm) rib and Super cross with 3/4-in. (19 mm) 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: 6 gpm (23 Lpm), 2,000 psi (13.8 mPa) (min. continuous)	600-lb. towing capacity and 12-volt electrical system
Gathering Width	48 in. (121.9 cm)	48 in. (121.9 cm)
Hopper Capacity	25 cu. ft. (0.71 cubic meters)	
Hitch	Attaches with std. 3/4 in. (19 mm) hitch pin	Attaches with standard 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 / 1,500-1,600 rpm blade speed
Rollers	Brush aggressiveness & flotation controlled by 6 in. (15.24 cm) dia. full width roller behind rotary brush. Roller height adjustable 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
Tires	26.5x14x12	Two 18x 8.5-8 4-ply turf tires
<b>DIMENSIONS:</b>		
Height	64 in. (162.5 cm) - lowered, 145 in. (368 cm) - raised	32 in. (812.8 mm)
Length	138 in. (350.5 cm)	96 in. (2438.4 mm) includes tongue
Width	94 in. (238.7 cm)	75 in. (1905 mm)
Weight	1,250 lb. (578 kg)	580 lb.
Dump Height Clearance	49 in. (120 cm)	
Controls		Engagement of the clutch is done from the operator's station
Engine Manufacturer		Kohler Command Pro 12 hp* (8.9 kW)
Tire Pressure		10-12 psi (69-83 kpa)
Brush		Eight-section polyester bristle
Brush Adjustments		Adjusted by height adjustment cranks on both sides of unit



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\* Engine hp is provided by engine manufacturer for comparison purposes only. Actual operating hp will be less.

