

992D-LC EXCAVATOR SPECIFICATIONS

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 61-in. (1560 mm) bucket, full fuel tank, 175-lb. (80 kg) operator and standard equipment.

Rated Power @ 2100 rpm:	SAE	DIN 6270B
Net	265 hp (198 kW)	198
Gross	275 hp (205 kW)	

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6270B, using No. 2-D fuel @ 35 API gravity. No derating is required up to 10,000 ft. (3050 m) altitude. Gross power is without cooling fan.

Engine: John Deere 6619A

Type	Four-cycle, turbocharged, aftercooled diesel
Bore and stroke	5.12 x 5.00 in. (130 x 127 mm)
No. of cylinders	6
Displacement	619 cu. in. (10.145 L)
Maximum net torque @ 1300 rpm	862 lb-ft (1169 Nm) (119.2 kg-m)
Cooling fan	Suction
Compression ratio	15.2 to 1
Lubrication	Pressure system w/full-flow filter
Electrical system	24-volt
Batteries (2) 12-volt	Reserve capacity: 300 minutes

Hydraulic System: Open Center

Two variable-displacement axial-piston pumps with speed sensing controls and two control valves (5- and 4-spool) provide independent and combined operation of all functions. The 5-spool control valve has one spool for an auxiliary attachment function.

Main pumps	2 variable-displacement axial-piston
Minimum flow	2 x 21 gpm (2 x 80 L/min)
Max. oil flow	2 x 103 gpm (2 x 390 L/min)
Pilot pump	
Pressure setting	570 psi (3930 kPa) (40 kg/cm ²)
Max. oil flow	8.9 gpm (33.6 L/min)
System relief valves	
Travel: Low	4050 psi (27 920 kPa) (285 kg/cm ²)
High	4410 psi (30 405 kPa) (310 kg/cm ²)
Front end	4050 psi (27 920 kPa) (285 kg/cm ²)
Boom—heavy lift	4410 psi (30 405 kPa) (310 kg/cm ²)
Circuit relief valves	
Boom	4270 psi (29 420 kPa) (300 kg/cm ²)
Arm	4270 psi (29 420 kPa) (300 kg/cm ²)
Bucket	4270 psi (29 420 kPa) (300 kg/cm ²)
Swing	3840 psi (26 500 kPa) (270 kg/cm ²)
Cross-over relief valves	
Propel	4550 psi (31 370 kPa) (320 kg/cm ²)
Swing	3560 psi (24 550 kPa) (250 kg/cm ²)
Oil filtration:	
One suction filter	
Two 10-micron full-flow filter with bypass	
One 10-micron full-flow pilot filter with bypass	

Cylinders:	Bore	Rod Diameter	Stroke
Boom (2)	6.69 in. (170 mm)	4.53 in. (115 mm)	62.60 in. (1590 mm)
Arm (1)	7.48 in. (190 mm)	5.12 in. (130 mm)	76.38 in. (1940 mm)
Bucket (1)	6.69 in. (170 mm)	4.53 in. (115 mm)	52.17 in. (1325 mm)

Boom and bucket cylinders have built-in hydraulic cushions on the extension side only. The arm cylinder has a built-in hydraulic cushion at each end of the stroke. All cylinder rods are ground, heat-treated, chrome plated and polished.

Swing Mechanism:

Swing speed	0-10.2 rpm
Swing brake	Automatic, hydraulic lock
Turntable bearing	Single-row, shear-type ball bearing with induction-hardened, lubricated internal gear and pinion. 500-hour lube interval.

Undercarriage: Long

Propel motors (one for each track) Axial-piston, 2-speed hydraulic motors with planetary drives. Multiple-disk brakes automatically release while propelling and apply when stationary. Independent drive to each track permits counterrotation. Excavator track-type undercarriage with heavy-duty frame and all-welded and stress-relieved structure. Side frames bolted to track frame to allow for 2-position undercarriage width extend for operating, retract for transport position. Permanently lubricated track rollers and idlers with metal face seals.

Tracks:

Track chain	Sealed
Track adjustment	Hydraulic with shock absorbing recoil springs

Track Rollers and Shoes (each side):

Long undercarriage has three upper rollers, 10 lower rollers and 53 track shoes. Track shoes are induction-hardened rolled alloy with heat-treated connecting pins. Two lower track guides are provided.

Track Shoes:	Average Ground Contact	Average Ground Pressure
Width	Shoes	Pressure
30 in. (750 mm)	Triple grousers (72 077 cm ²)	8.7 psi (60.0 kPa) (.61 kg/cm ²)
36 in. (900 mm)*	Triple grousers (84 395 cm ²)	7.3 psi (50.3 kPa) (.51 kg/cm ²)

*Not recommended for rock, hard surface or forestry application.

Cab:

Steel, independent, shock mounted and soundproofed. Tinted safety glass windows. Front window can be stored. Side windows slide open for ventilation. Front window wiper. Pilot hydraulic system lockout for safety during operator entry and exit from the cab. Centralized monitoring with alarm system. 24-volt AM radio with speaker.

Seat:

Fully adjustable deluxe reclining seat with armrests.

Controls:

All hydraulic functions are controlled by low-effort hydraulic pilot controllers. Two short levers control swing, boom, arm and bucket functions. Right and left pedals control forward, reverse and counterrotation movements. A switch on the right-hand control panel selects the 2-speed propel mode.

Boom and Arm:

Welded, low-stress, full box-section design. Centralized lubrication system.

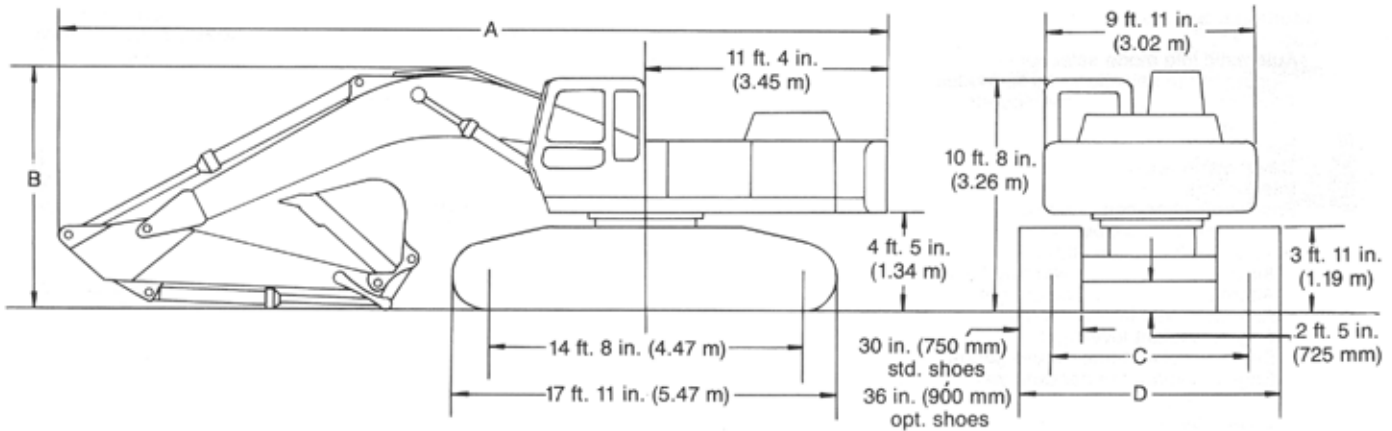
Servicing and Vandal Protection:

Non-slip steps and handrails allow easier servicing and maintenance. Easily accessible engine and hydraulic system covers. Machine covers, fuel cap, and cab door are lockable.

Capacities:

	U.S.	Liters
Fuel tank	145 gal.	550
Cooling system	36 qt.	34
Engine lubrication w/filter	36 qt.	34
Hydraulic system	132 gal.	500
Hydraulic reservoir	55 gal.	208
Planetary propel drive (ea. side)	9 qt.	8.5
Swing drive	5.6 qt.	5.3
Hydraulic pump drive	4.8 qt.	4.5

992D-LC EXCAVATOR SPECIFICATIONS AND DIMENSIONS



- A. W/short arm—38 ft. 11 in. (11.87 m)
 W/standard arm—38 ft. 7 in. (11.76 m)
 W/long arm—38 ft. 7 in. (11.76 m)
- B. W/short arm—11 ft. 8 in. (3.56 m)
 W/standard arm—11 ft. 3 in. (3.44 m)
 W/long arm—14 ft. 11 in. (4.54 m)

- C. Operate position—9 ft. 6 in. (2.89 m)
 Transport position—7 ft. 10 in. (2.39 m)

- D. W/30-in. (750 mm) shoes
 Operate position—11 ft. 11 in. (3.64 m)
 Transport position—10 ft. 4 in. (3.14 m)
- W/36-in. (900 mm) shoes
 Operate position—12 ft. 5 in. (3.79 m)
 Transport position—10 ft. 10 in. (3.29 m)

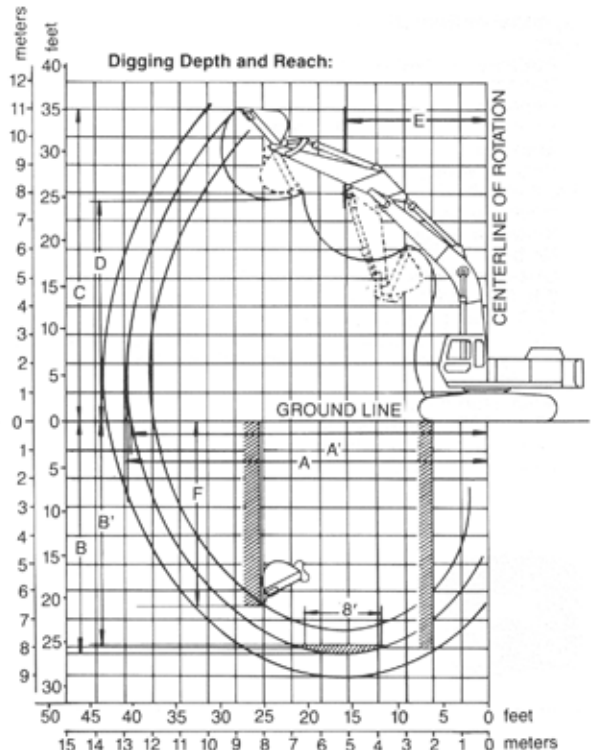
Weights:	lb.	kg
Operating weight with full fuel tank, 175-lb. (80 kg) operator, long undercarriage, 30-in. (750 mm) triple grouser shoes, 12 ft. 10 in. (3.9 m) arm, 2-3/8 cu. yd. (1.82 m ³) bucket	97,530	44 240
Upperstructure with counterweight and full fuel tank, less all front attachments	38,620	17 520
Undercarriage with:		
30-in. (750 mm) shoes	39,900	18 100
36-in. (900 mm) shoes	40,345	18 300
Boom, one piece, with two boom cylinders and arm cylinder	10,340	4690
Boom lift cylinders (2) without pins	1,960	890
Arm, short, 9 ft. 6 in. (2.9 m) w/bucket cylinder and linkage	4,920	2230
Arm, standard, 12 ft. 10 in. (3.9 m) w/bucket cylinder and linkage	5,270	2390
Arm, long, 16 ft. 1 in. (4.9 m) w/bucket cylinder and linkage	5,000	2270
Arm cylinder without pins	1,410	640
Bucket cylinder without pins and linkage	900	410
Counterweight	18,740	8500

Operating Information:	
Gradability	100% (45°)*
Drawbar pull	70,550 lb. (314 kN)
Tail swing clearance	137 in. (3.47 m)
Swing speed	10.2 rpm
Travel speed, (forward and reverse)	
—High	0-3.1 mph (0-5.0 km/h)
—Low	0-2.1 mph (0-3.4 km/h)

* Limited by the off-level capability of the engine

	ARM		
	Opt. Short	Standard	Opt. Long
Arm length	9 ft. 6 in. (2.90 m)	12 ft. 10 in. (3.9 m)	16 ft. 1 in. (4.9 m)
Arm force	45,200 lb. (201 kN) (20 500 kg)	35,300 lb. (157 kN) (16 000 kg)	30,900 lb. (137 kN) (14 000 kg)
Lifting capacity over front or rear @ ground level 20 ft. (6.1 m) reach	34,800 lb. (15 800 kg)	33,800 lb. (15 300 kg)	32,000 lb. (14 500 kg)

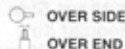
	ARM		
	Opt. Short	Standard	Opt. Long
A Max. reach	37 ft. 4 in. (11.39 m)	40 ft. 9 in. (12.43 m)	43 ft. 10 in. (13.35 m)
A' Max. reach @ ground level	36 ft. 7 in. (11.14 m)	40 ft. 0 in. (12.20 m)	43 ft. 1 in. (13.14 m)
B Max. digging depth	23 ft. 10 in. (7.27 m)	26 ft. 10 in. (8.19 m)	29 ft. 10 in. (9.09 m)
B' Max. digging depth @ 8 ft. (2.44 m) flat bottom	23 ft. 2 in. (7.06 m)	26 ft. 5 in. (8.05 m)	29 ft. 6 in. (8.98 m)
C Max. cutting height	32 ft. 11 in. (10.04 m)	36 ft. 3 in. (11.06 m)	38 ft. 5 in. (11.72 m)
D Max. dumping height	22 ft. 7 in. (6.89 m)	25 ft. 6 in. (7.76 m)	28 ft. 3 in. (8.6 m)
E Min. swing radius	16 ft. 7 in. (5.06 m)	16 ft. 2 in. (4.92 m)	16 ft. 4 in. (4.98 m)
F Max. vertical wall	14 ft. 3 in. (4.35 m)	22 ft. 11 in. (6.98 m)	27 ft. 6 in. (8.37 m)



992D-LC EXCAVATOR LIFT CAPACITIES

Ratings at bucket lift hook, machine equipped with 30-in. (750 mm) shoes, 2.75 cu. yd. (2.07 m³) SAE heaped bucket and standard counterweight, situated on firm, level, uniform supporting surface. **Boldface** type indicates hydraulic-limited capacities, lightface type indicates stability-limited capacities in lb. (kg). Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are with heavy lifting system. Lift capacity is increased 2 percent if machine is equipped with optional 36-in. (900 mm) triple grouser shoes.

Note: Upper No.: Without heavy-lift system activated
Lower No.: With heavy-lift system activated



Equipped with 9 ft. 6 in. (2.9 m) arm and 2.75 cu. yd. (2.07 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)				14600 (6620) 16500 (7480)	14600 (6620) 16500 (7480)	
20 ft. (6.10 m)				15100 (6850) 17100 (7760)	15100 (6850) 17100 (7760)	
15 ft. (4.57 m)	27200 (12 300) 30500 (13 800)	27200 (12 300) 30500 (13 800)	20100 (9120) 22600 (10 300)	20100 (9120) 22600 (10 300)	16900 (7670) 18100 (8210)	16900 (7670) 18100 (8210)
10 ft. (3.05 m)			24500 (11 100) 24500 (11 100)	24800 (11 200) 27900 (12 700)	17200 (7800) 17200 (7800)	19300 (8750) 21800 (9890)
5 ft. (1.52 m)			22900 (10 400) 22900 (10 400)	28900 (13 100) 32500 (14 700)	16300 (7390) 16300 (7390)	21700 (9840) 24500 (11 100)
Ground Line			22100 (10 000) 22100 (10 000)	31000 (14 100) 34800 (15 800)	15700 (7120) 15700 (7120)	23300 (10 600) 26300 (11 900)
- 5 ft. (-1.52 m)		35400 (16 100) 35400 (16 100)	41900 (19 000) 46600 (21 100)	21900 (9930) 21900 (9930)	15400 (6990) 15400 (6990)	23900 (10 800) 27000 (12 200)
- 10 ft. (-3.05 m)	41700 (18 900) 44200 (20 000)	41700 (18 900) 44200 (20 000)	35900 (16 300) 35900 (16 300)	38800 (17 600) 43400 (19 700)	22100 (10 000) 22100 (10 000)	29900 (13 600) 33600 (15 200)
- 15 ft. (-4.57 m)		33700 (15 300) 36700 (16 600)	33700 (15 300) 37900 (17 200)	22700 (10 300) 22700 (10 300)	26400 (12 000) 29700 (13 500)	15500 (7030) 15500 (7030)

Equipped with 12 ft. 10 in. (3.9 m) standard arm and 2.38 cu. yd. (1.82 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)					9800 (4450) 11000 (4990)	9800 (4450) 11000 (4990)
20 ft. (6.10 m)					13100 (5940) 14300 (6490)	13100 (5940) 14900 (6760)
15 ft. (4.57 m)				15100 (6850) 17100 (7760)	15100 (6850) 17100 (7760)	13900 (6310) 13900 (6310)
10 ft. (3.05 m)	31300 (14 200) 34900 (15 800)	31300 (14 200) 34900 (15 800)	22000 (9980) 24700 (11 200)	22000 (9980) 24700 (11 200)	17800 (8070) 18300 (8300)	17800 (8070) 20100 (9120)
5 ft. (1.52 m)	30600 (13 900) 32400 (14 700)	30600 (13 900) 32400 (14 700)	24300 (11 000) 24300 (11 000)	26800 (12 200) 30000 (13 600)	17200 (7800) 17200 (7800)	20500 (9300) 23100 (10 500)
Ground Line	28000 (12 700) 29800 (13 500)	28000 (12 700) 29800 (13 500)	23100 (10 500) 23100 (10 500)	30100 (13 700) 33800 (15 300)	16400 (7440) 16400 (7440)	22800 (10 300) 25600 (11 600)
- 5 ft. (-1.52 m)	17000 (7710) 18100 (8210)	17000 (7710) 18100 (8210)	35500 (16 100) 35500 (16 100)	38200 (17 300) 40500 (18 400)	22500 (10 200) 22500 (10 200)	31700 (14 400) 35500 (16 100)
- 10 ft. (-3.05 m)	32200 (14 600) 34100 (15 500)	32200 (14 600) 34100 (15 500)	35700 (16 200) 35700 (16 200)	42800 (19 400) 47800 (21 700)	22300 (10 100) 22300 (10 100)	31600 (14 300) 35400 (16 100)
- 15 ft. (-4.57 m)	49600 (22 500) 52500 (23 800)	49600 (22 500) 52500 (23 800)	36300 (16 500) 36300 (16 500)	39200 (17 800) 43900 (19 900)	22600 (10 300) 22600 (10 300)	29600 (13 400) 33200 (15 100)
- 20 ft. (-6.10 m)		32700 (14 800) 36800 (16 700)	32700 (14 800) 36800 (16 700)	23300 (10 600) 23300 (10 600)	25000 (11 300) 28100 (12 700)	16700 (7580) 16700 (7580)

Equipped with 16 ft. 1 in. (4.9 m) long arm and 1.78 cu. yd. (1.36 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)						7870 (3570) 8870 (4020)
20 ft. (6.10 m)						11500 (5220) 11500 (5220)
15 ft. (4.57 m)					12700 (5760) 14400 (6530)	12700 (5760) 14400 (6530)
10 ft. (3.05 m)				16100 (7300) 18100 (8210)	16100 (7300) 18100 (8210)	14400 (6530) 14400 (6530)
5 ft. (1.52 m)	35100 (15 900) 39200 (17 800)	35100 (15 900) 39200 (17 800)	24300 (11 000) 25900 (11 700)	24300 (11 000) 27200 (12 300)	18400 (8350) 18400 (8350)	19200 (8710) 21600 (9800)
Ground Line	36100 (16 400) 37300 (16 900)	36100 (16 400) 37300 (16 900)	24200 (11 000) 24200 (11 000)	28600 (13 000) 32000 (14 500)	17400 (7890) 17400 (7890)	21900 (9930) 24600 (11 200)
- 5 ft. (-1.52 m)	16500 (7480) 17600 (7980)	16500 (7480) 17600 (7980)	36100 (16 400) 36100 (16 400)	37400 (17 000) 39600 (18 000)	23200 (10 500) 23200 (10 500)	31300 (14 200) 35000 (15 900)
- 10 ft. (-3.05 m)	26200 (11 900) 27800 (12 600)	26200 (11 900) 27800 (12 600)	35900 (16 300) 35900 (16 300)	44800 (20 300) 49900 (22 600)	22800 (10 300) 22800 (10 300)	32300 (14 700) 36200 (16 400)
- 15 ft. (-4.57 m)	38500 (17 500) 40700 (18 500)	38500 (17 500) 40700 (18 500)	36100 (16 400) 36100 (16 400)	42900 (19 500) 47800 (21 700)	22800 (10 300) 22800 (10 300)	31700 (14 400) 35400 (16 100)
- 20 ft. (-6.10 m)	54600 (24 800) 58900 (26 700)	54600 (24 800) 58900 (26 700)	39600 (16 700) 39600 (16 700)	38400 (17 400) 43000 (19 500)	23200 (10 500) 23200 (10 500)	28900 (13 100) 32400 (14 700)
- 25 ft. (-7.62 m)		30200 (13 700) 33900 (15 400)	30200 (13 700) 33900 (15 400)	22600 (10 300) 24200 (11 000)	22600 (10 300) 25500 (11 600)	16600 (7530) 16600 (7530)

992D-LC EXCAVATOR LIFT CAPACITIES

Rated at bucket lift hook, machine equipped with 30-in. (750 mm) shoes, 2.75 cu. yd. (2.07 m³) SAE heaped bucket and standard counterweight, situated on firm, level, uniform supporting surface. **Boldface** type indicates hydraulic-limited capacities, lightface type indicates stability-limited capacities in lb. (kg). Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are with heavy lifting system. Lift capacity is increased 2 percent if machine is equipped with optional 36-in. (900 mm) triple grouser shoes.

Note: Upper No.: Without heavy-lift system activated
Lower No.: With heavy-lift system activated

○ OVER SIDE

○ OVER END

Equipped with 9 ft. 6 in. (2.9 m) arm and 2.75 cu. yd. (2.07 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)				14600 (6620) 16500 (7480)	14600 (6620) 16500 (7480)	
20 ft. (6.10 m)				15100 (6850) 17100 (7760)	15100 (6850) 17100 (7760)	
15 ft. (4.57 m)	27200 (12 300) 30500 (13 800)	27200 (12 300) 30500 (13 800)	20100 (9120) 22600 (10 300)	16900 (7670) 19100 (8660)	13000 (5900) 15400 (6990)	15400 (6990) 17500 (7940)
10 ft. (3.05 m)			24500 (11 100) 24500 (11 100)	24800 (11 200) 27900 (12 700)	17200 (7800) 19300 (8750) 21800 (9890)	12500 (5670) 16500 (7480) 18800 (8530)
5 ft. (1.52 m)			22900 (10 400) 22900 (10 400)	28900 (13 100) 32500 (14 700)	16300 (7390) 16300 (7390)	21700 (9840) 24500 (11 100)
Ground Line			22100 (10 000) 22100 (10 000)	31000 (14 100) 34800 (15 800)	15700 (7120) 15700 (7120)	23300 (10 600) 26300 (11 900)
- 5 ft. (- 1.52 m)	35400 (16 100) 35400 (16 100)	41900 (19 000) 46600 (21 100)	21900 (9930) 21900 (9930)	31300 (14 200) 35100 (15 900)	15400 (6990) 15400 (6990)	23900 (10 800) 27000 (12 200)
- 10 ft. (- 3.05 m)	41700 (18 900) 44200 (20 000)	41700 (18 900) 44200 (20 000)	38800 (17 600) 35900 (16 300)	22100 (10 000) 22100 (10 000)	29900 (13 600) 33600 (15 200)	15500 (7030) 15500 (7030)
- 15 ft. (- 4.57 m)		33700 (15 300) 36700 (16 600)	22700 (10 300) 22700 (10 300)	26400 (12 000) 29700 (13 500)		23100 (10 500) 26100 (11 800)

Equipped with 12 ft. 10 in. (3.9 m) standard arm and 2.38 cu. yd. (1.82 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)					9800 (4450) 11000 (4990)	9800 (4450) 11000 (4990)
20 ft. (6.10 m)					13100 (5940) 14300 (6490)	13100 (5940) 14900 (6760)
15 ft. (4.57 m)				15100 (6850) 17100 (7760)	15100 (6850) 17100 (7760)	13900 (6310) 14000 (6350) 15900 (7210)
10 ft. (3.05 m)	31300 (14 200) 34900 (15 800)	31300 (14 200) 34900 (15 800)	22000 (9980) 24700 (11 200)	22000 (9980) 24700 (11 200)	17800 (8070) 18300 (8300)	17800 (8070) 20100 (9120)
5 ft. (1.52 m)	30600 (13 900) 32400 (14 700)	30600 (13 900) 32400 (14 700)	24300 (11 000) 24300 (11 000)	26800 (12 200) 30000 (13 600)	17200 (7800) 17200 (7800)	20500 (9300) 23100 (10 500)
Ground Line	28000 (12 700) 29800 (13 500)	28000 (12 700) 29800 (13 500)	23100 (10 500) 23100 (10 500)	30100 (13 700) 33800 (15 300)	16400 (7440) 16400 (7440)	22800 (10 300) 25600 (11 600)
- 5 ft. (- 1.52 m)	17000 (7710) 18100 (8210)	17000 (7710) 18100 (8210)	35500 (16 100) 35500 (16 100)	38200 (17 300) 40500 (18 400)	22500 (10 200) 22500 (10 200)	31700 (14 400) 35500 (16 100)
- 10 ft. (- 3.05 m)	32200 (14 600) 34100 (15 500)	32200 (14 600) 34100 (15 500)	35700 (16 200) 35700 (16 200)	42800 (19 400) 47800 (21 700)	22300 (10 100) 22300 (10 100)	31600 (14 300) 35400 (16 100)
- 15 ft. (- 4.57 m)	49600 (22 500) 52500 (23 800)	49600 (22 500) 52500 (23 800)	36300 (16 500) 36300 (16 500)	39200 (17 800) 43900 (19 900)	22600 (10 300) 22600 (10 300)	29600 (13 400) 33200 (15 100)
- 20 ft. (- 6.10 m)		32700 (14 800) 36800 (16 700)	23300 (10 600) 23300 (10 600)	25000 (11 300) 28100 (12 700)	16700 (7580) 16700 (7580)	18200 (8260) 20700 (9390)

Equipped with 16 ft. 1 in. (4.9 m) long arm and 1.78 cu. yd. (1.36 m³) SAE heaped bucket

Load Point Height	10 ft. (3.05 m)	15 ft. (4.57 m)	20 ft. (6.10 m)	25 ft. (7.62 m)	30 ft. (9.14 m)	35 ft. (10.7 m)
25 ft. (7.62 m)						7870 (3570) 8870 (4020)
20 ft. (6.10 m)						11500 (5220) 11700 (5320) 11500 (5220)
15 ft. (4.57 m)					12700 (5760) 14400 (6530)	12700 (5760) 14400 (6530)
10 ft. (3.05 m)				16100 (7300) 18100 (8210)	16100 (7300) 18100 (8210)	14400 (6530) 14400 (6530)
5 ft. (1.52 m)		35100 (15 900) 39200 (17 800)	35100 (15 900) 39200 (17 800)	24300 (11 000) 25900 (11 700)	24300 (11 000) 27200 (12 300)	18400 (8350) 18400 (8350)
Ground Line		36100 (16 400) 37300 (16 900)	36100 (16 400) 37300 (16 900)	24200 (11 000) 24200 (11 000)	28600 (13 000) 32000 (14 500)	17400 (7890) 17400 (7890)
- 5 ft. (- 1.52 m)	16500 (7480) 17600 (7980)	16500 (7480) 17600 (7980)	36100 (16 400) 36100 (16 400)	37400 (17 000) 39600 (18 000)	23200 (10 500) 23200 (10 500)	31300 (14 200) 35000 (15 900)
- 10 ft. (- 3.05 m)	26200 (11 900) 27800 (12 600)	26200 (11 900) 27800 (12 600)	35900 (16 300) 35900 (16 300)	44800 (20 300) 49900 (22 600)	22800 (10 300) 22800 (10 300)	32300 (14 700) 36200 (16 400)
- 15 ft. (- 4.57 m)	38500 (17 500) 40700 (18 500)	38500 (17 500) 40700 (18 500)	36100 (16 400) 36100 (16 400)	42900 (19 500) 47800 (21 700)	22800 (10 300) 22800 (10 300)	31700 (14 400) 35400 (16 100)
- 20 ft. (- 6.10 m)	54600 (24 800) 58900 (26 700)	54600 (24 800) 58900 (26 700)	39600 (16 700) 36900 (16 700)	38400 (17 400) 43000 (19 500)	23200 (10 500) 23200 (10 500)	28900 (13 100) 32400 (14 700)
- 25 ft. (- 7.62 m)		30200 (13 700) 33900 (15 400)	30200 (13 700) 33900 (15 400)	22600 (10 300) 24200 (11 000)	22600 (10 300) 25000 (11 600)	

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. Turbocharged for maximum performance.

Engine: John Deere 6101A – Turbocharged and Aftercooled
 Rated power at 2000 rpm.....285 SAE net hp (213 kW)
296 SAE gross hp (221 kW)
 Cylinders6
 Displacement619 cu. in. (10.145 L)
 Maximum net torque at 1300 rpm955 lb.-ft. (1295 Nm)
 Fuel consumption, typical6 to 10 gal./hr. (23 to 38 L/h)
 Cooling fansuction type
 Electrical system24-volt with 45-amp alternator
 Batteries (two 12 volt).....reserve capacity: 180 min.

HYDRAULIC SYSTEM

Sophisticated, yet simple; state-of-the-art, yet easy to operate. You get the best of both worlds with the 992E LC's hydraulic system. This open center system uses two axial piston pumps. A microprocessor ties the system with the engine to allow the operator to tailor hydraulic performance to particular job situations. A soft touch keypad control to the operator's right allows the desired performance to be tuned in with the touch of a button or two. This variable-flow system delivers smooth response even when the operator uses more than one function at the same time. The operator is in complete control at all times and can override any of the preset modes or engine settings with the simple touch of a button.

Main pumps2 variable-displacement axial pistons
 Maximum rated flow2 x 95 gpm (2 x 360 L/min.)
 Pilot pumpone gear
 Maximum rated flow9.3 gpm (35 L/min.)
 Pressure setting655 psi (4510 kPa)
 System operating pressure
 Implement circuits4270 psi (29 440 kPa)
 Travel circuits5050 psi (34 820 kPa)
 Swing circuits3840 psi (26 480 kPa)
 Power boost4480 psi (30 890 kPa)
 Oil filtration
 One 10-micron full-flow return filter with bypass
 One pilot oil filter
 One suction filter

Cylinders	Bore	Rod Diameter	Stroke
Boom (2).....	6.69 in. (170 mm)	4.53 in. (115 mm)	62.6 in. (1590 mm)
Arm (1).....	7.48 in. (190 mm)	5.12 in. (130 mm)	76.4 in. (1940 mm)
Bucket (1).....	6.69 in. (170 mm)	4.53 in. (115 mm)	52.2 in. (1325 mm)

SWING MECHANISM

Multiple planetary gearing is driven by two axial-piston, high-torque hydraulic motors. Ring and pinion gears are induction hardened for long life. The multiple, wet-disk swing brake is spring applied, hydraulically released. The single 90-ball swing bearing is sealed top and bottom.

Swing speed.....0-9 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 three track guides.

Carrier rollers (per side)3
 Track rollers (per side)9
 Idlers (per side).....1
 Shoes, triple semigrouser (per side).....53
 Track guides3
 Track adjustment.....hydraulic
 Travel speedLow Medium High
 mph 0-1.6 0-2.1 0-3.4
 km/h (0-2.5) (0-3.4) (0-5.5)
 Drawbar pull.....79,590 lb. (354 kN)
 Tractive gradability140% (54 deg.)
 Off-level operating limit for oil sump.....100% (45 deg.)

Ground Pressure Data

Shoe Width/ Grouser	Average Ground Pressure	Recommended Application
30 in./triple (750 mm)	8.69 psi (59.9 kPa)	Rocky terrain and stumps
36 in./triple (900 mm)	7.26 psi (50.1 kPa)	General/soft terrain

CAPACITIES

Fuel tank156 gal. (590 L)
 Cooling system.....40 qt. (38 L)
 Engine lubrication with filter36 qt. (34 L)
 Hydraulic system137 gal. (520 L)
 Hydraulic tank62 gal. (235 L)
 Propel gearbox (each side)9 qt. (8.5 L)
 Swing gear reduction (each).....6 qt. (5.7 L)
 Pump drive gearbox.....2 qt. (1.9 L)

OPERATING WEIGHTS

Weights	lb.	kg
Operating weight with full fuel tank, 175-lb. (79 kg) operator, 36-in. (900 mm) triple grouser shoes, 12 ft. 10 in. (3.9 m) arm, 2.45 cu. yd. (1.87 m ³) bucket	97,600	44 270
Undercarriage:		
30-in. (750 mm) shoes	39,242	17 800
36-in. (900 mm) shoes	39,462	17 900
Component Weights:		
Upperstructure with full fuel tank (less front attachments and 18,100 lb. [8200 kg] counterweight)	20,062	9100
One-piece boom (with arm cylinder)	9,017	4090
Arm, 9 ft. 6 in. (2.9 m) with bucket cylinder and linkage	5,082	2305
Arm, 12 ft. 10 in. (3.9 m) with bucket cylinder and linkage	5,357	2430
Arm, 16 ft. 1 in. (4.9 m) with bucket cylinder and linkage	5,137	2330
Boom lift cylinders (2) total weight	1,856	842
2.45 cu. yd. (1.87 m ³), 54-in. (1370 mm) bucket	3,578	1623
Counterweight	18,100	8200