E X C A V A T O R

190E

JOHN DEERE

Quadtronics...our engine/hydraulic management system automatically matches hydraulic output to engine output. The result is smooth, efficient operation and lower fuel bills. Adjust engine speed by touching one of the top buttons or select one of four preselected speeds with the four buttons below. Hydraulic warm-up modes and the auto idle are also controlled by the touch of a button. To select one of three travel speeds, touch one of the bottom buttons. Now, you can regulate machine performance to match both the job and your own operating style. Just select the right mode and Quadtronics takes over.

Fits you like a well-broken-in pair of jeans. Cloth-covered, fully adjustable suspension seat is designed to conform to your "personal specifications." Adjust the bottom slide until your feet rest comfortably on the pedals. Then, adjust the top slide so that your arms are supported by the armrests when your hands are on the control levers. The controllers also have an independent height adjustment. On nice days, move the upper window up and out of the way. For maximum ventilation, install the lower windshield tin storage position, open the roof vent, and slide open the left- and right-side windows.

Low-effort hydraulic controls are pilot operated for precise metering and smooth operation. To save fuel, the auto-idle feature lowers engine speed to 1,300 rpm when a hydraulic function is not used for four seconds. The engine automatically resumes its preselected speed as soon as you move the control lever.

Sight lines are unobstructed. The "bent" front window and the low profile door window give you a great look at the trench. The standard, dual rearview mirrors give a panoramic view of the world behind you.

LIFT CAPACITIES

Boldface italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings at bucket lift hook, machine equipped with 18-in. (450 mm) shoes; 0.36-cu. yd. (0.28 m³), 30-in. (760 mm), 462-lb. (210 kg) bucket; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Load Point	5 ft. (1.52 m)		10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)	
Height	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With standard one-piece boom, 5 ft. 4 in. (1.62 m) arm, and no blade								
15 ft. (4.57 m)			***2,668 (1210)***	***2,668 (1210)***				
10 ft. (3.05 m)			***3,845 (1744)***	***3,845 (1744)***	***2,971 (1348)***	2,530 (1148)		
5 ft. (1.52 m)			5,336 (2420)	4,432 (2010)	2,808 (1274)	2,372 (1076)		
Ground Line			5,031 (2282)	4,146 (1880)	2,667 (1210)	2,237 (1015)		
–5 ft. (–1.52 m)	***7,758 (3519)***	***7,758 (3519)***	5,010 (2273)	4,126 (1872)	2,631 (1193)	2,202 (999)		
–10 ft. (–3.05 m)			***5,132 (2328)***	4,286 (1944)				
With standard one-piece boom, 6 ft. 11 in. (2.12 m) arm, and no blade								
15 ft. (4.57 m)					***2,638 (1197)***	***2,638 (1197)***		
10 ft. (3.05 m)			***3,009 (1365)***	***3,009 (1365)***	***2,909 (1320)***	2,611 (1184)		
5 ft. (1.52 m)			***5,493 (2492)***	4,618 (2095)	2,875 (1304)	2,437 (1105)	1,753 (795)	1,473 (668)
Ground Line			5,102 (2314)	4,212 (1911)	2,704 (1227)	2,272 (1031)		
–5 ft. (–1.52 m)	***6,483 (2941)***	***6,483 (2941)***	4,998 (2267)	4,115 (1867)	2,627 (1192)	2,198 (997)		
–10 ft. (–3.05 m)	***10,405 (4720)***	***10,405 (4720)***	5,090 (2309)	4,201 (1906)				
With offset boom, 5 ft. 4 in. (1.62 m) arm, and no blade								
15 ft. (4.57 m)			***2,756 (1250)***	***2,756 (1250)***				
10 ft. (3.05 m)			***3,803 (1725)***	***3,803 (1725)***	2,935 (1331)	2,466 (1119)		
5 ft. (1.52 m)					2,642 (1198)	2,183 (990)		
Ground Line					2,389 (1084)	1,939 (880)		
–5 ft. (–1.52 m)			4,468 (2027)	3,567 (1618)	2,318 (1051)	1,871 (849)		
–10 ft. (–3.05 m)			***4,384 (1989)***	3,834 (1739)				
With standard one-piece boom, 5 ft. 4 in. (1.62 m) arm, and blade								
15 ft. (4.57 m)			***2,668 (1210)***	***2,668 (1210)***				
10 ft. (3.05 m)			***3,845 (1744)***	***3,845 (1744)***	3,084 (1399)	2,696 (1223)		
5 ft. (1.52 m)			5,536 (2511)	4,717 (2140)	2,920 (1324)	2,538 (1151)		
Ground Line			5,231 (2373)	4,430 (2009)	2,780 (1261)	2,403 (1090)		
–5 ft. (–1.52 m)	***7,758 (3519)***	***7,758 (3519)***	5,209 (2363)	4,411 (2001)	2,744 (1245)	2,368 (1074)		
–10 ft. (–3.05 m)			***5,132 (2328)***	4,571 (2073)				
With standard one-piece boom, 6 ft. 11 in. (2.12 m) arm, and blade								
15 ft. (4.57 m)					***2,638 (1197)***	***2,638 (1197)***		
10 ft. (3.05 m)			***3,009 (1365)***	***3,009 (1365)***	***2,909 (1320)***	2,777 (1260)		
5 ft. (1.52 m)			***5,493 (2492)***	4,902 (2224)	2,987 (1355)	2,603 (1181)	1,831 (831)	1,590 (721)
Ground Line			5,301 (2405)	4,496 (2039)	2,816 (1277)	2,438 (1106)		
–5 ft. (–1.52 m)	***6,483 (2941)***	***6,483 (2941)***	5,197 (2357)	4,399 (1995)	2,739 (1242)	2,364 (1072)		
–10 ft. (–3.05 m)	***10,405 (4720)***	***10,405 (4720)***	5,290 (2400)	4,486 (2035)				
With offset boom, 5 ft. 4 in. (1.62 m) arm, and blade								
15 ft. (4.57 m)			***2,756 (1250)***	***2,756 (1250)***				
10 ft. (3.05 m)			***3,803 (1725)***	***3,803 (1725)***	3,048 (1383)	2,631 (1193)		
5 ft. (1.52 m)					2,755 (1250)	2,349 (1066)		
Ground Line					2,502 (1135)	2,105 (955)		
–5 ft. (–1.52 m)			4,667 (2117)	3,851 (1747)	2,431 (1103)	2,037 (924)		
–10 ft. (–3.05 m)			***4,384 (1989)***	4,119 (1868)				

BUCKETS

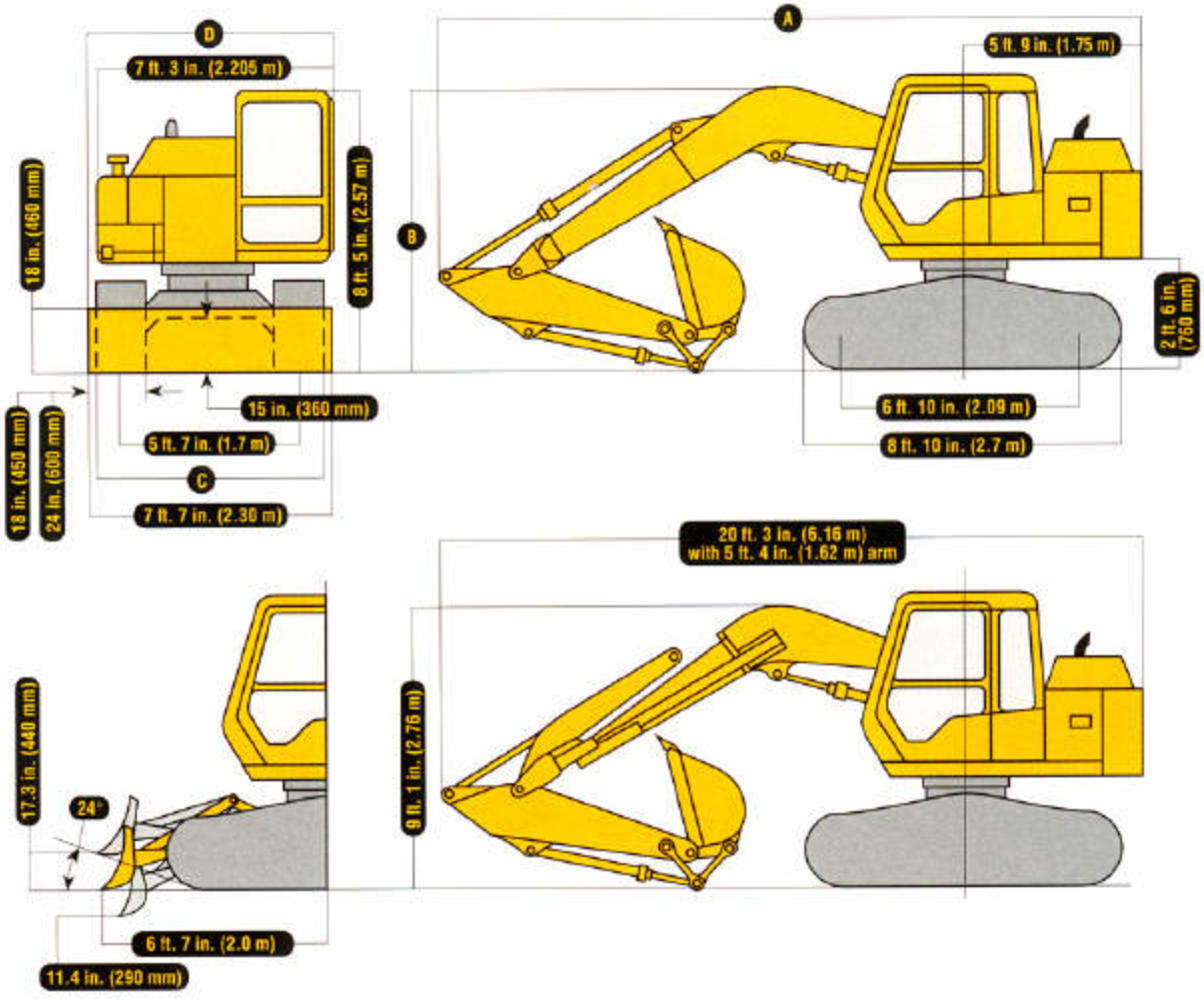
A full line of buckets is offered to meet a wide variety of applications. Tooth selection includes either the John Deere Fanggs® tooth or Tiger, Twin Tiger, Flare, Star, or Long Rock tooth. Replaceable cutting edges are available through John Deere parts.

Type Bucket	Bucket Width		Bucket Capacity*		Weight		Bucket Dig Force		Arm Dig Force 5 ft. 4 in. (1.62 m)		Arm Dig Force 6 ft. 11 in. (2.12 m)		Bucket Tip Radius		No. Teeth
	in.	mm	cu. yd.	m³	lb.	kg	lb.	kN	lb.	kN	lb.	kN	in.	mm	
Heavy-Duty	18	460	0.18	0.14	376	171	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	4
Plate Lip	24	610	0.27	0.21	450	204	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	5
	30	760	0.36	0.28	462	210	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	6
	36	915	0.45	0.34	484	220	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	7
	42	1065	0.65	0.50	509	231	11,185	49.8	8,500	37.8	7,190	32.0	39.0	991	8
Ditching	42	1065	0.53	0.41	472	214	12,465	55.4	8,845	39.3	7,435	33.1	35.0	889	0
	48	1220	0.60	0.46	492	223	12,465	55.4	8,845	39.3	7,435	33.1	35.0	889	0
	60	1525	0.75	0.57	564	256	12,465	55.4	8,845	39.3	7,435	33.1	35.0	889	0

*All capacities are SAE heaped ratings.

DIMENSIONS

- **A** With 5 ft. 4 in. (1.62 m) arm ..... 19 ft. 11 in. (6.08 m)
  With 6 ft. 11 in. (2.12 m) arm ..... 20 ft. 1 in. (6.12 m)
- **B** With 5 ft. 4 in. (1.62 m) arm ..... 8 ft. 5 in. (2.57 m)
  With 6 ft. 11 in. (2.12 m) arm ..... 9 ft. 4 in. (2.85 m)
- **C** With 18-in. (450 mm) triple semi-grouser shoes ..... 7 ft. 1 in. (2.15 m)
  With 24-in. (600 mm) triple semi-grouser shoes ..... 7 ft. 7 in. (2.30 m)
- **D** With 18-in. (450 mm) triple semi-grouser shoes
  No blade ..... 7 ft. 6 in. (2.28 m)
  With blade ..... 7 ft. 9 in. (2.36 m)
  With 24-in. (600 mm) triple semi-grouser shoes
  No blade ..... 7 ft. 9 in. (2.36 m)
  With blade ..... 7 ft. 9 in. (2.36 m)

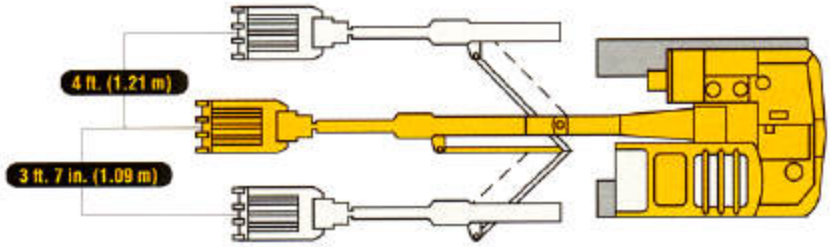


DIMENSIONS FOR OFFSET BOOM

With 5 ft. 4 in. (1.62 m) arm (not available with long arm)

	With No Boom Offset	*With Offset To Left 3 ft. 7 in. (1.09 m)*	*With Offset To Right 4 ft. 0 in. (1.21 m)*
Maximum digging depth*	13 ft. 7 in. (4.15 m)	12 ft. 2 in. (3.70 m)	12 ft. 2 in. (3.70 m)
Maximum digging depth with 8-ft. (2.44 m) flat bottom*	12 ft. 2 in. (3.70 m)	10 ft. 10 in. (3.31 m)	10 ft. 10 in. (3.31 m)
Maximum reach @ ground level	20 ft. 3 in. (6.16 m)	18 ft. 8 in. (5.70 m)	18 ft. 8 in. (5.70 m)
Maximum dumping height	16 ft. 8 in. (5.07 m)	15 ft. 6 in. (4.72 m)	15 ft. 6 in. (4.72 m)
Maximum cut outside of track with 18-in. (450 mm) triple semi-grouser shoes and 0.36-cu. yd. (0.28 m³), 30-in. (750 mm), 462-lb. (210 kg) bucket	18.5 in. (470 mm)		21.5 in. (546 mm)

*Maximum digging depth will be less in applications where offset boom interferes with edge of trench.



CAPACITIES

190E

Fuel tank	35.7 gal. (135 L)
Cooling system	11.8 qt. (11.2 L)
Engine lubrication, including filter	9 qt. (8.5 L)
Hydraulic system	17.5 gal. (66.2 L)
Planetary propel drive (each)	2.4 qt. (2.3 L)
Swing drive	1.5 qt. (1.4 L)

OPERATING WEIGHTS

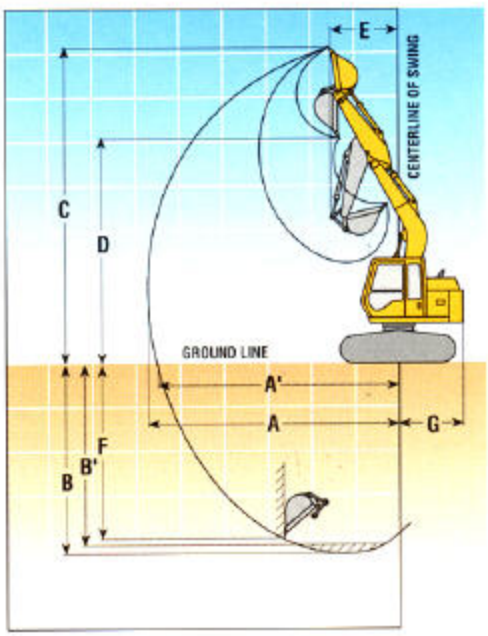
With full fuel tank; 175-lb. (79 kg) operator; blade; offset boom; counterweight for offset boom; 24-in. (600 mm) triple semi-grouser shoes; 5-ft. 4-in. (1.62 m) arm; and 0.36-cu. yd. (0.28 m³), 30-in. (760 mm), 462-lb. (210 kg) bucket	16,300 lb. (7394 kg)

COMPONENT WEIGHTS

Undercarriage equipped with triple semi-grouser shoes	
18-in. (450 mm)	
Without blade	4,938 lb. (2240 kg)
With blade	5,776 lb. (2620 kg)
24-in. (600 mm) (add)	357 lb. (162 kg)
Without blade	5,291 lb. (2400 kg)
With blade	6,129 lb. (2780 kg)
Upperstructure for standard one-piece boom with full fuel tank (less 1,213-lb. [550 kg] counterweight and front attachments)	5,519 lb. (2503 kg)
Upperstructure for offset boom with full fuel tank (less 1,323-lb. [600 kg] counterweight and front attachments)	5,519 lb. (2503 kg)
Standard one-piece boom (with boom and arm cylinders)	1,076 lb. (488 kg)
Offset boom (with boom and arm cylinders)	2,185 lb. (991 kg)
Boom cylinder only	196 lb. (89 kg)
Arm with bucket cylinder and linkage	
5 ft. 4 in. (1.62 m)	507 lb. (230 kg)
6 ft. 11 in. (2.12 m)	580 lb. (263 kg)
Leveling blade	838 lb. (380 kg)
Counterweight only	
For standard one-piece boom	1,213 lb. (550 kg)
For offset boom	1,323 lb. (600 kg)
0.36-cu. yd. (0.28 m³), 30-in. (760 mm) bucket	462 lb. (210 kg)

OPERATING INFORMATION

	Arm Length 5 ft. 4 in. (1.62 m)	*Arm Length 6 ft. 11 in. (2.12 m)*
Arm force with 0.36-cu. yd. (0.28 m³), 30-in. (760 mm), 462-lb. (210 kg) heavy-duty bucket	8,500 lb. (37.8 kN)	7,190 lb. (32.0 kN)
Bucket tangential force with 0.36-cu. yd. (0.28 m³), 30-in. (760 mm), 462-lb. (210 kg) heavy-duty bucket	11,185 lb. (49.8 kN)	11,185 lb. (49.8 kN)
Lifting capacity over front @ ground level 15-ft. (4.57 m) reach	2,780 lb. (1261 kg)	2,816 lb. (1277 kg)
A Maximum reach	20 ft. 8 in. (6.31 m)	22 ft. 4 in. (6.80 m)
A' Maximum reach @ ground level	20 ft. 3 in. (6.16 m)	21 ft. 10 in. (6.66 m)
B Maximum digging depth	13 ft. 7 in. (4.15 m)	15 ft. 3 in. (4.66 m)
B' Maximum digging depth @ 8-ft. (2.44 m) flat bottom	12 ft. 6 in. (3.8 m)	14 ft. 4 in. (4.37 m)
C Maximum cutting height	23 ft. 5 in. (7.15 m)	24 ft. 9 in. (7.55 m)
D Maximum dumping height	16 ft. 8 in. (5.07 m)	17 ft. 11 in. (5.47 m)
E Minimum front swing radius	5 ft. 7 in. (1.70 m)	6 ft. 9 in. (2.06 m)
F Maximum vertical wall	11 ft. 6 in. (3.50 m)	13 ft. 4 in. (4.06 m)
G Tail swing radius	5 ft. 9 in. (1.75 m)	5 ft. 9 in. (1.75 m)



ENGINE

It's John Deere-engineered and manufactured. Replaceable wet-type cylinder liners are spun cast and machined for uniform wall thickness to assure even heat dissipation. Piston spray cooling contributes to long component life. A dynamically-balanced crankshaft assures smooth operation.

Engine: John Deere 4039D

Rated power at 2,200 rpm	55 SAE net hp (41 kW)
	60 SAE gross hp (45 kW)
Cylinders	4
Displacement	239 cu. in. (3.9 L)
Maximum net torque at 1,400 rpm	153 lb.-ft. (207 Nm)
Fuel consumption, typical	0.8 to 1.8 gal./hr. (3 to 7 L/h)
Cooling fan	suction-type viscous drive
Electrical system	24-volt w/45-amp alternator
Batteries (two 12 volt)	reserve capacity: 180 min.

HYDRAULIC SYSTEM

The 190E uses an open center hydraulic system with two variable displacement pumps delivering 50 gpm (189 L/min.) for fast, smooth cycles. This highly-advanced system uses an independent, cross-sensing regulator for each of its two pumps. This two pump, two regulator system lets the operator make the best use of available horsepower by automatically adjusting hydraulic flow to the changing system requirements.

Main pumps	two variable-displacement axial piston
Maximum rated flow	2 x 25.0 gpm (2 x 94.6 L/min.)
Pilot pump	one gear
Maximum rated flow	6.2 gpm (23.5 L/min.)
Pressure setting	640 psi (4415 kPa)
System operating pressure	
Implement circuits	3,770 psi (26 000 kPa)
Travel circuits	3,980 psi (27 444 kPa)
Swing circuits	4,120 psi (28 406 kPa)
Oil filtration	
One 10 micron full-flow return filter with bypass	
One pilot oil filter	
One suction filter	
Dozer blade pump (optional)	one gear
Crossover relief valve:	
Blade	2,775 psi (19 140 kPa)
Maximum oil flow	6.2 gpm (23.5 L/min.)

Cylinders	Bore	Rod Diameter	Stroke
Boom (1)	4.53 in. (115 mm)	2.56 in. (65 mm)	34.8 in. (885 mm)
Arm (1)	3.74 in. (95 mm)	2.36 in. (60 mm)	35.4 in. (900 mm)
Bucket (1)	3.35 in. (85 mm)	2.17 in. (55 mm)	28.7 in. (730 mm)

SWING MECHANISM

Planetary reduction gearing is driven by an axial-piston, high-torque hydraulic motor. Ring and pinion gears are induction hardened for long life. The multiple, wet-disk swing brake is spring applied, hydraulically released. The single-row, 98-ball swing bearing is sealed top and bottom.

Swing speed	0–15 rpm

UNDERCARRIAGE

Heavy-duty rollers and chain are designed to stand up to the side-to-side stress of excavator work. The strong box-section track frame comes with a track guide at the front idler location. The track frames are welded to the center section to eliminate any need for periodic tightening and are designed to resist the buildup of mud and debris.

Carrier rollers (per side)				1
Track rollers (per side)				5
Idlers (per side)				1
Shoes, triple semigrouser (per side)				37
Track guides				front
Track adjustment				hydraulic
Travel speed		Low	Medium	High
	mph	0–1.6	0–2.0	0–3.1
	km/h	(0–2.5)	(0–3.3)	(0–5.0)
Drawbar pull				10,360 lb. (46.0 kN)
Tractive gradability				84% (40 deg.)
Off-level operating limit for oil sump				100% (45 deg.)

Ground Pressure Data

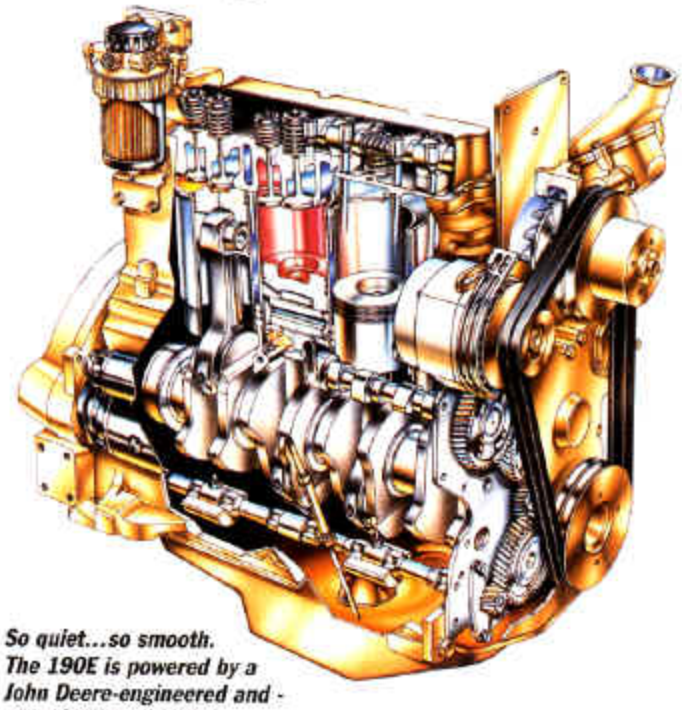
Shoe Width/ Grouser	Average Ground Pressure	Recommended Application
Standard One-Piece Boom Without Dozer Blade:		
18 in./triple (450 mm)	3.49 psi (24.1 kPa)	Rocky terrain and stumps
24 in./triple (600 mm)	2.69 psi (18.5 kPa)	General/soft terrain
Standard One-Piece Boom With Dozer Blade:		
18 in./triple (450 mm)	3.70 psi (25.5 kPa)	Rocky terrain and stumps
24 in./triple (600 mm)	2.84 psi (19.6 kPa)	General/soft terrain
Offset Boom Without Dozer Blade:		
18 in./triple (450 mm)	3.73 psi (25.7 kPa)	Rocky terrain and stumps
24 in./triple (600 mm)	2.86 psi (19.7 kPa)	General/soft terrain
Offset Boom With Dozer Blade:		
18 in./triple (450 mm)	3.94 psi (27.2 kPa)	Rocky terrain and stumps
24 in./triple (600 mm)	3.02 psi (20.8 kPa)	General/soft terrain

CAPACITIES

Fuel tank	35.7 gal. (135 L)
Cooling system	11.8 qt. (11.2 L)
Engine lubrication, including filter	9 qt. (8.5 L)
Hydraulic tank	17.5 gal. (66.2 L)
Planetary propel drive (each)	2.4 qt. (2.3 L)
Swing drive	1.5 qt. (1.4 L)

OPERATING WEIGHTS

Weights	lb.	kg
Standard operating weight w/blade, offset boom, counterweight for offset boom, 24-in. (600 mm) shoes, 5 ft. 4 in. (1.62 m) arm, 0.36 cu. yd. (0.28 m³) bucket, full fuel tank and 175-lb. (79 kg) operator	16,300	7394
Upperstructure for standard one-piece boom w/full fuel tank (less 1,213 lb. (550 kg) counterweight and front attachments)	5,519	2503
Upperstructure for offset boom w/full fuel tank (less 1,323 lb. (600 kg) counterweight and front attachments)	5,519	2503
Undercarriage:		
w/18-in. (450 mm) track shoes, w/o blade	4,938	2240
w/18-in. (450 mm) track shoes, w/blade	5,776	2620
w/24-in. (600 mm) track shoes, w/o blade	5,291	2400
w/24-in. (600 mm) track shoes, w/blade	6,129	2780
w/24-in. (600 mm) track shoes (add)	357	162
Standard one-piece boom w/boom and arm cylinders	1,076	488
Offset boom w/boom and arm cylinders	2,185	991
Boom cylinder only	196	89
5 ft. 4 in. (1.62 m) arm w/bucket cylinder	507	230
6 ft. 11 in. (2.12 m) arm w/bucket cylinder	580	263
Leveling blade (add)	838	380
Counterweight only (with standard one-piece boom)	1,213	550
Counterweight only (with offset boom)	1,323	600
Bucket, 0.36 yd.³ (0.28 m³)	462	210



So quiet...so smooth. The 190E is powered by a John Deere-engineered and -manufactured engine. Replaceable wet-type cylinder liners are spun cast and machined to assure even heat dissipation. The dynamically balanced crankshaft is another reason why John Deere engines have a great reputation for smooth, quiet operation and long life.

Daily service is fast and easy. Sight glasses and fill-points for fuel and hydraulic oil are centrally located. Lockable service doors provide easy access to all components. Greasing hard-to-reach joints is a thing of the past with the remote lube bank.

Versatility starts here. We offer a full-line of 13 heavy-duty, general purpose, and ditching buckets. Heavy-duty reinforced top beams assure accurate ear alignment. Reinforcing provides maximum corner rigidity. T-1 steel side-cutters, two-piece moldboard, and heavy-duty wear strips are why John Deere buckets are known for strength and long life.

Hike your productivity with the Offset Boom option. Dig outside the overall machine width and beside, between, and around obstructions. The offset boom also changes from right-hand offset to left-hand offset in seconds.

This blade means business. The sturdy, hydraulic blade means faster backfilling and improved stability in uneven terrain.

	190E
ENGINE	
Auto-idle system	●
Batteries (two 12 volt), 180-min. (1,250 CCA) reserve capacity	●
Dual element dry-type air filter	●
Electric ether starting aid	●
Enclosed fan guard Conforms to SAE J1308	●
Engine coolant to -34°F (-37°C)	●
Fuel/water separator	●
Full-flow oil filter	●
Isolation mounted	●
John Deere quick release fuel filter	●
Key start switch with electric fuel shutoff	●
Radiator trash screen	●
Underhood muffler with vertical curved end exhaust stack	●
HYDRAULIC SYSTEM	
Auxiliary hydraulic valve section	●
Auxiliary pilot and electric controls	■
Controlled load lowering valves for boom down	■
Hydraulic filter restriction indicator kit	■
UNDERCARRIAGE	
Planetary drive	●
Propel motor shields	●
Three-speed propel with automatic shift	●
Track guides, front idler	●
Upper carrier roller	●
Triple semi-grouser shoes, 18 in. (450 mm)	■
Triple semi-grouser shoes, 24 in. (600 mm)	■
UPPERSTRUCTURE	
Right- and left-hand mirrors	●
Toolbox	●
Vandal locks with ignition key Cab door	●
Fuel cap	●
Hydraulic reservoir	●
Service doors	●
Toolbox	●
FRONT ATTACHMENTS	
Arm, 5 ft. 4 in. (1.62 m)	●
Arm, 6 ft. 11 in. (2.12 m)	■
Bucket-to-arm clearance adjustable bushing	●
Centralized lubrication system	●
Dirt seals on all bucket pins	●
Attachment quick couplers	■
Boom cylinder with plumbing to mainframe for no-boom-arm option	■
Buckets	■
Bucket teeth	■
Ditching	■
Heavy duty	■
Dozer blade	■
Laser depth systems	■
No-boom-arm option	■
Offset boom option	■
OPERATOR'S STATION	
Adjustable independent control positions (levers-to-seat, seat-to-pedals)	●
Alternate pilot control pattern	●
Deluxe cloth seat with armrests	●
Front windshield wiper	●
Constant speed	●
Intermittent speed	●
Gauges (illuminated)	●
Engine coolant	●
Fuel	●
Heater, 20,000 Btu/hr (5.9 kW) with blower fan	●
Horn, electric	●
Hourmeter, electric	●
Hydraulic warm-up control	●
Interior light	●
Mode selectors (illuminated)	●
Power modes – four	●
Travel modes – three with automatic shift	●
Monitor system with alarm features	●
Auto-idle indicator light	●
Engine air cleaner restriction indicator light	●
Engine coolant temperature indicator light with audible alarm	●
Engine oil pressure indicator light with audible alarm	●
Fluid level	●
Engine coolant level indicator light	●
Hydraulic oil level indicator light	●
Hydraulic warm-up indicator light	●
Low alternator charge indicator light	●
Low fuel indicator light	●
Work-lights-on indicator light	●
Motion alarm with cancel switch Conforms to SAE J994	●
Propel pedals and levers	●
Seat belt, 2 in. (51 mm)	●
Seat belt, 3 in. (76 mm)	■
Tinted glass	●
AM/FM radio	■
Defroster fan	■
Window vandal protection covers	■
24- to 12-volt D.C. radio convertors	■
ELECTRICAL	
Blade-type multi-fused circuits	●
By-pass start safety cover on starter	●
Positive terminal battery covers	●
LIGHTS	
Work lights	●
Halogen	●
One mounted on boom	●
One mounted on frame	●

KEY: ● Standard equipment ■ Optional or special equipment

See your John Deere dealer for further information.

THE JDAdvantEDGE

JDAdvantEdge is a wealth of support programs, parts systems, and dealer resources, all designed to give you the edge. This package of special benefits is a major reason why John Deere offers the "best value" for your equipment dollar.

Best parts support – Twelve regional parts depots in North America and others around the world put parts support near your job no matter where in the world it is.

A computerized FLASH™ parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast ... within 24 hours, across North America.

Best service backup – Dealer service technicians are regularly schooled, at our modern facility in Davenport, Iowa, or by professionals in the field, to diagnose quickly and repair efficiently.

If they're stumped, a phone call to DTAC (Dealer Technical Assistance Center) puts them in touch with a staff of pros at the factory who help them find a solution quickly.

Best dealers – Your John Deere dealer is an important contributor to the JDAdvantEdge. He or she is committed to being the best equipment supplier you can work with.

This is a dollars-and-cents commitment in parts inventory, in service facilities, in field-service trucks. It's a sweat-and-blood commitment in dedicated, skilled, and highly trained and motivated personnel in each and every department at the dealership.

But what sets John Deere dealers apart from all the rest is something more, a factor somewhat difficult to measure ... a caring attitude, and a sincere desire to be the best at meeting the needs of each individual customer.

John Deere Finance Plans – Whether you rent, lease, or buy John Deere equipment, your dealer can explain the John Deere options available. One-stop options that let you free up operating capital, keep other lines of credit open. More solid benefits of the JDAdvantEdge.

Best protection – In addition to the new equipment warranty that meets or exceeds the competition, SECURE® extended coverage, an optional service product for John Deere equipment, is available for repair coverage after the warranty concludes. Full machine or power train coverage is available for a variety of time periods to meet your needs. Consult your dealer for availability and details.

JOHN DEERE

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 62708. No derating is required up to 6,000 ft. (1800 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with PCSA and SAE standards. Except where otherwise noted, these specifications are based on a unit with 0.36-cu. yd. (0.28 m³), 30-in. (760 mm), 462-lb. (210 kg) bucket, 24-in. (600 mm) triple semi-grouser shoes, counterweight, 5-ft. 4-in. (1.62 m) arm, full fuel tank, 175-lb. (79 kg) operator, and standard equipment.

SAFETY live with it