992D-LC

The 992D-LC answers the call to high production

Digging arm	Digging depth	Reach at ground level	Arm force
9 ft. 6 in. (2.90 m)	23 ft. 10 in. (7.27 m)	36 ft. 7 in. (11.14 m)	45,200 lb. (201 kN)
12 ft. 10 in. (3.9 m)	26 ft. 10 in. (8.19 m)	40 ft. (12.20 m)	35,300 lb. (157 kN)
16 ft. 1 in. (4.9 m)	29 ft. 10 in. (9.09 m)	43 ft. 1 in. (13.14 m)	30,900 lb. (137 kN)

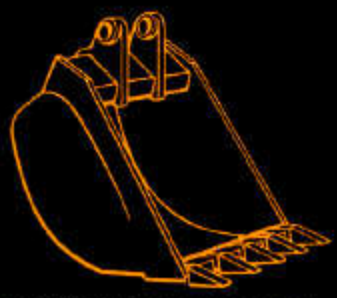
Ripper teeth on the back and the bottom of the bucket loosen frozen or hard ground or rock.

Thumb attachment holds bulky, oversized objects in the bucket.

Magnet handles ferrous scrap, separates it from non-ferrous materials.

Vibratory compactor mounts in place of bucket, operates hydraulically.

Heavy-duty grapple handles rock, scrap, demolition debris or places riprap.



High capacity buckets increase production in light materials such as coal.

Compaction wheel delivers low-cost compaction, yet lets you switch quickly to a bucket.

V-bottom buckets aggressively rip through frost and rock.

Attachments help your 992D-LC work harder

With today's skyrocketing costs, it's the successful contractor who finds ways to cut costs without cutting corners.

Thanks to the number of creative attachment manufacturers, excavator versatility is constantly being increased with the introduction of a growing list of attachments.

Some increase the machine's efficiency in performing intended job functions. Others allow the excavator to perform jobs that it couldn't do otherwise. In either case, attachments are helping contractors get more work from their excavators... improving profitability and efficiency.

To learn more about the attachments you see here and the many others, see your John Deere dealer. He has access to more than 100 manufacturers of this equipment.

Smooth-edge, wide, shallow buckets in many sizes speed ditch cleaning, light material handling.

Many buckets are available to handle special applications and soil conditions.

Jaw buckets work in clamshell, grading, trenching and grapple applications.

Grapples are available in different tine configurations for handling various materials.

Stump and brush grapple/rake speeds land clearing.

Trapezoidal buckets shape both sides and bottom of irrigation ditches in one pass.

Clamshell offers 360-degree rotation for precise load spotting. Excellent in runny materials.

Hydraulic breaker busts rock, concrete, other hard materials. Useful where blasting is prohibited.

Pleasant to operate, easy to care for

You'll like the 992D-LC operator's station from the minute you climb aboard. Attention to detail is evident everywhere you look. There's plenty of room for even the bulkiest of operators. Controls and gauges are well placed. Visibility is excellent.

On hot days you'll appreciate how the cab opens for excellent ventilation. The entire front window is removable and stores overhead. The right window slides open; the door can be locked in the open position. There's even a roof vent.

The two low-effort pilot controls are adjustable fore and aft to optimize operator comfort and enhance performance.

To reduce fatiguing noise and vibration, the cab and the engine are isolation mounted. And both the cab and the engine compartments are lined with sound-deadening material.

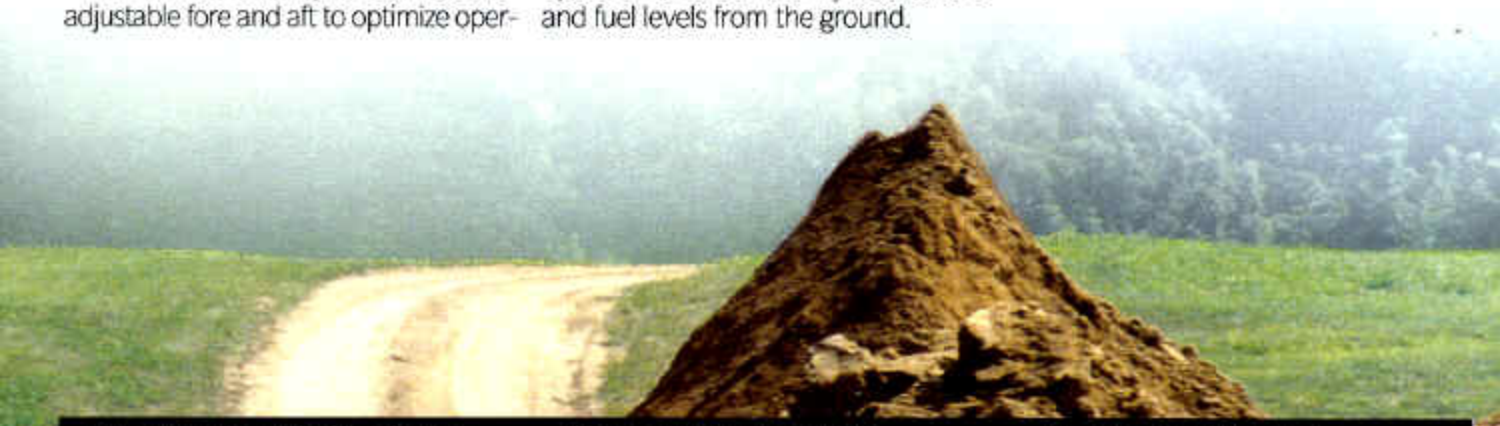
Ease of service was another design priority that drove the engineers as they designed the 992D-LC. Their success is obvious.

Huge side and top doors open to provide access to control valves, batteries, hydraulic pumps and engine.

Easy to see sight gauges allow the operator to check the hydraulic fluid and fuel levels from the ground.

Skid-resistant strips and convenient handholds make it easy and safe to reach service points on the top of the machine.

Pleasant to operate, easy to care for. Two reasons your 992D-LC will be a profitable, productive member of your equipment lineup.



The orthopedic seat is fully adjustable and provides excellent support for day-long comfort.

Gauges and controls are to the operator's right. Monitoring system provides visible and audible warnings.

Huge doors provide access to components for ease of servicing. All are locked with the ignition key.

Remote lube bank lets you easily grease difficult to reach pivot points.

Cab is roomy, visibility and ventilation are excellent. Controls are comfortably positioned.

An adjustable bucket bushing maintains proper fit between arm and bucket for better control, longer pin life.

The 992D-LC undercarriage starts with a massive, stress-relieved, welded "X" mainframe. Sloped top plates on both the mainframe and track frames promote self-cleaning. Make any remaining manual cleaning quick and easy.

Ten lower rollers and three upper rollers, all permanently lubricated, carry 53 track shoes mounted to sealed and lubricated chain.

The two-speed hydraulic propel motors have triple planetary reduction gearing and deliver 70,500 lb. (314 kN) of drawbar pull. Top travel speed is 3.1 mph (5 km/h).

Just above sits the swing bearing. With both upper and lower seals, it is protected from contaminants and has a lube interval of 500 hours. Competitive machines, with only a lower seal, must be lubed every 40 hours, and this costly and vital component suffers from constant exposure to life-robbing contaminants.

The mainframe for the upper structure has two massive I-beams that run the full length. Heavy-walled D-shaped tubing forms the substantial perimeter frame and also provides effective protection to the machine's sheet metal. A visual comparison of competitive excavators will quickly confirm that this design is far superior to their channel-iron designs.

John Deere's 992D-LC is built on a sound foundation to enable it to deliver dependable performance year after year.

Sheet metal is set inside the heavy perimeter frame to protect compartment access doors from damage.

Boom and arms have internal reinforcing plates and gussets with full-penetration welds for maximum strength.

This option makes the removal of the 992D-LC's 19,000 lb. counterweight a task of less than 30 minutes.

Built solid from the ground up

Track shoe width	Average ground pressure	Overall width, operating position	Overall width, transport position
30 in. (750 mm)	8.7 psi (60 kPa)	11 ft. 11 in. (3.64 m)	10 ft. 4 in. (3.14 m)
36 in. (900 mm)	7.3 psi (50.3 kPa)	12 ft. 5 in. (3.79 m)	10 ft. 10 in. (3.29 m)

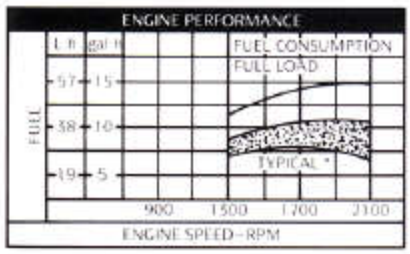
Two-speed axial piston propel motors are tucked inside the track width, out of harm's way.

Center struts give track links 40 percent more strength. Track chain is sealed for long life.

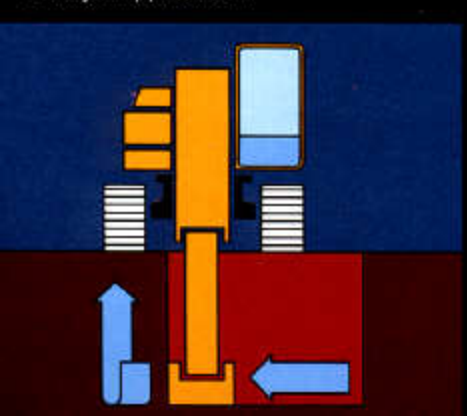
and valve seats are replaceable. A filter immediately upstream from each injector shatters contaminants before they can plug the nozzle. The bottom of each piston is constantly bathed in a cooling oil spray.

This proven, fuel-efficient power plant delivers the lugging power and quick response needed to deal with the quickly changing demands of excavator operation.

Teamed with the 992D-LC's superior hydraulic system this advanced diesel makes a combination that will deliver profitable production year after year.



Simultaneous use of more than one hydraulic function is useful in a variety of applications.



Hydraulic controls are pilot operated for low effort, precise metering and smooth operation.

A 265-hp John Deere diesel engine drives the open center hydraulic system's two variable-displacement pumps.

State-of-the art hydraulics make the 992D-LC the production efficiency leader

The 992D-LC's sophisticated, yet simple, hydraulic system allows it to be fast, powerful, precise, responsive and fuel efficient—all at the same time.

This highly advanced, open-center system uses an independent, cross-sensing regulator for each of its two pumps. Most competitive two-pump systems use a single regulator for each pump. John Deere's 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.

When loading, for example, the pumps automatically deliver high pressure to provide maximum breakout force. Then, when the bucket is filled, and you lift and swing the load, the pumps automatically adjust to higher flow for easier dump cycles.

You get the best of both...high digging forces and speed...automatically.

This system also allows the operator to combine hydraulic functions. In applications such as pipe setting, where you might want to combine a digging function with propel, or an excavating application where you might want to combine swing with boom up to straighten the side of an excavation, the 992D-LC gives you a decided advantage.

Two other standard hydraulic features that mean more production at no added cost...an auxiliary spool to make plumbing hydraulic attachments quick and easy. And a heavy lift circuit. Activated by a switch on top of the right control lever, it raises boom relief pressure resulting in a 12 percent increase in boom lift capacity.

A 619 cu. in. (10.15 L) John Deere diesel engine powers the 992D-LC. Turbocharged and aftercooled, it delivers 265 hp (198 kW) at 2100 rpm. This engine is packed with features that will assure a long, trouble-free life. Replaceable wet-sleeve cylinder liners, for example, promote even heat dissipation. Valve rotators ensure clean valve seating

Mode selector lets the operator adjust engine speed and pump flow to meet the demands of the job.

Engine speed automatically drops when control levers are in neutral. Saves fuel. Prolongs component life.

In its typical operating configuration the 992D-LC tips the scales at 97,530 pounds (44 240 kg). A rugged 265 hp (198 kW) John Deere diesel engine delivers power to two highly efficient variable flow hydraulic pumps.

The result is a well balanced, powerful excavator that produces smooth, fast digging cycles in a very fuel-conserving manner.

With a long list of standard features, including automatic idle, digging mode selection, two-speed travel and many more, the 992D-LC represents an excellent value for your excavator dollar.

Because every contractor's needs are different, there are many ways to tailor the 992D-LC to any situation. You can choose from three digging arms, two track shoe choices and bucket options to meet any need.

And every John Deere excavator sold in North America comes with the best after the sale backup in the industry.

There are more than 325 John Deere dealers providing service from more than 435 locations. These locations are manned by highly trained service technicians schooled at the dealership, at regional locations across the continent and at John Deere's 55,000 square foot (5100 m²) state-of-the-art training facility in Davenport, Iowa.

The parts departments at John Deere industrial equipment dealerships are very well stocked. In fact, most any you walk into should be able to give you the part you need. Off the shelf. On the spot. In the rare instance when a part isn't available, it can usually be dispatched from any one of 12 strategically located parts depots so you'll have it the very next day.

A great machine, backed by the best dealer parts and service support in the industry. That's why more and more contractors are depending on the John Deere 992D-LC when they need a hydraulic excavator in the 40 to 50 metric ton class.

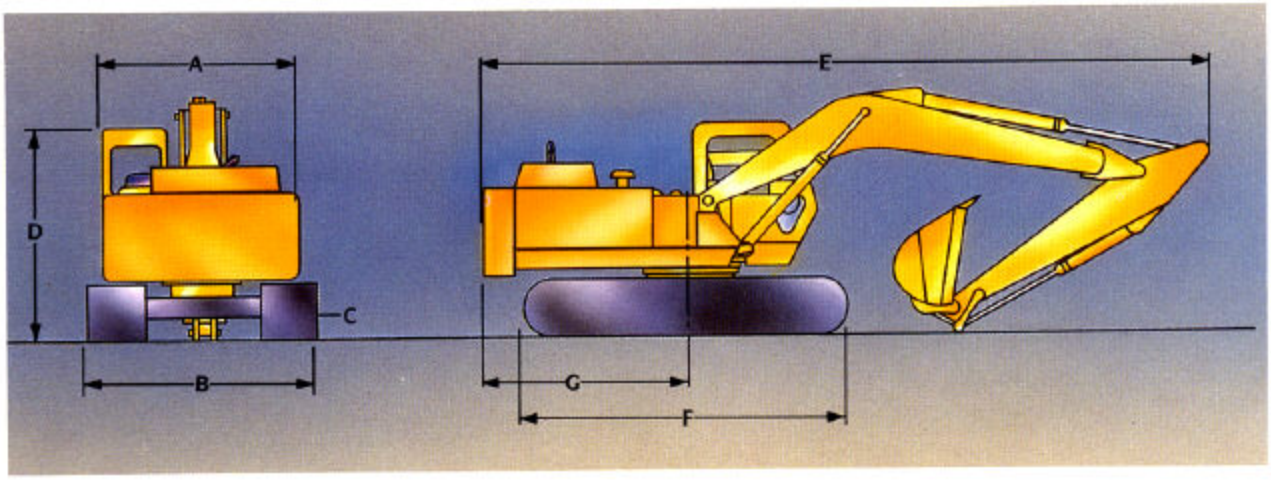
These 992D-LC figures speak for themselves

Engine	
Horsepower, net	265 (198 kW)
Displacement	619 cu. in. (10.145 L)
Turbocharged	yes

Performance w/12 ft. 10 in. arm	
Digging depth	26 ft. 10 in. (8.19 m)
Reach at ground level	40 ft. (12.20 m)
Bucket digging force	35,300 lb. (157 kN)

Hydraulic System	
Type	Open Center
System, pressure digging	4270 psi (29 420 kPa)
Flow	206 gpm (780 L/min)

Operating Information	
Gradability	100% (45 degrees)
Drawbar pull	70,550 lb. (314 kN)
Operating weight, as typically equipped	97,530 lb. (44 240 kg)



A. Overall upper structure width	9 ft. 11 in. (3.02 m)
B. Track width	
30 in. (750 mm) shoes, operating position	11 ft. 11 in. (3.64 m)
transport position	10 ft. 4 in. (3.14 m)
36 in. (900 mm) shoes, operating position	12 ft. 5 in. (3.79 m)
transport position	10 ft. 10 in. (3.29 m)
C. Ground clearance	2 ft. 5 in. (725 mm)

D. Shipping height w/12 ft. 10 in. arm	11 ft. 3 in. (3.44 mm)
E. Length	
w/9 ft. 6 in. (2.9 m) arm	38 ft. 11 in. (11.87 m)
w/12 ft. 10 in. (3.9 m) arm	38 ft. 7 in. (11.76 m)
w/16 ft. 1 in. (4.9 m) arm	38 ft. 7 in. (11.76 m)
F. Track length	17 ft. 11 in. (5.47 m)
G. Rear swing clearance	11 ft. 4 in. (3.45 m)

Specifications subject to change without notice.

JOHN DEERE

SAFETY live with it

DKA1932 Litho in U.S.A. (90-02)