

# 220 E-Cut Hybrid

WALK GREENS MOWER



Stay ahead of  
any curve.

# Steers through the clean-up cut.

**The 220 E-Cut Hybrid.** With a full-contouring QA5 cutting unit that freely moves to follow curves, the 220 E-Cut Hybrid makes the clean-up cut as easy as mowing the rest of the green. And that's not the only way it keeps your crew ahead. New Quick Adjust reel's height

of cut can be set in seconds. A simple dial changes the frequency of clip, so you can tailor greens speed on each hole. And backlapping is a cinch with its integrated electric mower. You can easily do it every day. Ask your John Deere Golf distributor for details.

## 220 E-Cut Hybrid Walk Greens Mower

### Engine

Type	Honda, air-cooled, GX120
Cycle	4-cycle
Bore and stroke, in. (mm)	2.36-in x 1.73-in (60 x 44 mm)
Piston displacement, cc	118 cc
Compression ratio	8:05:01
Horsepower, hp (kW)	3.5 hp (2.6 kW)
Direction of rotation of output shaft	Counterclockwise viewed from shaft side
Inclination limit	Tilted up to 20 degrees in any direction
Idle speed at output shaft, rpm	1,300 rpm
Maximum speed at output shaft, rpm	3100 rpm

### Fuel

Type	Regular grade unleaded or leaded
Tank capacity, U.S. qt. (l)	2.7 US qt (2.5 L)

### Oil

Type	SAE30 or SAE 10W-30
Capacity, U.S. qt. (l)	0.6 US qt (0.57 L)
Differential drive capacity, U.S. pt. (l)	0.7 US pts (0.35 L)

### Cutting Equipment

Cutting width	Quick Adjust QA5 22-in (55.9 cm)
Cutting height (minimum), in. (cm)	---
Standard - 3.0 mm bedknife, in. (mm)	1/8-in (3.2 mm) - standard
Optional - 2.5 mm bedknife, in. (mm)	7/64-in (2.8 mm)
Optional - 2.0 mm bedknife, in. (mm)	5/64-in (2.0 mm)
Optional - tee bedknife, in. (mm)	N/A
Frequency of clip standard, in. (mm)	Variable with 5 settings .162, .180, .220, 380, .480 (4.11, 4.57, 5.59, 9.65, 12.1)

### Reel

Diameter, in. (mm)	5-in (127 mm)
Number of blades	11 blade
Material	Heat-treated chromium molydenum steel
Bedknife - standard, in. (mm)	0.118-in (3.0 mm) thick x 22-in (56.0 cm) long

### Rotary Brush and Greens Tender Conditioner (Optional)

Brush	Interlocked w/ reel, rotation in reverse direction; 2-3/8-in (60 mm) diameter nylon
GTC cutter blades	Specially hardened carbon tool steel; star shaped; 2-3/8-in (60 mm) diameter, 75 blades
Adjustable brush or cutter height, in. (mm)	13/32-in (10 mm) below to 5/8-in (16 mm) above cut
Gear drive	Gear driven from reel shaft, opposite direction of reel, rotation powers brush or greens tender condition

### Grass Catcher

Size, lb. (kg)	7-lb (3.2 kg)
Type	Polyethylene

### Clutches

Transport	Belt tension
Reel jaw-type clutch	On/off
Brush/GTC jaw-type clutch	On/off
Traction drum	Dual, aluminum, traction

### Traveling Device

Forward speed, mph (km/h)	5.2 mph (8.4 km/h) with transport wheels @3500 engine rpm
Roller (rear), in. (mm)	Aluminum, 7.5-in (190 mm) diameter
Roller (front) (grooved or smooth), in. (mm)	Machined steel, 2-3/8-in (60 mm) diameter (for cutting height adjustment)

### Certificate

Type	ANSI B71.4-2004
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\* Engine hp is provided by engine mfr. for comparison purposes only. Actual operating hp will be less.

## Follow every curve.



- 1. Fully floating head.** Unlike conventional walk greens mowers, you can steer through a curve instead of pushing through tough corners.
- 2. A level cut.** Forward-mounted pivot point eliminates most of the operator influence on the cutting plane.
- 3. Straighter tracking.** Chain drive on both sides of the rear drum results in the straightest possible tracking.
- 4. New Quick Adjust reel.** Just use a power drill to simultaneously adjust height on both sides.



**On-board adjustable frequency of clip.** Change the frequency of clip with a simple dial.

**Easier backlapping.** Motor can run reels in reverse. No need to remove reel or attach a separate motor.



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